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SAN FRANCISCO, CALIF., JANUARY 7, 1922

Published Every Saturday
Twenty-second Year No. 1

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday | SAN FRANCISCO, CALIF., JANUARY 7, 1922 | Twenty-second Year No. 1

Building & Engineering News

No. 560 Mission Street,
San Francisco, Calif.
MRS. L. A. LARSEN, Publisher
J. P. FARRELL, Managing Editor

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Official Paper of Vallejo Builders' Exchange

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

Early Improvement of Victory Highway Assured

Early improvement of the Victory Trans-Continental Highway, stretching from San Francisco to New York City, is held a practical certainty, according to President George S. Forderer of the California State Automobile Association. Both Utah and Nevada, it is believed, will declare the Victory Highway, a "primary road." Nevada has already taken the first step by adopting the Victory Highway from Wells, Nevada to Wendover, Utah, as a part of its State Highway System. If declared a "primary road" by these two states the Victory Highway will be entitled to 60% of the Federal Aid money available from the government. Nevada now has approximately $3,400,000 of available Federal money. This would provide about $2,040,000, which amount, with state aid, would be sufficient to construct an improved road across that state except for three short sections. A movement is now on foot to raise $150,000 to assist in improving these units.

The Victory Highway has been signed as far east as Kansas City by the California State Automobile Association. The road signing truck of the Association returned to San Francisco after traveling 8,500 miles. The truck left San Francisco on June 17th last, and since that date has erected 6000 road signs. Strip maps of the new trans-continental highway have been completed and will be ready for distribution for the opening of the 1922 touring season.

The absence of a well signed and improved trans-continental route leading into Northern California, according to President Forderer, has been a serious obstacle to the growth of this section of the state. Statistics assembled by the Utah State Automobile Association in 1920 showed that of 31,000 tourists reaching Salt Lake City, 25,000 went by two roads into Southern California, primarily because of better road conditions and the existence of road signs. These tourists, according to the Utah Association, designated a preference for Nothern California. The Automobile Association will complete the signing of this route to New York City in the Spring.

Portland Cement Ass'n Bases Membership on Quality of Product

At the final session of the annual meeting of the Portland Cement Association, held at the Biltmore Hotel, New York, the Association's Constitution and By-Laws were amended so as to make membership in the Association "Contingent upon member's product meeting the Standard Specifications for Portland Cement adopted by the United States Government and the American Society for Testing Materials."

Engineers, architects and contractors are familiar with the high standard of specifications governing cement manufacture and will herald this action as the greatest advance step ever taken by the industry.

Along with other scientific-educational-research activities, the Portland Cement Association is distinguished for its cooperative work with technical societies. This has been in the nature of contributing to the improvement of building materials, methods and standards in general, among these being building codes, but the Association has particularly been active in keeping standard requirements for Portland cement on a high plane and in insuring its proper use by the consuming public.

The Association is not concerned with the commercial relations of its members to their patrons and while not undertaking to guarantee directly the quality of cement produced by its members, has very adroitly accomplished the same thing by adding to its Constitution and By-Laws the amendment above mentioned.

This action of the Portland Cement Association perhaps typifies its service to the public in a way that will be more readily grasped by people at large than any other one item of practice or policy under which it operates. President L. T. Sunderland of Kansas City, Mo., was was re-elected at the annual meeting, in commenting upon this amendement, says, "This only serves as a further protection to the cement buying public. Portland cement always has been a highly standardized product but as varying degrees of skill have been displayed in so-called tests of cement made by people not thoroughly grounded in testing practice through lack of long and competent laboratory training, misleading results have often been announced. The public can now feel assured that if the cement is produced by a member of the Portland Cement Association, that fact is an added endorsement of quality and actual assurance that it will measure up to the accepted engineering standards, since otherwise membership in the Association would be thereby jeopardized."

Re-elected with President Sunderland were Richard Hardy, first vice-president, Chattanooga, Tenn.; S. B. Newberry, second vice-president, 818 Engineers' Building, Cleveland, Ohio; and F. W. Kelley, treasurer, 126 State street, Albany, New York.

The following directors were also elected:

H. Struckmann, 342 Madison Ave., New York; Charles F. Conn, 603 Pennsylvania Building, Philadelphia, Pa.; H. L. Block, Post Dispatch Bldg., St. Louis, Mo.; W. M. Hatch, Union City, Mich.; George T. Cameron, Crocker Bldg., San Francisco, Calif., and David M. Kirk, Wampum, Pa.

Building Boom is Sighted in Oakland

A building boom for Oakland which has never before been excelled in the history of the city, is predicted in the reports of James K. Nelson, retiring president of the Builders' Exchange of Alameda County, and William E. Hague, secretary-manager. The report of Nelson was renedered at the annual meeting of the exchange.

The report is based on actual figures, according to Hague, and shows that buildings are now being planned in architect's offices in Oakland that will cost around $8,000,000. Of these buildings nothing has been said to date, so that the announcement from Hague comes as a general surprise.

Plans for buildings which have already been announced, in addition to several for which plans have not been made public, which are to go up on Broadway alone, actual building to start soon after January 1, will add another $8,000,000 to the total building expenditures for Oakland during the coming year.

Oakland Leads S. F. in Permits

Another sign of promised tremendous increase in the building industry for Oakland, as pointed out by Hague, are the monthly building permits for the bay district. The building permits of Oakland have exceeded the building permits of San Francisco by many thousands for the past five months. The figures are not only as a whole, but from month to month, showing a steady increase of the east side of the bay.

The peak of the building boom for the year 1922, is expected about July. Activities which will gradually consume the greater portion of unemployed labor will begin soon after the first of the year, the figures show, and will gradually begin to set its record breaking pace about May 1.

The prediction is not a guess; it is not speculation, according to Hague. To justify his assertion he points to the actual figures. Architects assert that they were never more occupied than at the present time. Some have more than they can do, all of which corroborates the predictions of both Nelson and Hague.

GOETHALS, CANAL BUILDER, WILL REPORT ON WASHINGTON IRRIGATION

General George Goethals, builder of the Panama Canal, will come to Washington the latter part of this month or early in February to investigate and report on the feasibility of the proposed $320,000,000 Columbia Basin irrigation development project, according to a Spokane delegation of Chamber of Commerce officials and business men touring the Northwest in the interest of the Columbia Basin project.

The fee, according to the information, which Goethals asks is $25,000. Of this amount the State Reclamation Bureau is ready to pay $15,000. The remaining $10,000 must be raised in Seattle, Tacoma, Spokane and Portland, if the services of Goethals are to be obtained.

There are 173 public and 59 private schools in Hawaii.

The Observer

Two ways at least to increase the efficiency of construction workmen has been brought out by the Lockwood Committee now investigating inefficiency of building trade labor in New York. In the course of the erection of an apartment house in the Bronx a crew of twenty-two men had plastered 32 rooms in three and a half days. The contractor thereupon made a bet of $100 with the foreman against the completion of the plastering job in a given time. And they plastered 48 rooms in two and a half days!

A petition for the voluntary dissolution of the Oakland Magnesite Company has been filed in the Superior Court on behalf of the directors of the company. The concern has operated extensive mines in the Porterville region. Directors include C. P. Murdock, G. C. Barnhart, J. D. Garretson, Martin Allen, J. W. Garthwaite and S. D. Allen.

The George H. Borrmann Steel Co., with offices in the Monadnock Bldg., San Francisco, has leased from the Western Pacific Railway a building containing 15,000 square feet, and a spur track, in Adeline street near the waterfront, Oakland.

Since July 1, 1921, the Fresno council has awarded 21 contracts for street improvements representing an expenditure of $636,230.

About 14,000 miles of good roads have been constructed in the United States during the past year by the various states, in conjunction with federal aid, according to a statement put out by the Bureau of Public Roads of the United States Department of Agriculture.

Rufus B. Carlton has been appointed city clerk of Sacramento to fill the vacancy caused through the death of M. J. Desmond.

Chimneys and Fireplaces, How to Build Them, is described by A. M. Daniels of the Bureau of Public Roads, in Farmers' Bulletin No. 1230, recently issued by the U. S. Department of Agriculture. Copies will be sent on request.

Public improvements undertaken by the Tehama County Supervisors during the year 1921 total $1,582,524. The biggest portion of the expenditure is $950,000 for highway construction. A new courthouse costing approximately $286,000 and $32[illegible],524 for bridge construction make up other items on the year's program.

The records of the Bridge Builders' and Structural Society, from reports collected by its secretary, show that during the month of November, 1921, 99,[illegible]00 tons of fabricated structural steel was contracted for throughout the United States, equivalent to 55½ per cent of the entire capacity of the bridge and structural shops of the country.

Failure of the City of Cleveland to have its new $6,000,000 auditorium ready in time has caused the postponement of the American Building Exposition, from January 4th to February 22nd. It will cover a period of 11 days.

J. W. Coots, a member of the plumbing firm of McNamara & Coots, Martinez, died at his home in Oakland, January 2nd.

A sure sign that we shall have an excellent year. The San Mateo county supervisors sought bids for the purchase of $360,000 worth of bonds of the San Mateo Union High School District. They received a premium of $32,090 on the issue. For the $200,000 issue of the San Mateo Grammar School District a premium of $19,145 was received. The sale of the bonds, in each instance, will finance construction of new schools.

B. C. Torpen, an engineer of Aberdeen, Wash., in discussing the power development possibilities of the Wishkah river before the Hoquiam, Washington Commercial Club, recently stated that horsepower ranging from 35,000 to a maximum of 58,000 could be developed for Grays Harbor, by the expenditure of something like $3,000,000.

James E. Blackwell, city superintendent of buildings, Seattle, Wash., has requested that the city council create the position of building construction engineer. The position of City Architect becomes vacant January 1, 1922, the council having failed to make an appropriation for the purpose. Superintendent Blackwell states that this will make necessary an officer to take over such of the architect's duties as are not essentially those of an architect, such as the superintendence of construction, alterations and repair of buildings and making of estimates in connection with such work.

The Northwestern Pacific Railroad is planning extensive improvement to its holdings at Santa Rosa. Approximately $70,000 will be expended in the work.

Groveland, Tuolumne County, is to have another sawmill, larger than any operating in the section at the present time. An eastern firm with large timber holdings around Carl Inn, on the south fork of the Tuolumne, and Stone Meadows, on the middle fork, has had surveying parties at work for a mill, railroad and roads and outlining a scheme of logging. This firm is said to have 50 years' cut of timber, reaching almost to the famous Tuolumne grove of Big Trees, near Crane Flat.

R. C. Starr of Fresno, builder of the Kerchoff dam and power plant for the San Joaquin Light and Power Company, was selected from forty-five candidates as engineer for the Merced Irrigation District, which plans the construction of an enormous dam and power plant on the Merced river at Exchequer. In addition to the Kerchoff dam, Engineer Starr designed the Huntington Lake dam for the Southern California Edison Company, the canal system of the Seattle Power Company and a number of other important power and railroad constructions. He is at present one of the engineers of the San Joaquin Light and Power Company.

ALONG THE LINE

J. F. Galvin, secretary of the California Highway Commission has resigned to become a member of the State Civil Service Commission.

Miller Engineering Company, Burke Building, Seattle, is constructing a 500-horsepower hydroelectric power plant for the city of Bandon, Oregon, representing an expenditure of $80,000.

H. S. Eaton, former assistant to Butte County Road Engineer, H. H. Hume, died in San Francisco, following injuries sustained in a fall from a bridge.

R. C. Storrie & Company, San Francisco, who are to construct the 11,000 foot Skagit power plant tunnel for the City of Seattle, have opened offices in the Lyon Building, Seattle.

G. H. Nickerson has been appointed chief engineer of the Yosemite Valley railroad. Nickerson occupied the position some years ago but resigned to take up irrigation engineering, road and bridge construction.

The Sacramento County Supervisors are contemplating the appointment of a highway maintenance engineer. The county board seeks to create the position without causing a conflict with the County Surveyor's office.

Madera has appointed a City Planning Commission composed of E. E. Garlichs, J. M. Griffin, D. R. Hanhart, W. S. Orvis, G. N. Mickel; F. A. Nikirk, city engineer, and Sherwood Green, city attorney.

Ross L. Calfee, former assistant city engineer of Richmond has been named engineer for the San Pablo Sanitary District, recently organized to build a sewer in the section between Wildcat creek and the north city limits of Richmond.

W. H. Phelps, assistant division engineer of the Southern Pacific Railroad, has been elected by the American Association of Engineers to head the delegates to the San Francisco Engineering Council. The other delegates are Captain A. J. Capron and D. L. Reynolds.

J. C. McPherson, superintendent of the Southern Pacific electric lines in Oakland, Alameda and Berkeley from 1913 to 1918 and captain of engineers overseas during the war, has returned to his former position after several years with the Pacific Electric at Los Angeles.

George W. Borden has been appointed Chief Engineer for the Nevada Highway Commission to fill the vacancy caused through the resignation of C. C. Cottrell, now with the California Automobile Association. Borden has been a member of the engineering force of the Nevada highway department about two years.

Road Maker's Art Evolved by the Ancients Reaches its Highest Development in America

By H. L. BOWLY, U. S. Bureau of Public Roads;
President of American Road Builders' Association

From the beginning to the present time it has been the highway that has made nations great. The road is the pioneer. Civilization follows the flag but the road opens up the way through the wilderness, over the mountains and across the valleys for the bearers of the flag and the steady advance of civilized influences. With the building of roads, savagery has retreated and disappeared, forests have fallen before the axe, new fields have been cultivated, towns have sprung up and cities grown to be linked in commerce with distant markets by ribbons of steel upon which speed the railroad trains—those advanced carriers of trade for which the modern highway is the feeder. Savage man built no roads, nor had he any conscious need of them for his wants were few and individual in character.

From those prehistoric days when man and mammal trod the paths to the ancient watering places near the sites of which in some localities we find their petrified bones still imbedded, man has gradually risen in the civilized scale. His wants have increased proportionally and have passed from the individual to the collective. The path no longer served his requirements. Roads became a necessity. Wheeled traffic developed with the Roman Empire, but when and where the first real roads were built has never been definitely ascertained. That it was long before the beginning of authenic history is certain.

While we know little about the roads that existed prior to the Roman Empire we do know from records remaining that not only the Romans but the Egyptians, the Carthagenians, the Sumarians and other ancient peoples employed much the same materials that we are today using in highway construction. There is evidence that both the Romans and the Egyptians used a mineral cement. The Bible tells of the manufacture and use of bricks. As early as 44 A. D. the Romans used bricks in England. Actual scientific and quantity production did not begin, however, until 886, when Alfred The Great directed that bricks be produced under government supervision. The earliest recorded use of asphalt was by the Sumarians, a people inhabiting the Euphrates Valley prior to the ascendancy of the Babylonians. An asphalt cast excavated at Logash near the mouth of the Euphrates dates back to 2850 B. C. As a mortar for brick, similar to the filler now used in brick city streets, asphalt was used in the construction of the Tower of Babel. One historian claims this same substance was used about 1500 B. C. to daube the basket which served to conceal Moses in the bullrushes when the children of Israel were suffering under bondage in Egypt.

It was Nabopolassar, King of Babylon, who, about 500 B. C., first used asphalt as a filler for brick pavements. His son, Nebuchadnezzar continued the practice. In the Western Hemisphere asphalt was used in ancient times by the Incas who established an elaborate system of highways in Peru and Ecuador. Thus we see that cement, brick and asphalt instead of being products of exclusively modern use really are world-old materials, the use of which has been handed down to us through the centuries to be improved upon and adapted to civilization's growing needs. The same is true of stone, except that in modern usage stone is crushed for use in road building, whereas in the days of Rome's greatness, stone was used in the form of large slabs frequently two feet thick. Roads of this type carried Caesar's armies forward to conquest.

THE OLD ROAD

The old road draws with dip and pause,
Through loneliest vale and down
From that highway whose broad display
Leads folk from town to town.

Herodotus tells us that in Egypt a great king built a magnificent road across the sands for the transportation of materials for the Pyramids, employing for this purpose 100,000 men for a period of ten years. This road was built of massive stone blocks and was lined on both sides with mausoleums, statues and temples. Traces of what may have been a part of this ancient highway are today found near the great Pyramids and comprise what is probably the oldest remains of a road surfaced with stone. Early historians write of wonderful roads radiating from the city of Babylon about 2000 B. C. and running to Susa, Ecbatana, Sardis and Nineveh, as having been paved with brick. The ancient Persians, Assyrians, Carthagenians, Chinese and Peruvians were all renowned road-builders. Their works, however, have passed away and the records of their great achievements are now list to mankind.

Specimens of Roman roads are still to be seen in Rome and in Pompeii. The "Appian Way" or "Queen of Roads," begun by Claudius Appius about 312 B. C., led from Rome to Capua, a distance of 142 Italian miles. This road was later extended to Brundisium, sometimes called Brindisi, a total distance of 360 miles and was finally completed by Julius Caesar. It was in excellent condition until 500 A. D. The "Flaminian Way," the second of the great Roman roads, was begun about 220 B. C. This road crossed the River Nar about 60 miles from Rome by means of a great stone-arch bridge, with a central span of 150 feet and a rise of 100 feet. The "Flaminian Way" originated at the Milvian Bridge in Rome and terminated at the bridge in Rimini. Other famous Roman highways were the Aurelia, Aemilia, Cassia, Latina, Solario and Valeria. When Rome was at the height of her glory no less than 29 great roads radiated from her gates and the empire was well served with highways that have endured to this day in Italy, Spain, England, Gaul, Illyricum, Macedonia, Thrace and Egypt.

From the days of the ancients, road-building has developed until it is today a principal industry in every civilized country of the world—the United States, England, France and Germany leading all other nations in its application. Its development has brought about many innovations and while the basic materials employed by the ancients are still in use, many new materials have been evolved and applied with success. The United States, which stands at the dawn of the greatest road-building era in all history because of the development of the motor vehicle, leads all nations in road-building. Those living today will see the time when the United States will have the finest and most extensive system of arterial and tributary highways the world has ever known, a system of beautifully paved roads, properly located, splendidly shaded with trees, adorned with hedges and shrubbery, edged with side walks and gutters, lighted by electricity, kept in repair by working patrols and protected against highwaymen by mounted police. Grade crossings will have disappeared and our rural highways will equal in beauty and practicability the most beautiful and practical of our city streets. Rural life, therefore, because of these and other modern improvements, will approach more closely the ideal of human existence and young men from the city will seek life in the country

Highway work is constantly developing new types of road-ways. Its development in America has brought many peculiar types of pavement ranging from the old earth roads and military plank roads down to portland cement concrete and those refined petroleum asphalt pavements now largely manufactured since the discovery of asphaltic petroleum in California and Mexico. Native lake asphalt is still in use but the bulk of the asphalt used in paving is now manufactured from petroleum oil. Many odd types of roads have been tried only to fail because of cost, climatic or traffic conditions. There have been in the United States probably more experiments with odd and unusual materials in road-building than in any other country in the world.

It was at Newton, Massachusetts, in 1908 that the molasses refuse of a sugar refinery combined with lime was first used as a binder for road materials but it was found impracticable because of its increasingly high cost and the fact that the binder was somewhat soluble in water. The road, however, did sustain traffic for a number of

SHANGHAI HARBOR TO BE IMPROVED

Leading engineers of six countries are in Shanghai serving on an international consultative board which is reviewing the work of a decade, consisting of preliminary surveys undertaken in connection with a great project to improve Shanghai's harbor. As Shanghai is about thirty miles from the sea, on the Whangpoo river, the preliminary work, which was carried out by the Whangpoo Conservancy Board, consisted of extensive surveys of the entire estuary of the Yangtsze river, into which the Whangpoo empties.

The members of the international board are: Major General W. M. Black, formerly chief of the United States army engineers, representing the United States; P. G. Hornell, consulting engineer of the hydraulic engineering bureau of Stockholm, who represents the Chinese chamber of commerce on the board; P. Ott de Vries, formerly head of the department of public works of the Netherlands, representing Holland; L. Perrier, for twenty years engineer of the Suez canal, representing France; Isamu Hirol, representing Japan, and F. Palmer, consulting engineer of the Port of London Authority, representing Great Britain.

years. Plank roads were legion in the United States during the pioneer days and are much used today by Military engineers. Road binders have been made from sulphite liquors obtained from tanneries and attempts have been made to burn roads that were surfaced with clay so as to make a surfacing material approaching brick in hardness. A recent attempt to harden clay roads by burning was made near Clarksdale, Mississippi, in 1901, when experiment conducted by the United States Bureau of Public Roads proved to be successful but too costly and practicable only in regions where an ample supply of timber could be secured for fuel. Roads have been constructed of chats from zinc mines, slag from blast furnaces and shells from the sea. Oyster and clam shell roads are now to be found in many places in the coast states. Rubber has also been utilized as a road material in experimental highway construction. In fact successful rubber roads have been in very limited use in India for some time. The ordinary broken stone or macadam road invented by John Macadam, a Scotch road engineer of Ayrshire, has until recently been in general use. These are now giving way to the hard surfaced roads that are better adapted to automobile and truck traffic. Seaweed, cotton, hay and straw have often been used in the construction of roads and in contrast to such materials it is interesting to note that iron and steel have been used. A steel road has been in use in Calencia, Spain, for twenty years. Portland cement roads in America are now commonly being reinforced with steel.

While highway improvement has made tremendous strides in the United States in recent years it is still in its infancy. Eighty-five per cent of American roads are yet to be improved. It is not now so much a question of raising the money required to build good roads as it is the problem of spending wisely the large sums available in every state for this purpose.

Many questions pertaining to highway finance and administration as well as road construction and highway transportation will be discussed in the light of more recent developments at a big nation-wide good roads congress and exposition of road-building machinery, materials, methods and appliances to be held in Chicago, January 16th to 20th, 1922, under the auspices of the American Road Builders' Association. About 20,000 delegates from all parts of the United States and Canada, Cuba, Porto Rico, Hawaii and other places are expected to attend this Road Convention. One result that is hoped for from this meeting and the consequent impetus to the good roads movement is that of enlisting more young men in the field of highway engineering. The number of road engineers is entirely too small for the existing demand.

Good transportation facilities constitute one of the greatest of the sources of national wealth. We really do not need to search the pages of history to realize the vital part that highways have played in world development. In our day, I believe, the highway will become the great rival of the railroad. The passenger automobile and motor truck industries, two of the greatest now in point of capital invested and output, are absolutely dependent for their stability and growth upon good roads. In establishing our highway systems and in building our roads the motor traffic of the future must be gauged and ample provision made for a rapid increase in the volume and weight of highway traffic. Our highways must be planned to meet future rather than present needs, and built not for a day—but for all time. They have become a means to an end. And that end is the co-ordination of all the great sources of power in the nation for the use, comfort and convenience of all of the people.

California Leads Other States in Probable Construction---is Forecast

The greatest building activity in this country next year will be in the industrial states, according to a forecast of the building outlook made by the Committee on Statistics and Standards of the Chamber of Commerce of the United States.

It is pointed out by the Committee that there will be a good many business buildings next year, and a large number of them will be in the shape of alterations and enlargements. On the other hand, it says, it is unfortunate that not a great many farm buildings, such as dwelling houses, barns, cribs and the like are contemplated.

According to the Committee, California leads the other states with respect to probable construction, while good likelihoods of construction lie in the Central West and in the East.

HAMMOND LUMBER COMPANY DENIES $15,000,000 DEAL

All property of the Hammond Lumber Company has been sold to the Long-Bell Lumber Company of Kansas City for $15,000,000, according to a report from Portland, Ore. The sale is said to include the Hammond mills at Astoria and Detroit, Ore., the famous redwood mill at Eureka, Cal., extensive timber holdings in California and Oregon, and the Hammond fleet of lumber ships.

It is understood that the purpose of the Long Bell company in seeking to purchase the Hammond interests has been mainly to gain control of the big line of wholesale and retail yards controlled by Hammond in California. These would be of great importance to the Long Bell company, which will soon be one of the largest, if not the largest, operators on the Pacific Coast.

It is taken as a confirmation of the prediction that Southern pine will be closed out in a decade and that operators in southern pine will, one by one, bring their organizations and investments to the West.

The San Francisco offices of A. B. Hammond denies Portland reports that Hammond had sold his Pacific Coast lumber interests to the Long Bell Lumber Company of Kansas City for $15,000,000.

"I can say authoritatively that we have had no dealings with the Long Bell people," Vice-President Bennett of the Hammond company said.

"There, also, are a great many possibilities for building in the Southern States," it says. "These possibilities are greater than seemed likely under the stringent conditions which prevailed there prior to the rise in the price of cotton.

"The prospects for building in the strictly agricultural states are not so favorable. There are several reasons for this, principally the exceedingly low and unremunerative prices on farm products, which seriously reduce the purchasing power of the farmer. In addition, the banks generally throughout the agricultural sections are fully loaned up, so that the farmer finds it difficult to obtain either ready money or credit. In such circumstances there is not likely to be much building in these states, especially on farms, for the simple reason that the farmer is financially unable to build.

"Three factors enter largely into the problem of building during the coming months: The high price of material; high price of labor and the question of obtaining funds for construction. Prices of material, on the whole, are much the more favorable of the three factors. It is only here and there that there is any apparent difficulty in this respect. The matter of too high priced labor does not stack up so well as that of material, but there is a general belief that not only are matters improving in this direction but when springtime comes, the long period of probable idleness of labor will naturally tend to bring about a much more favorable solution of this problem than is now presented.

"There are the usual scattered exceptions to any general statement. Labor is plentiful in some sections, scarce in others. The matter of obtaining money for construction is the most difficult problem of all. It is not that money seems to be so high in price that it is hard to get, particularly in the agricultural sections and on the countryside rather than in the large cities.

"Apparently when construction gets well under way, it will comprehend a great many dwelling houses in its purpose and intent; this because of the supreme necessity of more adequate housing almost everywhere.

"There also will be a very large number of educational buildings, such as schools, and additions to colleges and universities. The numerous 'drives' for funds set on foot by all sorts of educational institutions will bear fruit in many new buildings next spring. In particular, the great state universities of the West and the South have more liberal appropriations from their various legislatures for building purposes than for many years. There are likewise a number of public buildings under way.

"Few things tend to hasten the return of better times more than the building industry. Things used in the building of dwelling houses call upon virtually all the industries of the country ,for their products. A general and far-reaching construction program in this country in 1922 is the best possible harbinger of a return to more prosperous conditions."

SAN FRANCISCO BUILDING FOR YEAR TOTALS $22,244,672

Building construction undertaken in San Francisco for the year 1921 totaled $22,244,672, according to the Bureau of Building Inspection of the Board of Public Works. During the past year 6313 permits were issued; 1830 for new buildings and 4483 for alterations, additions and repairs to standing structures.

The total for 1921 is $4,485,320 less than that of 1920 and $7,081,430 greater than that of 1919. Following is a segregated list of the activities of the past year, as reported by the Board of Public Works:

Class	Number	Cost
"A"	25	$ 2,916,000
"B"	12	1,597,500
"C"	170	3,109,313
Frames	1610	8,984,944
Alterations	4483	3,638,783
Public	12	1,624,351
Harbor	1	73,788
Total	6313	$22,244,672

A ton of coal produces 10,000 feet of gas.

IMPORTANT CHANGES IN 1911 IMPROVEMENT ACT

The large number of proceedings started under the Improvement Act of 1911 is one of the striking features of street improvement work in California municipalities. Many amendments to this act were passed at the last session of the California legislature and are now in effect. These have removed many objections to the law and particularly have made improvement work done under it more attractive to contractors. Some of the important new provisions are as follows:

Failure to post a few of the notices required to be put up in an assessment district cannot affect the validity of a street work proceeding. Failure to post notices on even part of a street in a district was fatal under the old law, and such failure occured more than once, despite the exercise of great care.

A contract shall not be invalidated because an extension of time was not granted prior to the expiration of the time within which the work was to have been completed, provided the contractor made his application before the original time expired.

Liens shall take priority in the order in which they are imposed. The old law contained nothing relative to liens and the supreme court held that the last lien should have priority.

A reassessment may be made in case the original for any reason should be void or unenforceable. Trivial technical errors, such as transposition of type lines in printing a resolution of intention, may invalidate an assessment. Substantial compliance with the law assures the contractor he will be paid for his work.

When a contractor signs a contract for street improvements with the street superintendent he shall not be obliged to advance any more of the incidental expenses than have been incurred up to that time. This provision merely clears up ambiguity in the old law.

Assessment district may be described by council by showing a plat of same, by giving numbers of lots or blocks to be assessed or any other method which may be clear; this is supplemetal to the provision of the old law requiring boundaries of district to be minutely described.

Altogether the changes made in the Improvement Act of 1911 make it a most satisfactory measure for street improvement work. Some of them have been sought by city officials with the object of reducing the hazards to the contractor and thereby lowering the cost of street work. Those changes placing street contracts on a safe basis where there has been substantial compliance with the law are particularly pleasing to contractors. Nothing is more aggrevating or discouraging than to have a contract upset by some trivial technical error in the proceedings. It means irritating delay and trouble if not actual financial loss. However, the property owner is equal gainer with the contractor if his street work costs less. It is not altogether a one-sided proposition.—Southwest Builder and Contractor.

Young man seeks financial interest in reliable firm, manufacturing, staple line, building material or contracting, capable superintendent or assistant—best of references.

Address Box EG—c/o Building and Engineering News.

Wider Roads, Stronger Bridges to be Discussed at National Good Roads Show

The growing demand for wider and safer roads and stronger bridges has awakened the officers and directors of the American Road Builders' Association to the need for action and the program committee has provided for an exhaustive discussion of the subject at the Twelfth American Good Roads Congress and Thirteenth National Good Roads Show to be held in Chicago, January 16th the 20th, next.

Eliminate Grade Crossings

The elimination of grade crossings will be one of the phases considered. Out of 12,000 persons killed on the highways of the country last year, 7,000 were struck down at grade crossings. Investigation has shown also that one motorist in every three is careless at grade crossings, approaching the railroad tracks at reckless speed and without taking due notice of approaching trains.

PITTSBURG ROAD TESTS

(Engineering News-Record)
New York

Interest in the tests to destruction of the reinforced-concrete road, in the form of an elliptical track, construction of which was completed recently at Pittsburg, Cal., has centered, up to the present, upon the methods employed in building the roadway and the unusually elaborate equipment installed to determine the effects of motor truck traffic, temperature and moisture. A new phase of this research work has been reached **** of certain preliminary observations made since traffic started its procession around the track on Nov. 9. In other words the work has passed through the planning and construction stages into that of operation. It is still too early, of course, for the real story of what the results show. Nevertheless the indications thus far made are well worth studying, for a number of significant facts were disclosed by the measuring and recording apparatus before traffic began. The California engineers have already learned some interesting things regarding the influence of temperature changes and Pittsburg has become the objective of scores of highway engineers interested in research work. In no sense are the results which will be based on the data now being collected to be considered as merely of local significance. Lessons from the Pittsburg tests will surely have a decided bearing on the future design of concrete roads, particularly with regard to reinforcement and subgrade problems.

The Pennsylvania and Southern Pacific railroads, especially, have been heavy sufferers from grade crossing accidents. On the Southern Pacific lines alone during the past three years 1909 motor cars and trucks were wrecked at grade crossings. In 190 cases, or more than 20 per cent. the motorist deliberately ran into the trains. In 122 instances autos plunged through the crossing gates. Nine crossing flagmen were struck down.

In 970 cases in which motorists ran in front of the trains 136 persons were killed and 405 injured. In 490 cases motor cars stalled on the crossing and were demolished. Forty-three cars actually collided with the danger signals.

Accidents Occur on Long Stretches of Road

An investigation conducted recently by the Maryland State Roads Commission demonstrated that most highway accidents occur on long stretches of road instead of at the curves and are due to speeding or reckless driving, rather than skidding.

A total of $4,500,000 was paid out in death claims by American insurance companies for the 12,000 persons killed on the highways last year. In addition to the fatalities there were 1,500,000 non-fatal injuries.

Automobile fatalities in 1918 were 9,542. In 1919 the number increased to 9,826. Considering the 12,000 accidents last year and basing their calculations on the experiences of St. Louis, Cleveland, New York, Chicago, and other cities for the first six months of 1921, experts estimate that this year's fatalities on the highways will reach 15,000. A total of 690 persons were killed on New York State roads and city streets during the first six months of this year. Of this number, 403 met their death in New York City.

Exhibit Record Broken

At a recent drawing of space for the good roads show in Chicago, ninety-five per cent of the 40,000 square feet of space was taken, breaking all records and necessitating the use of additional buildings to house the exhibits. Approximately $1,500,000 worth of labor-saving road machinery and appliances will be exhibited.

At the good roads congress to be held during the exposition, many subjects of importance to highway users will be discussed, including the strengthening of bridges to carry the ever increasing truck loads and a more equitable distribution of taxation for the construction and maintenance of highways. Last year, Federal, State and Municipal taxes on motor vehicles reached the staggering sum of $316,720,000—equivalent to $34 per car. Governors of states, county commissioner and mayors of cities throughout the country are being asked to appoint delegates to the congress.

JAMES C. HAYBURN GETS NEW BONDING COMPANY

Contractors and others will be interested to learn that the well known insurance man, James C. Hayburn, has added the Union Indemnity Company of New Orleans to his agency.

This company furnishes all classes of proposal, contract, court and fidelity bonds as well as automobile, workmen's compensation, payroll hold-up and other casualty lines.

The Union is a stock Company with assets of $4,000,000 and a surplus to policy holders of $1,500,000. Its bonds are accepted by the Federal Government and all Courts. The Company's address is Insurance Exchange Building and its Phone, Kearny 799.

NEWMAN PAVING PROJECT UP FOR BIDS

Bids the second unit of the Newman paving program have been called by the city trustees. The bids will be opened January 24. Approximately ten blocks of streets are included in the project which will cost in the neighborhood of $150,000. Work will be under the supervision of W. R. Sherman, town engineer.

Building News Section

APARTMENT HOUSES

Contract Awarded.
APT. HOUSES, ETC. Cost, $20,000
BURLINGAME, San Mateo Co. Burlingame Ave.
Two-story and basement frame and plaster apartment house (six 3-room apts) and separate garage.
Owner—Harry L. Miller.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Contractor—Larsen-Siegrist Co., Inc., Claus Spreckels Bldg., S. F.

Contract Awarded.
APARTMENTS Cost, $35,000
SAN FRANCISCO. S Clay 157-6 E Hyde.
Three-story and basement frame (12) apartments.
Owner—Geo. W. Burnett, Larkin and O'Farrell.
Architect—Chas. Skidmore, New Call Bldg., San Francisco.
Contractor—Harry C. Warwick, 3191 Washington St.

Plans Being Prepared.
REMODLING Cost, $——
SAN MATEO, San Mateo Co., Cal. B Street.
Remodel two-story brick store and office bldg. into apartments.
Owner—Wisnom Co., San Mateo, Cal.
Architect—Wm. H. Toepke, 942 Market St., San Francisco.

Plans Complete.
ALTERATIONS Cost, $15,000
SAN FRANCISCO. 2219 Van Ness Ave.
Altering three-story frame flat bldg. into 8, 2-room apartments.
Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Contract Awarded.
APARTMENT Cost, $48,000
OAKLAND. E Jackson 92 S 15th.
Three-story frame apartment house (58 rooms).
Owner—Geo. M. Magruder, 771 Lakeshore Ave., Oakland.
Architect—Chester H. Miller, 414 13th St., Oakland.

To Be Done By Day's Work and Sub-Contracts.
STORE & APTS. Cost, $60,000
SAN FRANCISCO. SW Post and Taylor Sts.
Six-story steel and brick store and apartment house (32 apartments).
Owner—M. A. Hunt, 150 7th St., S. F.
Superintendent and Agent—Wm. Helbing, 517 Hayes St., San Francisco.

Segregated Figures Being Taken.
APARTMENT Cost $25,000
SAN FRANCISCO. Vallejo near Taylor St.
Three-story and basement frame and stucco apartment house (6, 3-room apartments).
Owner—G. M. Hyde.
Architect—Houghton Sawyer, Hearst Bldg., San Francisco.

Contract Awarded.
APARTMENTS Cost, $33,500
OAKLAND, Alameda Co., Cal. E Lee Street 275 N Grand Avenue.
Three-story frame apartment house (30 rooms).
Owner—Daisy E. Queena, 1535 Madison St., Oakland.
Architect—None.
Contractor—Sommarstrom Bros. Co., 1941 24th Ave., Oakland.

Plans Being Figured.
ALTERATIONS Cost, $10,000
SACRAMENTO, Cal. Ninth and G Sts.
Alter two-story frame apartment house
Owner—Fred Ankener.
Architect—E. C. Hemmings, Ochsner Bldg., Sacramento.
Figures will be taken in about a month for the construction of a new two-story frame and stucco apartment house building for Mr. Ankener at the same location. Cost, $25,000.

Contract Awarded.
APARTMENT Cost, $11,956
SAN MATEO, San Mateo Co., Cal. Lot 29 Taylor Addition.
Two-story frame store and apartment house.
Owner—Louis Rebele, 509 Highland, San Mateo.
Architect—T. M. Edwards, 833 Market St., San Francisco.
Contractor—Thos. J. Edwards, 1520 Cypress, Burlingame.

Plans Being Prepared—Figures To Be Taken In Ten Days.
APARTMENT Cost, $19,000
SAN FRANCISCO. Richmond District.
Three-story and basement frame and plaster apartment house (2, 3-room and 3, 5-room apartments).
Owner—Geo. Wahlheim.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.

Contract Awarded.
APARTMENTS Cost, $11,789
SAN FRANCISCO. S Geary 200 E Pierce. St.
Two-story and basement frame (5 apartments).
Owner—Dr. F. A. Gawthorne, 707 Phelan Bldg., San Francisco.
Architect—None.
Contractor—H. S. Meinberger, 5720 California St., San Francisco.

BANKS

Contract Awarded.
BANK BLDG. Cost, $50,000
TURLOCK, Stanislaus Co., Cal. Lander Ave.
Two-story brick bank, offices and lodge rooms (108x80-ft.)
Owner—Fred, Knutsen, Turlock, Cal.
Lessee—Security State Bank of Turlock, Henry A. Johnson, President.
Architect—Not given.
Contractor—Tornell & Elburg, Turlock, Cal.

Figures to be Taken Shortly.
BANK BLDG. Cost, $10,000
PLACERVILLE, El Dorado Co., Cal.
One-story reinforced concrete and terra cotta bank building.
Owner—Bank of El Dorado County.
Architect—E. C. Hemmings, Ochsner Bldg., Sacramento.
Bids will be taken starting January 12th.

BONDS

SAFFORD, Ariz.—An election will be held in Graham County this month to vote on issuing $500,000 bonds to construct a hard surfaced road from Solomonville west through the Gila Valley, about 24 miles. An effort will be made to secure $300,000 federal aid if the bond issue carries.

SAN ANSELMO, Marin Co., Cal.—An election will be held Jan. 10, in Sanitary District No. 1 of Marin County, to finance construction of a main main trunk line and outfall sewer system; estimated cost, $200,000. C. C. Kennedy, 58 Sutter St., San Francisco, is engineer for district.

SANTA ROSA, Sonoma Co., Cal.—Election to vote bonds of $37,500 to finance construction of a new school in the Dunbar Grammar School District failed to carry by 21 votes.. Trustees propose to call another election.

FRESNO, Fresno Co., Cal.—Washington Union High School District proposes to call election to vote bonds to finance construction of a new school building.

REDWOOD CITY, San Mateo Co., Cal.—Supervisors sell $360,000 bond issue of San Mateo Union High School District for premium of $32,090 and $200,000 issue of San Mateo Grammar School District for premium of $19,145. Proceeds of the sale in each instance will finance construction of new schools. Architects Werner & Coffey, Humboldt Bank Bldg., San Francisco, are preparing the plans for the high school.

MUNICIPAL BUILDING, ETC.

LONG BEACH, Cal.—The Long Beach City Council has instructed the City Attorney to prepare a resolution calling a special election in January or early in February to vote bonds in the sum of $1,925,000 for municipal buildings, and improvements. Six propositions will be voted upon; $1,000,000 for a memorial auditorium and site; $500,000 for parks and play grounds; $175,000 to complete and furnish the new city hall building; $100,000 for rubbish incinerator and sewage disposal; $100,000 for site and first unit of a community hospital; and $50,000 for comfort stations.

PARADISE, Butte Co., Cal.—Bonds of $70,000 sold by Paradise Irrigation District to finance improvements in the district.

TRACY, San Joaquin Co., Cal.—School Trustees propose to call election to vote bonds of $75,000 to finance renovation and a one-room addition to the Naglee-Burk school and to erect the central building in the model unit plans school in West Park. Plans have already been prepared by Architect W. J. Wright, Bank of Italy Bldg., Stockton.

SPARKS, Nevada—City Council proposes to call bond election to vote $60,000 to finance construction of a new city hall.

CHURCHES

Plans Approved.
CHURCH Cost, $40,000
FRESNO, Fresno Co., Cal. It and Mariposa Sts.
Three-story hollow tile and stucco church (50x75).
Owner—St. John's Church, John McGrath, Dean of Diocese and pastor of church.
Architect and Supt. of Construction—Julius Fabel, New York, N. Y.

FACTORIES & WAREHOUSES

Contract Awarded.
CREOSOTING PLANT Cost, $150,000
WILMINGTON, Los Angeles, Co., Cal.
Five, one-story frame and corrugated iron creosoting plants.
Owner—Southern Pacific Co.
Architect — Architectural Department of owner, 65 Market, S. F.
Contractor—Not given.

Contract Awarded.
EXCAVATION Cost, $15,000
SAN FRANCISCO. 825 Sansome St.
Excavate for vault area; cut through brick wall in warehouse.
Owner—Harriette DeWitt Kittle.
Architect — Nathaniel Blaisdell, 255 California St., San Francisco.
Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco.

Plans Being Figured.
LOFT BLDG. Cost, $35,000
SAN FRANCISCO. S. Howard bet. 1st and 2nd Sts.
Four-story reinforced concrete loft building.
Owner—H. Rumps.
Architect—H. C. Baumann, 251 Kearny Street.
Figures are being taken for a general contract.

Contract Awarded.
FACTORY BLDG. Cost, $250,000
MARYSVILLE, Yuba Co., Cal.—J St. from 5th to 9th Sts.
Reinforced concrete factory bldg. and several dwellings for employees.
Owner—Virden Packing Co.
Architect — H. J. Brunnier, Sharon Bldg., San Francisco.
Contractor — McGillivray Construction Co., Capitol Bank Bldg., Sacramento.

Plans Being Prepared.
REPAIR SHOP Cost, $——
SAN FRANCISCO. N Pacific Ave. 127 W Larkin.
One-story reinforced concrete automobile repair shop.
Owner—August Livernais.
Architect—O'Brien Bros., 240 Montgomery St.

Sub-Contracts Awarded.
FACTORY Cost, $750,000
OAKLAND, Alameda Co., Cal. End of E-14th St. at City Limits.
Two-story reinforced concrete automobile factory with 4 wings (exterior dimensions about 800x800).
Owner—Durant Motors Co.
Structural Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.
Mechanical Engineers—Hunter & Hudson, Rialto Bldg., San Francisco.
Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.
Ornamental Iron Work awarded to Folsom Street Iron Works, 18th St. and Treat Ave., $5,555. **Steel and Sash** to Truscon Steel Co., 527 10th St., San Francisco, at $12,000.

Contract Awarded.
BUILDING Cost, $55,000
SACRAMENTO. NE Front and N Sts.
Two-story and basement brick and concrete wholesale building, 80 x 160.
Owner—Bert McDowell Co. (wholesale grocery firm).
Architect—None.
Contractor — McGillivray Construction Co., Capitol National Bank Bldg., Sacramento.

Additional Sub-Contracts Awarded.
LOFT BLDG Cost, $45,000
OAKLAND. W Webster St. N 14th Street.
Two-story and basement reinforced concrete loft building, 50x150.
Owner—Max Horwinski.
Architects—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.
Carpentry Work to McIntosh Bros., 180 Jessie Street, San Francisco.
Lupton Steel Sash to Waterhouse-Wilcox Co., 523 Market St., S. F.

Contract Awarded.
ICE HOUSE Cost, $11,500
OAKLAND. S 26th St. 100 E Chestnut.
One-story reinforced concrete ice house.
Owner—Sanitary Ice and Storage Co.
Architect—None.
Contractor—Nelson & Forsyth, Easton Bldg., Oakland.

RICHMOND, Contra Costa Co., Cal.—Until Jan. 9, 8 P. M., bids will be received by A. C. Faris, city clerk, for sheet metal work and skylights for wharfshed adjacent to Municipal Wharf No. 1. **See call for bids under official proposal column in this issue.**

OROVILLE, Butte Co., Cal.—O. A. Peter, 404 Montgomery St., Oroville, awarded contract to erect dry kiln, eight rooms of hollow tile, each 12x104 ft., for the Hutchinson Lumber Company.

BURBANK, Los Angeles Co., Cal. Architect Richard D. King, 519 Van Nuys Bldg., is taking bids for erecting a group of 7 factory buildings on a 5-acre tract at Burbank for American Aluminum-Metal Products Co. Separate bids will be taken on brick work. Brick walls, composition roof, metal skylights, steel sash, cement floors.

LODI, San Joaquin Co., Cal.—Freeman B. Mills, local vineyardist and president of the Hemp Industries, Inc., announces his company will erect a factory for the manufacture of hemp. It is proposed to have the plant in operation for the 1922 season.

BERKELEY, Cal.—The comptroller of the University of California received the following bids on January 3rd, for Carpentry and Millwork, Lathing, Furing and Plastering, and Roofing for the Dairy Building on the grounds of the University Farm School at Davis, California. Plans were prepared by Architect Wm. C. Hays, First National Bank Bldg., San Francisco:

Carpentry and Millwork

John Morton, Balboa Bldg., San Francisco	$37,150
K. E. Parker Co., S. F.	37,375
I. M. Sommer, S. F.	39,363
Barrett & Hilp, S. F.	41,873
Walter Murch, Oakland	44,989

Lathing and Plastering

Leonard Bosch, San Francisco	$12,150
Robt. Felt, San Francisco	14,997
A. Knowles, San Francisco	15,400
Wm. Makin	16,394

Roofing

Western Asbestos Co., S. F.	$5112
Mallott & Peterson, S. F.	5127
— Bird	5320
Johns-Manville Co.	5473

FLATS

Contract Awarded.
FLATS Cost, $12,832
SAN FRANCISCO. NW Arguello Blvd. and California.
Two-story frame flats (all work except plumbing, wall beds, electric fixtures, wall paper, finish hardware and window shades).
Owner—Louis May, 235 15th Ave.
Architect—Dodge A. Reidy, Pacific Bldg.
Contractor—Wm. Martin, 180 Jessie St., San Francisco.

Plans Completed.
FLATS Cost, $13,000
SAN FRANCISCO. SW Balboa and 22nd Ave.
Two-story and basement frame (4) flats.
Owner—F. and A. Gallagher, 30 Lloyd Street.
Architect—Plans by owner.

Contract Awarded.
FLATS Cost, $15,000
SAN FRANCISCO. NE Geary and Parker Ave.
Two-story and basement frame (4) flats.
Owner—A. Consani, 39 Wood St.
Architect—David Leigh, 840 44th Ave.
Contractor—H. J. Hansen, 180 Jessie St.

Contract Awarded.
FLATS Cost, $10,485
SAN FRANCISCO. E Moss 100 S Howard St.
Two-story and basement frame (4) flats.
Owner—Joseph Wolford, 1240 McAllister.
Architect—None.
Contractor—W. B. Zane, 114 Russ St.

GOVERNMENT WORK AND SUPPLIES

FORT MASON, Cal.—The following bids were received on December 30th, by the Constructing Quartermaster Office at Fort Mason, for repairing the dock at Fort McDowell:

A. W. Kitchen Co.	$1454
Healy-Tibbitts Co.	1465
Duncanson-Harrelson	2050
San Francisco Bridge Co.	2100
Hannah Bros.	2211

The contract was awarded to A. W. Kitchen Co., 110 Market St., S. F.

SAN FRANCISCO—Auction of surplus property will take place at Fort Mason, Jan. 17, 10 A. M. Among other articles listed are hotel ranges, refrigerators, pipe fittings, hammers, knives, kitchen equipment, washers, vises, harness, axes, wagon wheels, etc., etc. All property to be sold may be inspected one week prior to sale.

WASHINGTON, D. C. — Following bids received Dec. 28, by Bureau of Yards and Docks, Navy Department, under Specification No. 4559, for gas, water, sewer and electrical distributing systems at the naval base, San Diego, Calif.:

Item 1, entire work complete; 2, alternate design A.

G. E. Engineering Co., 449 W 42nd St., New York City, item 1, $52,400, 120 days; 2, $52,400, 120 days.

Dee Waard & Cobham, 207 Granger Bldg., San Diego, Calif., item 1, $61,800, 120 days; 2, $61,800, 120 days.

W. E. Kier Construction Co. and Wm. Simpson Construction Co., 526 Marsh Strong Bldg., Los Angeles, Calif., item 1, $58,000, 150 days; 2, $58,000, 150 days.

WASHINGTON, D. C.—Specification No. 4543 is being prepared by the Bureau of Yards and Docks, Navy Department, for installation of cold storage and refrigerating equipment at San Diego, Calif.; also Specification No. 4576 for installation at naval hospital, San Diego, of sterilizing equipment. Application for plans may be filed with the Bureau. A deposit of $10 is required.

WASHINGTON, D. C.—Until Jan. 17, 10:30 A. M., bids will be received by Panama Canal Commission, for furnishing and delivering f. o. b. Balboa (Pacific Port) 5,000 barrels of cement. Blanks for bidding may be had from Assistant Purchasing Agent, Fort Mason, San Francisco.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at the end of each paragraph:

Schedule 9265, various yards, white and red lead, dry and in oil. January 17.

Schedule 9270, Mare Island, 3,000 gallons damar varnish. Jan. 24.

Schedule 9272, Mare Island, 10,000 water gauge glasses, Jan. 24.

Schedule 9275, San Diego, 2 vacuum pumps, Jan. 24.

Schedule 9277, various yards, tool steel, Jan. 31.

Schedule 9280, for Mare Island, 100,000 lbs. sheet steel, Jan. 24.

Schedule 9281, for Mare Island, 7,500 deck-scrubbing brushes, Jan. 24.

Schedule 9282, for Mare Island, 25,000 sq. ft. iron and copper wire cloth, Jan. 24.

Schedule 9286, for Mare Island, 1 band saw, Jan. 31.

Schadule 9287, for Mare Island, 1,000 gals, spar varnish, Jan. 31.

SAN FRANCISCO—The Light House Superintendent, San Francisco, received the following bids for docking and repairing light vessel No. 70:

Item 1, necessary items; 2, optional items.

Moore Shipbuilding Co., San Francisco, item 1, $607; 2, $963.25; 7 days; accepted in amount $1,670.25.

Barnes & Tibbetts Shipbuilding and Dry Dock Co., item 1, $575; 2, $1,288.

General Engineering Co., San Francisco, item 1, $645, 2, $1,174.50.

Main Iron Works, San Francisco, item 1, $588; 2, $2,174.

Hanlon Dry Dock and Shipbuilding Co., item 1, $641; 2, $1,118.

WASHINGTON, D. C.—As previously reported bids will be received by Bureau of Yards and Docks, Navy Department, January 18, under Specification No. 4527, for constructing dispensary at Marine Corps Base, San Diego, Calif. Prospective bidders for this work are: Lange & Bergstrom, 206 Sharon Bldg., San Francisco; Amster Construction Co., Inc., 705 133rd St., New York City; W. E. Kier Construction Co., 813 American National Bank Bldg., San Diego, Calif.; Campbell Building Company of Utah, Salt Lake City, Utah; Crane Co., 1221 I St., N. W., Washington; M. G. White, 241 Spreckles Theater Bldg., San Diego, Calif.; Johns-Manville, Inc.; John Douglas Co., Union Trust Bldg., Washington.

WASHINGTON, D. C.—The contract for furnishing roofing and roof coating for the U. S. public health service hospital, Whipple Barracks, Ariz., has been awarded to the Pioneer Paper Co., 247 South Los Angeles St., Los Angeles, Calif., as follows: 200 squares 3-ply roofing, $610, 250 gals roof coating, $150.

WASHINGTON, D. C.—Establishment of an agricultural school near Stockton, Calif., for training disabled ex-service men; location of another school at Clyde, Contra Costa County, for training veterans in mechanical lines and another institution at Livermore, Alameda County, for the care of tubercular veterans, is being considered by the United States Veterans' Bureau. Two inspections have been made and a third is being completed. A decision is expected within two months.

SAN FRANCISCO—Until Jan. 10, 10 A. M., under Circular 22-34, bids will be received by Quartermaster Supply Officer, Fort Mason, for furnishing and delivering paints, rubber hose, 2 steam pump governors, temperature regulators, non-return steam trap and 26 steam traps for radiator.

SAN FRANCISCO—Until Jan. 13, 11 a. m. under Order No. 3388, bids will be received by U. S. Engineer Office, 240 Montgomery st., for fur. and del. f. o. b. regular wharf, Rio Vista, Solano county, miscellaneous hardware and supplies. Specifications furnished on request.

SAN FRANCISCO—Until Jan. 13, 10 A. M., under Circular No. 22-22, bids will be received by Quartermaster Supply Officer, Fort Mason, for furnishing and delivering paper, twist drills, saw gummers, office supplies, emery wheels, packing boxes, express terrets, etc., etc.

HALLS AND SOCIETY BUILDINGS

Plans Being Prepared.
LODGE BLDG. Cost, $60,000
HAYWARD, Alameda Co., Cal.
Two-story reinforced concrete theatre store and lodge building.
Owner—Sycamore Lodge of Odd Fellows.
Architects—Sorensen Bros., 1110 C St., Hayward.
Work will be done by day's labor and sub-contractors under the supervision of Sorensen Bros., who are general contractors.

Plans To Be Prepared.
LODGE BLDG. Cost, $150,000
SANTA ROSA, Sonoma Co., Cal. A between 4th and 5th Sts.
Two-story reinforced concrete lodge bldg. (200x120).
Owner—Santa Rosa Lodge of Elks.
Architect—Not selected.

Contract Awarded.
REMODLING Cost, $9,928
SAN JOSE, Santa Clara Co., Cal.
Remodeling Italian Society Hall building.
Owner—Societa Italiana Di Beneficenza.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—A. Megna, 864 N-17th, San Jose.

Plans Being Figured.
BUILDING Cost, $——
SAN FRANCISCO. Washington near Stockton.
Two-story reinforced concrete church and lodge building.
Owner—Chinese Missionary Society.
Architect—W. R. Yelland, Perry Bldg., Oakland.
Figures are being taken for a general contract.

Contract Awarded.
MAUSOLEUM Cost, $300,000
TROPICO, Cal. Forest Lawn Cemetery.
One and two-story granite, marble and reinforced concrete mausoleum (66 x 189).
Owner—American Security & Fidelity Co.
Architect—T. Paterson Ross, 310 California St., San Francisco
Contractor—C. L. Peck, H. W. Hellman Bldg., Los Angeles.

HOSPITALS

Contract Awarded.
BUILDING Cost, $11,435
BELMONT, San Mateo Co., Cal.
Two-story frame building.
Owner—California Sanatorium, Belmont, Cal.
Architect—None
Contractor—L. Diogardi, Redwood City

SAN JOSE, Santa Clara Co., Cal.—Completed plans and specifications for additions and alterations to Aged Woman's building at the County Hospital presented to the Supervisors and referred to the Infirmary Committee for report.

LOS ANGELES, Cal.—Until 11 A. M., Jan. 23, bids will be received by the Los Angeles Board of Supervisors, for erecting a utility building at the county hospital. Plans by Wm. Davidson, chief county mechanical engineer. One-story, 32x72 ft., designed for 2-story reinforced concrete frame, floor and roof, brick walls, composition roofing. Plans may be obtained at the office of Board of Supervisors, Hall of Records.

HOTELS

Plans Being Prepared.
HOTEL, ETC. Cost, $800,000
LONG BEACH, Los Angeles Co., Cal. Ocean Ave. opp. Municipal Park.
Ten and twelve-story Class A store and office building, 134x136 (324 guest rooms, 10 stores, etc.)
Owner—Park View Land Co.
Architect—Loy L. Smith, 804 Higgins Bldg., Los Angeles.

To Be Done By Day's Work—Work Started.
HOTEL Cost, $100,000
CHICO, Butte Co., Cal. 14 miles northeast of Chico.
Four-story reinforced concrete hotel.
Owner — Richardson Springs (Lee Richardson, proprietor).
Architect—Not given.
That the resort will be one of the most modern in the state is assured in plans which provide for elevator service, steam heat throughout and a cold storage and refrigerating plant of 10-ton capacity.

FRESNO, Fresno Co., Cal.—Dr. E. H. Trowbridge, Forsyth Bldg., Fresno, announces his intention to erect a three or four-story brick store and hotel building at Tulare and N Sts. Estimated cost, $200,000.

CHICO, Butte Co., Cal.—J. P. Murphy, Chico, will erect a $20,000 hotel building at lower end of Fifth street near Southern Pacific railroad station. The building will be of frame construction and will have 60 ft. frontage on Fifth street and 132 ft. on Orange street.

POWER PLANTS

KINGMAN, Ariz.—Col. J. C. Greenway and the copper interests of the state are back of a project to build a power plant in Diamond Canyon on the Colorado river. A dam 250 high is planned. About 160,000 h. p. will be developed to serve all the mines of the state. J. B. Girand of Phoenix, Ariz., is the engineer. The river will be diverted through a tunnel in the bluff while the dam is under construction.

PUBLIC BUILDINGS

Contract Awarded.
STATIONS Cost, $23,273
FRESNO, Fresno Co., Cal. Court House Park.
Two brick and stucco comfort stations, 21x41 each. Tile interiors.
Owner—County of Fresno, D. M. Barnwell, Clerk.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.

Contractor—Martin Construction Co., Fresno.

SAN FRANCISCO—Uutil Jan. 18, 3 P. M., bids will be received by the Board of Public Works for furnishing and installing electrical wires and conduits for additional feeds and plug outlets in the Municipal Auditorium; estimated cost, $2,000. Bond required of successful bidder, $500. Plans may be had from Bureau of Architecture, 2nd Floor, City Hall.

BERKELEY, Alameda Co., Calif.—No bids received by city council to construct field house in James Kennedy park. Playground Commission instructed to do work at cost not to exceed $1,000.

OROVILLE, Butte Co., Cal.—Owing to irregularities the Supervisors reject bids for altering the county jail quarters in the court house and bids ordered re-advertised to be opened Jan. 24, 1:30 P. M. Chester Cole, Waterland-Breslauer Bldg., Chico, Architect. Plans may be had from County Clerk, C. F. Belding.

STOCKTON, San Joaquin Co., Cal.—The San Joaquin Board of Supervisors have deferred action on plans and specifications for the construction of an old people's home at the county hospital grounds until the February meeting of the board.

Local architects have been invited to prepare plans and specifications for a two-story semi-fireproof building, costing about $50,000.

LOS ANGELES, Cal.—Wm. Davidson, Los Angeles County Mechanical Engineer, Hall of Records, is preparing plans for a group of six infirmary buildings to be erected at the county farm, near Downey. Each will be 34x160 ft., one-story and will contain nurses' quarters, baths, lavatories and 32-bed ward; frame construction, plaster exterior, composition roofs, cement floors. Cost, $50,000.

For two bungalow ward buildings at Olive View sanitarium, near San Fernando. They will be one-story, 112x33 ft., with a wing, 30x30 ft.; frame construction, rustic siding, shingle roofs, pine trim and floors.

Also for a nurses' cottage for the communicable diseases building at the county hospital. It will contain 2 reception rooms, 24 sleeping rooms, 2 screened sleeping porches; two-story, 30x108 feet, frame construction, rustic exterior, shingle roof, pine trim and floors, lavatory in each room, steam heat.

LOS ANGELES, Cal.—Wm. Davidson, Los Angeles, Chief County Mechanical Engineer, Hall of Records, is preparing plans for additions to the county museum and art building at Exposition Park. The main science exhibit hall will be three stories, 100x197 ft.; the connecting wing will be two stories, 46x112 ft.; and the art gallery will be 1 story, 88x68 ft., to contain two exhibition rooms. Class A construction, structural steel frame, reinforced concrete floor and roof slabs, brick filler walls, ruff. brick facing, terra cotta trim, clay tile roofing, skylights, marble and tile work. Cost, $400,000.

RESIDENCES

Contract Awarded.
RESIDENCE Cost, $16,454
SAN MATEO, Cal. Lot 218 Bk. San Mateo Park.
All work except heating, light fixtures and shades for a two-story frame residence and garage.
Owner—John H. Sward, San Mateo, Cal.
Architect—C. J. Burchard, care of Christenson Lumber Co., 1950 3rd, St., San Francisco.
Contractor—C. H. Bessett Building Co., 660 Market, San Francisco.

Contract Awarded.
RESIDENCE Cost, $12,789
OAKLAND. Indian Glen Portion plots 6 and 7.
Two-story frame residence.
Owner—Geo. E. Bennett.
Architect — Schirmer-Bugbee & Co., Thayer Bldg., Oakland.
Contractor—Harry Schwalm, Berkeley.

Plans Being Figured.
RESIDENCES Cost, $12,000 each
SAN FRANCISCO. Sea Cliff.
Two 2-story rame and plaster residences (8 rooms and garage each).
Owner—Leroy Shay.
Architect—H. C. Baumann, 251 Kearny
Figures are bing taken for a general contract.

Plans Being Figured.
RESIDENCE Cost, $12,000
SAN FRANCISCO. Falcon Place near Vallejo St.
Two-story and basement frame & plaster residence (8 rooms and 2 bathrooms).
Owner—A. L. Berite.
Architect—Houghton Sawyer, Hearst Bldg., San Francisco.

Plans To Be Prepared.
RESIDENCE Cost, $9,000
BERKELEY. Townsend Oaks.
One-story frame residence.
Owner—Withheld.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.

Plans Being Prepared—Ready For Segregated Figures In Three Weeks.
RESIDENCE Cost, $22,000
PIEDMONT, Alameda Co., Cal.
Two-story and basement frame and plaster residence (12 rooms and separate garage) French Rural architecture.
Owner—G. T. Henshaw.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.

Segregated Figures To Be Taken Next Week.
RESIDENCE Cost, $32,000
PIEDMONT, Alameda Co., Cal.
Two-story and basement stucco 12-room residence and separate garage (court at rear with tile roof, mill work, rough interior and exterior plaster.
Owner—Chas. C. Keeney.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.

PIEDMONT, Cal.—Architects Sidney B. and Noble Newsom, Nevada Bank Bldg., San Francisco, have awarded a contract to Chas. D. Emmery, for the plastering in connection with the construction of a two-story frame and plaster residence for Dudley Dexter. It is being erected in Piedmont.

MERCED, Merced Co., Cal.—Raleigh Casad of Merced has purchased eighty-four lots north of the Santa Fe near the grammar school site and plans the erection of 100 modern bungalows. Approximately $200,000 will be expended in the improvements.

SCHOOLS

Bonds Voted—Plans Prepared.
SCHOOL Cost, $65,000
ARBUCKLE, Colusa Co., Cal.
One-story hollow tile and stucco 4-classroom school building.
Owner — Arbuckle Union Grammar School District.
Architect—Jens C. Petersen, Peoples Bk Bldg., Sacramento, Cal.

Ready For Figures End Of This Week.
SCHOOL Cost, $100,000
HAYWARD, Alameda Co., Cal. Main St.
Reinforced concrete school.
Owner — Hayward Grammar School District (Jacob Harder Jr., clerk).
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

Plans Being Figured—Bids Close Jan. 25, 1922, 8 P. M.
SCHOOL Cost, $200,000
COMPBELL, Santa Clara Co., Cal.
Reinforced concrete grammar school buildings.
Owner — Campbell Union Grammar School District.
Architect—Wm. H. Weeks, 369 Pine St., San Francisco.
See call for bids under official proposal column.

Plans Being Figured—Bids Close Jan. 30 1922, at 5 P. M.
SCHOOL Cost, $120,000
OAKLAND, Alameda Co., Cal. Lockwood School.
Brick, concrete and frame school.
Owner—Oakland Board of Education.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Segregated figures are being taken on sewer proposition.
See call for bids under official proposal column.

SAN FRANCISCO—M. B. McGowan, 180 Jessie St., at $25,987 submitted low bid to the Board of Public Works for brick and hollow tile work in connection with the Galileo High School now under construction on Van Ness avenue between Bay and Francisco streets. Other bidders.

Farrell & Reed	$29,000
Anderson & Ringrose	33,950
H. N. Larson	32,000
C. H. Hoffmeyer	36,625
Mealey & Collins	29,300
E. Hogberg	45,200
White & Gloor	29,000

FULLERTON, Los Angeles Co., Cal.—Edwards Wildey & Dixon Co., 515 Black Bldg., Los Angeles, were awarded the general contract at $180,650 for erecting additions to Fullerton union high school bldgs; Carleton M. Winslow, 1134 Van Nuys Bldg., Los Angeles, architect. The contract was awarded on the original bid of $184,500 with an addition of $250 for changes in one wing and a deduction of $4100 for omitting the library shelving. Other contracts were awarded as follows: Heating to Hoagland-Lakin Electrical and Engineering Co., at $7962; electrical work to Reid & Farley, Fullerton, at $10,851; and plumbing to S. Hill & Son, Santa Ana, at $12,588. Two wings, each 1-story and high basement, 109x51 ft., reinforced concrete and hollow tile construction, plaster exterior, composition roof on reinforced concrete slab, cast stone trim, tile and maple floors.

LOS ANGELES, Cal.—The Los Angeles Board of Education rejected all bids for erecting a new school building at East First St. school site. John P. Krempel and Walter E. Erkes, Bradbury Bldg., Los Angeles, architects. The plans will be revised to omit the nursery and the work will be readvertised.

LOS ANGELES, Cal.—John B. Dawson, Fay Bldg., Los Angeles, was low bidder at $77,550 on the general contract for erecting a new school bldg. on Selma Ave. school site; Mott M. Marston, I. W. Hellman Bldg., Los Angeles, architect. Other low bidders were: E. W. Crowell Co., on plumbing at $5239; Arenz-Warren Co. on steam heating at $5485. Prewitt Electric Co. submitted the only bid on wiring at $3030. The bids, which were referred

to the business manager, were: **General Contract**—J. B. Dawson, $77,550; J. C. Bannister, $83,950; Darrell Condley Co., $88,992; J. F. Kobler, $89,317; J. A. Hill Construction Co., $97,755. **Plumbing**—E. W. Crowell Co., $5239; Arthur Hess, $5641; W. S. Goodrich, $6175; Marshall-Lock Co., $6652. **Painting**—Arenz-Warren Co., $3701; A. Quandt & Son, $4576; R. Zelinsky, $4860; Alhambra Wall Paper & Paint Co., $5000; **Steam Heating**—Marshall-Lock Co., $5485; Geo. A. Posthumus, $5527; Arthur Hess, $5750; and J. Hokom, $5574.

WHITTIER, Cal.—Until 3.30 P. M., Jan. 18, bids will be received by trustees of Whittier school district for erecting a new junior high school bldg. at SW corner of Hadley St. and Whittier Ave., Whittier. John C. Austin, 1125 Baker-Detwiler Bldg., and W. Horace Austin, Long Beach, associated architects. Bids will be taken separtely on the general contract, plumbing, electric wiring, heating and painting. The building will be two-story reinforced concrete construction, stucco exterior, cast stone trim, tile and composition roof, pine trim, beech floors, $100,000.

LONG BEACH, Cal.—Bids are desired by the Long Beach Board of Education G. W. Scott, clerk, 504 Long Beach Bank Bldg., Long Beach, from outside contractors for the erection of a new unit at the Horace Mann school by separate contracts, as follows: (1) concrete and brick work; (2) marble; (3) carpentry and millwork; (4) hardware; (5) roofing; (6) sheet metal; (7) plastering; (8) slate blackboards; (9) window shades; (10) plumbing; (11) painting; (12) electric wiring; (13) steam heating; (14) general contract; (15) alternate for gas heating. Appropriation, $75,000. Parker O. Wright and Francis H. Gentry, 315 Marine Bank Bldg., Long Beach, architects.

LOS ANGELES, Cal.—Geo. F. Barber, 352 S. Virgil Ave., Los Angeles, was awarded the general contract at $61,000, for erecting new school building at Custer Ave. school site; Elmer Grey, Wright & Callender Bldg., architect. The contract was let on the original bid of $62,500 with a deduction of $1500 for McCabe hardware. Other contracts were awarded as follows: Plumbing to E. W. Crowell Co. at $5618; painting to Apex Paint Co. at $2172; steam heating to Geo. A. Posthumus at $2150; electrical work to Prewitt Electric Co. at $2230. Two-story 144x82 ft., 11 rooms, brick construction, ruff. brick facing, composition and tile roof.

LOS ANGELES, Cal.—Geo. F. Barber, 352 S. Virgil Ave., L. A. was awarded general contract at $52,021 for erecting a new two-story reinforced concrete school bldg. at Santa Fe Ave. school site; Thos. Franklin Power, Tajo Bldg., Los Angeles, architect. The contract was let on the original bid of $52,721 with a deduction of $200 for beech floors and $500 for McCabe hardware. Other contract were awarded as follows: Plumbing to H. E. Murray at $6661; steam heating to Geo. A. Posthumus at $372[illegible]; painting to Apex Paint Co. at $3171; and electrical work to Prewitt Electric Co. at $2110.

PASADENA, Los Angeles Co., Cal.—Until 8.30 P. M., Jan. 19, bids will be received by N. G. Felker, clerk of the Pasadena Board of Education, 321 Chamber of Commerce Bldg., Pasadena, for the erection of a one-story hollow tile grammar school bldg. (Andrew Jackson School) at Atlanta and Casitas Sts., Pasadena, by separate co[illegible] as follows: (1) general contract; (2) plumbing; (3) heating; (4) painting; (5) electric wiring. Check for 5%. Plans are now being completed by Architects Marston & Van Pelt, E. W. Maybury, associate, 600 Chamber of Commerce Bldg., Los Angeles. Construction foundation, 231x164 ft., tile roof, hollow tile walls, brick veneer and stucco exterior, hardwood floors, wood trusses, cement cloister floors, cast stone trim, wrought iron grilles, tile decoration; six classrooms, auditorium, 100-seat balcony, stage, 15x24 ft., kitchen, cafeteria, kindergarten of same construction, 15x24 ft.; cement terraces.

LOS GATOS, Santa Clara Co., Cal.—School Trustees proposed to call election to vote bonds with which to finance construction of a new grammar school.

RIVERVIEW, Fresno Co., Calif.—Until January 14, 2 P. M., bids will be received by Riverside Grammar School District for constructing 6 classroom school; bonds of $57,000 voted to finance construction. Anton Johnson, Kingsburg Bank Bldg., Kingsburg, architect. **See call for bids under official proposal column in this issue.**

BERKELEY, Calif.—Bids will be received until Jan. 25, 1922, at 9 a. m. by the Comptroller of the University of California for tile and brick work, exterior cement work, carpentry work, interior plastering, cast and wrought metal work, metal window work, glazing, painting, marble and terrazzo work for the Student Union Building. **For further particulars see call for bids under official proposal column.**

FRESNO, Fresno Co., Cal.—Until Jan. 20 bids will be received by D. M. Barnwell, County Clerk, for the purchase of $36,000 bond issue of Washington Colony school District. Proceeds of the sale to finance school improvements.

LOS ANGELES, Cal.—L. A. Planing Mill Co. was low bidder at $289,710 on the general contract for erecting a new school bldg. on Le Conte junior high school site. John Simpson & Co. was low bidder at $261,950 on the general contract if one wing is omitted. The low bidders on other contracts were: J. Hokom on steam heating at $30,773; F. B. Potter Electric Co. on wiring at $10,489; E. A. Lindgreen on painting at $11,088; and W. S. Goodrich on plumbing at $15,499. Appropriation $280,000. Bids referred to business manager. The blds were: **General Contract**—L. A. Planing Mill Co., $289,710 (a) if wing "A" is omitted, $264,007 (b) if red ruff. brick is used for facing instead of tan ruffled brick, deduct $5200 for entire bldg. and $4125 if wing is omitted; John Simpson & Co. $289,950, (a) $261,950, (b) $284,600 and $257,450, lump sum; J. F. Atkinson, $323,000, (a) $293,000, (b) $5200 and $1500; Willard-Brent Co., $325,000, (a) $295,060, (b) $321,000 and $290,500, lump sum; C. J. Kubach Co., $346,500, (a) $316,600, (b) $6171 and $5304; Bavin & Burch Co., $349,000, (a) $319,000, (b) $5200 and $4300. **Heating**—J. Hokom, $30,773, (a) $29,818; Hoagland-Lakin Electrical & Engineering Co., $31,000, (a) deduct $964; W. W. Brooks, $31,900, (a) $30,900; Foss & Jones, $32,712, (a) $31,925; Munger & Munger, $32,844, (a) $31,994; Arthur Hess, $33,069, (a) $32,275. **Wiring**—F. B. Potter Electric Co., $10,489 (a) $9941; Standard Electric Co., $10,563, (a) $9990; Renard-Stary Electric Co., $10,586.85, (a) $10,236.85; Prewitt Electric Co., $10,685, (a) $10,335. **Painting**—E. A. Lindgreen, $11,0[illegible], (a) $9576; D. Zelinsky & Son, $11,800, (a) $10,600; Arenz-Warren Co., $12,[illegible]15, (a) $10,874; R. Zelinsky, $13,[illegible]30, (a) $12,190, Alhambra Wall Paper and Paint Co., $13,893, (a) $12,180. **Plumbing**—W. S. Goodrich, $15,499, (a) $13,569, W. W. Brooks, $15,980, (b) $15,680; G. C. Sutton, $17,675, (a) $17,491; J. Hokom, $18,398, (a) $18,221; E. W. Crowell, $19,245, (a) deduct $254.

LOS ANGELES, Cal.—MacDonald & Driver, Douglas Bldg., Los Angeles, were awarded the general contract at $56,735 for erecting a new school bldg. at Rosemont Ave. school site; Geo. M. Lindsey, architect. The contract was awarded on the original contract was with a deduction of $255 for omitting work for gas heating and an addition of $1080 for work required for steam heating. The plumbing was awarded to E. W. Crowell at $5450, contract awarded on the bid of $5635 with a deduction of $60 for Nelson fixtures and a deduction of $125 for omitting gas piping. The steam heating was awarded to Marshall-Lock Co. at $3509; painting to Alhambra Wall Paper and Paint Co. at $2650; let on bid of $2870 with deductions of $220 for changes; and electric wiring to Prewitt Electric Co., at $2959, let on bid of $2924 with an addition of $35.

LOS ANGELES, Cal.—J. C. Bannister, 903 N Mariposa St., Los Angeles, was low bidder at $23,700 for additions and alterations at Angeles Mesa school. T. Beverly Keim, Jr., architect. Marshall-Lock Co. was low on heating at $1726 and Arenz-Warren Co., was low on painting at $640. The bids, which were referred to the business manager, were as follows: **General Contract**—J. C. Bannister, $23,700; Darrell Condley Co., $25,885; J. B. Harris, $26,356. **Heating**—Marshall-Lock Co. $1726; J. Hokom, $1938; Geo. A. Posthumus, $2065; Arthur Hess, $2510. **Painting**—Arenz-Warren Co., $640; Alhambra Wall Paper & Paint Co., $720; Dresher Decorating Co., $795; R. Zelinsky, $890; and D. Zelinsky & Son, $1050.

BURBANK, Cal.—Until 8 P. M., Jan. 24, bids will be received by the Trustees of Burbank High School District in Los Angeles County, for erecting a new high school building. Allison & Allison, 1405 Hibernian Bldg., Los Angeles, are the architects. Bids will be taken on segregated contracts. It will contain 7 class rooms, art, music, commercial and domestic science departments; laboratories and lecture rooms, study hall and auditorium to seat 1,000 people; 269x138 feet, brick construction, tapestry brick and plaster exterior, teria cotta trim, composition and tile roofing, pine trim, maple floors. Bonds of $161,000 voted and sold.

VENICE, Los Angeles Co., Cal.—John Simpson & Co., 701 Antonio Ave., Los Angeles, were awarded the general contract at $27,950 for erecting a new grade school at Venice. Edwin Bergstrom, 1128 Citizens National Bk. Bldg., Los Angeles, is the architect. Painting was let to Alhambra Wall Paper & Paint Co. at $1198 and blackboards to C. F. Weber Co., at $530. The bids for heating and electrical work were held under advisement and the only bid for plumbing was rejected and this work will be readvertised. Brick construction, 6 classrooms, plastered and pressed brick exterior, clay tile roof and pine trim.

STORES AND OFFICES

Contract Awarded.

STORES Cost, $30,000

OAKLAND, Alameda Co., Cal. SW Grand Ave and Webster St.

One-story reinforced concrete (61 stores.

Owner—E. H. Wiel.

Architects — Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

Contractor—MacDonald & Kahn, 180 Montgomery St., San Francisco.

Plans to be Prepared.
STORE BLDG. Cost, $——
OAKLAND, Alameda Co., Cal. Grand Ave., near 21st Street.
One-story reinforced concrete store building.
Owner—Geo. H. Roos.
Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
This will be the fourth store building to be erected in this location within the last year.

Segregated Figures Being Taken.
ALTERATIONS Cost, $9,500
SAN FRANCISCO. 136 Mason St.
Alter. store and Tamale Restaurant (Red Southern gum trim, ornamental plaster, ceiling, etc).
Owner—Withheld.
Architect—O. R. Thayer, 110 Sutter St.
Figures are being taken on the following segregations: (1) millwork; (2) carpentry and setting of millwork; (3) tile work; (4) glass; (5) electric work; (6) lathing and plastering; (7) composition flooring; (8) painting.

Plans Being Prepared.
ALTERATIONS Cost, $100,00 or more
STOCKTON, San Joaquin Co., Cal. SE Main and Hunter Sts.
Alterating four-story store and office building (new interior store fixtures, etc.)
Owner—N. Levi & Bro.
Architect—Bernard J. Joseph, Call Bldg., San Francisco.

Contract Awarded.
STORE BLDG. Cost, $40,000
SAN FRANCISCO. NW Annie and Mission St.
One-story and basement brick store bldg.
Owner—A. H. Knoll.
Architect—A. H. Knoll, Hearst Bldg.
Contractor—Barrett & Hilp, 918 Harrison St.

Permit Applied For.
OFFICE BLDG. Cost, $35,000
SAN FRANCISCO. E Montgomery 87 S Bush.
Four-story and basement brick office and store building.
Owner—The Dunn-Williams Co.
Architect—G. A. Lansburgh, Gunst Bldg.
Contractor—MacDonald & Kahn, 130 Montgomery St.

Contract Awarded.
AUTO SALES BLDG. Cost, $77,529
SACRAMENTO, Cal. SW Sixteenth and J Streets.
Three-story and basement brick and reinforced concrete auto sales building, 80x160
Owner—W. I. Elliott Co.
Architect — Jens Petersen, People's Svgs. Bank Bldg., Sacramento.
Contractor—Geo. D. Hudnutt, California Fruit Bldg., Sacramento.

Preliminary Plans Being Prepared.
ALTERATIONS Cost, $25,000
SACRAMENTO, Cal. Corner Seventh and K Streets.
Extensive alterations to first floor and show windows of department store
Owner—Bon Marche (C. P. Nathan & Sons).
Architect — E. C. Hemmings, Ochsner Bldg., Sacramento.
NOTE:— The fixture work will be done by L. & E. Emanuel Co., Inc., 1530 Filbert St., San Francisco.

Segregated Figures Being Taken.
STORE BLDG. Cost, $——
SAN FRANCISCO. E Jones Street near Geary Street.
One-story and basement reinforced concrete store building. 23x69 (2 stores).
Owner—Wm. H. Woodfield.
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.

Working Drawings Being Prepared.
STORE & LOFT BLDG. Cost, $500,000
LOS ANGELES, Cal. NW Ninth and Broadway.
Six or eight-story and basement Class A store and loft building, 115x165.
Owner—Eastern Outfitting Co.
Architect — Milwaukee Building Co., 315 Wright & Callender Bldg., Los Angeles.

Plans Being Prepared
OFFICE BLDG. Cost, $300,000
PHOENIX, Ariz. SW Second St. and Monroe Avenue.
Five-story and basement Class A store and office building, 100x98 (7 stores and 84 offices).
Owner—Dr. W. C. Ellis.
Architect — Milwaukee Bldg. Co., Wright & Callender Bldg., Los Angeles.

Contracts Awarded.
STORE BLDG Cost, $29,000
SAN FRANCISCO. SW Bush and Stockton Streets.
Two-story and mezzanine floor concrete store building.
Owner—Julius Goldstein.
Architect—W. H. Crim, Jr., 425 Kearny St., San Francisco.
Carpentry Work to Brutcher & Serna, 180 Jessie St., at $4,889.
Concrete Work to Chas. Sartorio, 2151 Filbert St., at $5,203.
Reinforcing Steel to Edw. L. Soule, Rialto Bldg., at $940.
Electric Work to Decker Electric Co., 149 New Montgomery St., at $770.
Tile Work to Ginsberg Tile Co., 1205 Sutter St., at $383.
Plumbing to Forster Co., 670 Howard St., at $888.
Roofing to Alta Roofing Co., 3048 16th St., at $208.
Sheet Metal Work to Morrison & Co., 769 McAllister Co., $187.
Excavating and Grading to Eureka Teaming Co., 180 Jessie St., $2,800.
Lathing and Plastering to John O'Connor, 180 Jessie St., at $2,643.
Painting to Fred Wagner, 65 Hoff St., at $220.
Copper Molds to Pacific Builders' Supply Co., 816 W 11th St., Los Angeles, at $375.

THEATRES

Contract Awarded.
GRANDSTAND Cost, $55,000
SACRAMENTO, Cal. Y Street and Riverside Blvd.
Grandstand.
Owner — C. L. Morling, Ochsner Bldg., Sacramento.
Architect—None.
Contractor—Ira C. Boss, 2615 K St., Sacramento.

Plans Being Figured.
ALTERING B. B. PARK Cost, $4,000
EMERYVILLE, Alameda Co., Cal. San Pablo Ave.
Altering baseball park (move boxes, install new entrances).
Owner—Oakland Baseball Park Association.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.

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BIDS WANTED FOR STATE HIGHWAY IMPROVEMENTS

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DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on January 30, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Santa Clara County, between San Felipe and Easterly Boundary (IV-SCl-32-B & C), about sixteen and eight-tenths (16.8) miles in length, to be graded.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated January 3, 1922.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

Job No. 10.

Office of the Secretary of the Board of Education of the City of Oakland.

Sealed bids will be received by the Acting Secretary of the Board of Education of the City of Oakland, at his office, Room 1104, City Hall, Oakland, California, **until Monday, the 30th day of January, 1922, at 3 o'clock P. M.** of said day, the day when said bids will be opened, for the erection and completion of New Buildings for the LOCKWOOD JUNIOR HIGH SCHOOL, of the Oakland School District and Oakland High School District, located at East 14th Street and 68th Avenue, Oakland, California.

Separate bids will be received for:

1 Excavation and concrete.
2 Brickwork.
3 Carpenter work, including Built-Up Roofing, Tile Roofing Miscellaneous Iron and Sheet Metal Work.
4 Lathing and Plastering.
5 Painting.
6 Steel Lockers.
7 Plumbing work.
8 Heating and Ventilating Work.
9 Electrical work.

Plans and specifications for said work are on file at the office of the Acting Secretary of the Board of Education, and at the office of the Chief of Construction, 357 12th Street, Oakland, California.

On a deposit of Twenty-five ($25) Dollars complete sets of said plans and specifications may be had by any prospective bidder. These may be retained for a period of ten (10) days by the Carpenter Contractors, and for a period of four (4) days by the other Contractors. If these plans and specifications are not returned within said period, or if they be mutilated, the said deposit may be retained by said School Districts as agreed and liquidated damages for said detention and mutilation.

Bids must be made on proposals obtained at the office of the Chief of Construction, and be signed by the bidder, accompanied by a certified check for at least ten (10%) per cent of the amount of the bid or proposal, certified to by some responsible bank or banker, and made payable to N. W. Cook, Acting Secretary of the Board of Education, to be retained by the said School Districts as agreed and liquidated damages should the party or parties to whom the contract should be awarded fail to enter into the contract after the award, or to give bonds required for the faithful performance of the contract, or any bond required by law.

Bids will be opened by the Board of said Districts on the 30th day of January, 1922, at the hour of 5 P. M., in the Board room, 211 2nd floor of said City Hall, in said City of Oakland. The Board reserves the right to reject any or all bids or any or all items of such bids.

N. W. COOK,
Acting Secretary of the Board of Education.

BIDS WANTED FOR WORK ON U. C. BUILDING

PROPOSAL FOR BIDS

SEALED BIDS will be received at the office of the Comptroller, University of California, Berkeley, California, at or before 9 A. M., Wednesday, January 25, 1922, for Tile and Brick Work, Exterior Cement Work, Carpentry Work, Interior Plastering Work, Cast and Wrought Metal Work, Metal Window Work, Glazing Work, Painting Work, Marble Work, and Terrazzo Work, for the Student Union Building on the grounds of the University of California at Berkeley.

Plans and specifications may be obtained at the office of John Galen Howard, Architect, 500 First National Bank Building, San Francisco, on deposit of $50 for each set of plans and specifications taken out, which deposit will be refunded on return of said plans and specifications in good condition and accompanied by a regular bid for the work. No bids will be considered unless accompanied by a certified check or bond in favor of the undersigned, equal to 10% of the bid, to secure execution of the contract by the successful bidder.

The right is reserved to reject any or all bids.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA.

BIDS WANTED FOR REPAIRS TO WHARVES

NOTICE TO CONTRACTORS

Office Constructing Quartermaster, Fort Mason, San Francisco, Calif., January 3, 1922. Sealed proposals, in triplicate, for making repairs to Wharves No. 2 and No. 3, Fort Mason, Calif., will be received **here until 11 A. M., January 14, 1922,** and then opened. Specifications, etc., furnished on application.

BIDS WANTED FOR GOVERNMENT BUILDING

Bureau of Yards and Docks, Navy Department, Washington. Bids are wanted until January 18, specification 1527 for constructing dispensary at the Marine Corps base, San Diego, Calif. Deposit for plans $30.

BIDS WANTED FOR MOVING BUILDING

PROPOSAL FOR BIDS

SEALED BIDS will be received at the office of the Comptroller, University of California, Berkeley, California, **at or before 9 A. M. Wednesday, January 11, 1922,** for the moving of East Hall on the grounds of the University of California at Berkeley.

Plans and specifications may be obtained at the office of John Galen Howard, Architect, 500 First National Bank Building, San Francisco, on deposit of $10.00 for each set of plans and specifications taken out, which deposit will be refunded on return of said plans and specifications in good condition. No bids will be considered unless accompanied by a certified check or bond in favor of the undersigned, equal to 10% of the bid, to secure execution of the contract by the successful bidder.

The right is reserved to reject any or all bids.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA.

BIDS WANTED FOR LAUNDRY AND HEATING PLANT

NOTICE TO BIDDERS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Board of Supervisors of Humboldt County, State of California, at the office of the clerk of said Board, at the Court House in the City of Eureka, said County and State, until Tuesday, January 10th, 1922 at two o'clock P. M., for the installing of a Laundry and Heating Plant in the New Tubercular Hospital of Humboldt County.

Plans and specifications for this work are on file in the office of said Clerk to which all bidders are hereby referred.

Each bid must be accompanied by cash or certified check in at least five per cent of the amount of the bid, as a guarantee of good faith and the Board reserves the right to reject any or all bids.

FRED M. KAY,
Clerk of the Board of Supervisors of Humboldt County, California.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **The California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on January 23, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Santa Barbara County, between Cuyama River and Buckhorn Creek (V-SB-57-A), about six and one-tenth (6.1) miles in length to be graded.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated December 27, 1921.

LODGE BUILDING BIDS WANTED

Bids will be received for the erection of a 2-story reinforced concrete building for the Dinuba Fraternal Hall Association, by the building committee, on and up to 8 o'clock on the 13th day of January, 1922, at the old lodge hall at corner of K and Tulare streets, Dinuba.

Plans and specifications for same can be had at the office of the architect, 143 North L street, Dinuba, upon the deposit of $50.00, which will be returned when plans and specifications are returned in good shape.

By order of
BUILDING COMMITTEE.

BIDS WANTED FOR SUB-STRUCTURE FOR TERMINAL

NOTICE TO CONTRACTORS

BOARD OF STATE HARBOR COMMISSIONERS, Union Depot and Ferry House, San Francisco, California, December 19, 1921.

Sealed proposals or bids will be received at this office at or prior to **11 o'clock A. M., on Thursday, January 12, 1922,** for furnishing material and constructing the sub-structure for the China Basin Terminal, on the waterfront of the City and County of San Francisco.

The materials to be used in this work shall consist of the requisite quantities of creosoted piles, steel rails and fittings and Portland cement (all of which will be furnished to the Contractor by the Board), sand fill, rock fill, eucalyptus piles, green piles, Douglas fir lumber, fine concrete aggregate, coarse concrete aggregate, reinforcing materials, castings, structural steel, rods, bolts, spikes, car springs, ties, asphalt, etc. Creosoted piles and Portland cement will be furnished to the Contractor by the Board; steel rails and fittings, including rail spikes, will be furnished and laid by the Board. Green piles shall be furnished by the Contractor, unless the Board elects to furnish them as provided for in the specifications and bids. All other materials shown on the plans or called for in the specifications shall be furnished by the Contractor. All materials used must be of the best of their respective kinds if not especially specified herein. All materials used in the structures will be subjected to a rigid examination and test, and if found defective, under size, unsuitable or not as specified, will be condemned and must be immediately removed from the work by the Contractor at his expense. Materials may be rejected at any time for defects which may be disclosed, or which may develop in the course of the work, notwithstanding any previous test or inspection; and removed by the Contractor as indicated above.

No bid will be received unless it is made on a blank form furnished from this office and is accompanied by a certified check for an amount equal to Five (5) per cent of the amount of the proposal, to be made payable to the Secretary of the Board, conditioned that if the proposal is accepted and the contract awarded, and if the bidder shall fail or neglect to execute a contract and give the bond required within Six (6) days after the award is made, in that case the said sum mentioned in said check shall be deemed liquidated damages for such failure and neglect and shall be paid into the San Francisco Harbor Improvement Fund.

The Contractor shall be required to give a bond unto the Board of State Harbor Commissioners for not less than one-half of the amount payable by the terms of the contract, with a Corporation, thereunto duly authorized by law and commonly known as a surety company, as surety (such surety company to be one of those approved by the State Board of Control, a list of these approved surety companies being on file in the Office of the Secretary), and conditioned for the faithful performance by the Contractor of all the terms and conditions of said contract according to the true intent and meaning thereof. Said bond shall also provide that if the Contractor, person, company or corporation to whom said contract is awarded fails to pay for any materials or supplies furnished for the performance of the work contracted to be done or for any work or labor done thereon of any kind, said surety will pay the same in an amount not exceeding the sum specified in said bond; and said bond shall also be made to inure to the benefits of material men, mechanics and laborers as provided by that certain act of the Legislature of the State of California, approved May 1, 1911 (Stats. 1911, p. 1422). Said bond must be acceptable to and approved by said Board both as to surety and form.

Bids will not be considered by the Board unless delivered to the Secretary or to the Assistant Secretary at the Office of the Secretary, Room No. 17, Union Depot and Ferry House, at or prior to 11 o'clock A. M., on **Thursday,** January 12, 1922, at which time and place the bids will be opened.

The Board reserves the right to reject any or all bids if deemed for the best interests of the State.

Bidders are invited to be present at the opening of the bids.

Plans and specifications of this work to be had at Room 18, Union Depot and Ferry House, upon depositing $20.00 for same, which will be returned on return of plans and specifications.

Bidders are requested to mark envelope containing bid:

"Bid for furnishing materials and constructing Sub-structure of China Basin Terminal."

JOHN H. McCALLUM,
HARRY H. COSGRIFF,
FREDERICK S. MOODY,
Board of State Harbor Commissioners.
FRANK G. WHITE,
Chief Engineer.
HILDA GOHRMAN
Secretary.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENTS

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on January 16, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Riverside County, between Whitewater and Edom (VII-Riv-26-D), about seventeen and six-tenths (17.6) miles in length, to be paved with either Portland cement concrete or asphalt concrete.

Riverside County, between Edom and Indio (VII-Riv-26-E), about eleven and five-tenths (11.5) miles in length, to be paved with either Portland cement concrete or asphalt concrete.

These two sections are contiguous to one another and bids for them may be submitted separately or jointly.

Plans may be seen and forms of proposals, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer
JOHN F. GALVIN
Secretary.

Dated December 19, 1921.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that the Board of Trustees of the Campbell-San Tomas Union Grammar School District, Santa Clara County, California, hereby calls for sealed proposals to be delivered to the Clerk of the Board of Trustees, at Campbell, California, **until the 25th day of January, 1922, at 8 P. M.,** of said day for the erection, construction and equipment of a Grammar School Building to be erected in the City of Campbell, all in accordance with plans and specifications made for the same by W. H. Weeks, the authorized Architect, employed by the Board.

Segregated bids on the portions of the work will be received as follows:

(1) Excavating and grading, concrete and mason work.
(2) Structural iron and steel.
(3) General contract work, including lumber, mill work and marble work.
(4) Fibrestone work.
(6) Glass and glazing.
(7) Finished hardware.
(8) Special furniture and fixtures.
(9) Lathing and plastering.
(10) Composition roofing.
(11) Terra cotta tile roofing.
(12) Electric work.
(13) Sheet metal work.
(14) Painting.
(15) Heating and ventilating.
(16) Window shades.
(17) Cork linoleum.
(18) Electric light fixtures.
(19) Program clock system.
(20) Stage equipment.

Plans and specifications may be seen at the office of the Board in Campbell between the hours of 9:00 A. M. and 3:00 P. M., any day except Saturday and Sunday and holidays; or at the office of the Architect, W. H. Weeks, 369 Pine St., San Francisco, California, during office hours.

On a deposit of Twenty-five Dollars ($25) a complete set of plans and specifications, or any portion of the work above segregated, may be had by any prospective bidder and retained until bids are opened. If not returned within said period, or if mutilated the said deposit may be retained by the said Grammar School District as agreed and liquidated damages for said mutilation or detention.

Bids must be made on proposal blanks obtained at the office of the Architect, and signed by bidder, accompanied by check for at least Ten Per Cent (10%) of amount bid, certified to by some responsible bank or banker and made payable to Chas. E. DeSelle, Clerk, Board of Trustees of the Campbell Union Grammar School District, to be retained by said Grammar School District as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award, or to give bonds for the faithful performance of the contract, or any bond required by law.

Bids will be opened by the Board of said Grammar School District on the 25th day of January, 1922, at the hour of 8:00 P. M. in [illegible]. The Board reserves the right to reject any or all bids, or any or all items of such bids.

Dated at Campbell, California, December 22, 1921.

CHAS. E. DeSELLE,
Clerk of the Board of Trustees of the Campbell-San Tomas Union Grammar School of Santa Clara County.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

The Board of Trustees of the Riverview Union School District, Reedley, California, will receive sealed bids **on or before 2 o'clock P. M., Saturday, January 14, 1922**, at Riverside Grammar School Building, near Reedley, California, at which time and place said bids will be opened and read in public, for furnishing the required labor and materials for, and erecting and completing the proposed new Grammar School Building, in accordance with plans and specifications prepared therefor by Anton Johnson, architect, of Kingsburg, California. Bids will be received separately for the different segregated contracts as follows:

Contract No. 1—For the Excavating, Concrete, Carpenter Work, Millwork, etc.

Contract No. 2—For Masonry and Hollow Tile Work.

Contract No. 3—For Tile Roofing.

Contract No. 4—For all Sheet Metal Work.

Contract No. 5—For Lathing and Plastering.

Contract No. 6—For Furnishing and Placing of Blackboards.

Contract No. 7—For the Painting.

Contract No. 8—For the Plumbing and Sewering.

Contract No. 9—For Electrical Work.

Contract No. 10—For the Heating and Ventilating.

Certified check or bidder's bond, for an amount not less than ten per cent (10%) of the amount of the bid should accompany each proposal, made payable to the order of Mr. J. R. McCahill, Clerk of the Riverview Grammar School District, as a guarantee that the bidder will, within ten (10) days after being notified of the acceptance of his bid, enter into a contract with said Grammar School Board in accordance therewith, and shall furnish bonds as required by the specifications. Said check or bond to be forfeited to the said Grammar School District, should the bidder refuse to execute contract and furnish bond as above mentioned.

Plans and specifications for all the above work may be seen in the office of Anton Johnson, Architect, Kingsburg, California.

A deposit of $10 will be required from all contractors receiving plans. Said deposit will be refunded when plans and specifications are returned in good condition.

The Board reserves the right to reject any or all bids received.

By order of the Board of Trustees, Riverview Grammar School District, Reedley, Calif., by Mr. J. R. McCahill, Clerk of the Board of Trustees of the Riverview Union School District.

Dated: December 27th, 1921.

BIDS WANTED FOR TESTING LABORATORY BUILDING

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on January 9th, 1922**, at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made.

A testing laboratory building in the City of Sacramento, California.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated December 12, 1921.

BIDS WANTED FOR STEAM HEATING SYSTEM

NOTICE TO BIDDERS

Notice is hereby given that the Board of Education of the Petaluma City High School District will receive sealed bids for the installation of a steam heating system, ventilation and fuel oil equipment for Petaluma Junior High School and Gymnasium Buildings to be erected on the lands recently purchased for that purpose, according to the plans and specifications prepared by Brainerd Jones, architect, and Albert A. Coddington, Consulting Engineer, and a copy of which can be procured at the said office of the said architect in the City of Petaluma, upon depositing with the said architect the sum of $15.00 (fifteen dollars), which said sum will be returned upon the return of the said plans and specifications within two weeks.

Each bid shall be accompanied by a certified check equal to ten per cent of the amount bid, to be forfeited if such bid is accepted and such a bidder shall fail to enter into a contract for the construction of said system, within 10 days after acceptance of such bid.

Said sealed bids will be received **up to eight o'clock P. M., of the 10th day of January, 1922**, at which time said bids will be opened at a meeting of the Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California, in the City Hall in the City of Petaluma.

The said Petaluma City High School District (as owners) reserve the right to reject any or all bids.

All bids must be addressed to P. J. Blim, Secretary of the Board of Education of Petaluma City High School District Petaluma, Sonoma County, California.

By order of the Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California.

P.J. BLIM, Secretary.

NOTICE TO CONTRACTORS

KLAMATH RIVER ROAD—TEE BAR SECTION

(15 miles above Somes Bar, Cal.)

SEALED PROPOSALS for constructing the above-named section of the National Forest Road Project located within the Klamath National Forest, County of Siskiyou, State of California, will be received by the District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, at 881 Mills Building, San Francisco, California, until 2 o'clock P. M., on the 24th day of January, 1922, at which time and place they will be publicly opened and read. The right is reserved to reject any and all bids, and none will be considered except those from contractors ascertained to be experienced and responsible.

The length of the project to be constructed is approximately 3.4 miles and the principal items of work are approximately as follows:

Clearing .....145 sta.
Excavation unclassified 40,000 cu. yds.
Log cribbing .....2,640 sq. ft.
Timber bridging .....335 lin. ft.
Corrugated metal pipe culverts .....1,622 lin. ft.

The work embraced in this contract shall be started within ten days after notice of signing of contract by the Secretary of Agriculture has been given the contractor by the District Engineer, and shall be completed within 75 weather-working days after said notice has been given.

The contract form and the maps, plans, specifications, and estimate of quantities may be examined by responsible contractors at the following addresses:

881 Mills Building, San Francisco, California. After Dec. 25, 1921, Guy McMurtry, Somes Bar, California. After Jan. 1, 1922, J. E. Jensen, Happy Camp, California.

The Bureau of Public Roads will, if desired, furnish the successful bidder for use in constructing this road, 2-ton trucks, fresnoes, an air compressor, and other available equipment at the prices an on the terms set forth in the Special Provisions of the Specifications.

All proposals must be made on forms furnished by the **District Engineer**, Bureau of Public Roads, and in accordance with the instructions forming a part of the Specifications above referred to.

C. H. SWEETSER,
District Engineer.

December 20, 1921.

BIDS WANTED FOR PROGRAM CLOCK SYSTEM

NOTICE TO BIDDERS

Notice is hereby given that the Board of Education of the Petaluma City High School District will receive sealed bids for the installation of a complete Program Clock and Bell System for Petaluma Junior High School and Gymnasium Buildings according to the plans and specifications prepared by Brainerd Jones, architect, a copy of which can be procured at the said office of the said architect in the City of Petaluma. Each bid shall be accompanied by a certified check equal to ten per cent of the amount bid, to be forfeited if such bid is accepted and such bidder shall fail to enter into a contract for the construction of said system within 10 days after acceptance of such bid.

Said sealed bids will be received **up to eight o'clock P. M. of the 10th day of January, 1922**, at which time said bids will be opened at a meeting of the Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California, in the City Hall in the City of Petaluma.

The said Board of Education of Petaluma City High School District reserves the right to reject any or all bids.

All bids to be addressed to P. J. Blim, Secretary of the Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California. By order of the said Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California.

P. J. BLIM,
Secretary.

PAPERS FEATURE CIVIL ENGINEERS' PROGRAM

A tentative program for the sixty-ninth annual meeting of the American Society of Civil Engineers, to be held in New York City, January 18-21, 1922, includes a number of interesting sessions with papers and addresses of value to the members. The opening business meeting on Wednesday morning will include the annual reports of the officers, the election of new officers for the ensuing year and honorary memberships conferred, with formal appropriate ceremonies. Following the luncheon on that day there will be excursions to engineering work, motion picture studios, etc., and in the evening there will be a reception for the newly elected president.

There will be a conference on National Transportation Problems on Thursday, when water transportation and railroad transportation will come in for a good portion of the discussions. A smoker will be a feature of that evening.

On Friday highway transportation will be featured.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

TACOMA, Wash.—A rough tabulation of bids received for erecting pier for Port of Tacoma indicate Grant Smith Co., 625 Railway Exchange Bldg., Portland, Ore., low bidder at approximately $548,947. A. Quest, Seattle, next low at approximately $553,077. Both bids were based on the use of concrete piles while alternate bids for "Gunite" piles were higher. Other bidders were: J. E. Bonnell, Tacoma, Wn.; Tacoma Dredging Co., bidding in conjunction with Hurley-Mason Co. of Portland and Tacoma, also A. Guthrie of Portland.

LOS ANGELES, Calif.—United Dredging Co., Central Bldg., awarded contract for dredging in the east and west basins at Los Angeles harbor, involving about 2,060,000 cu. yds. The contract amounts to about $243,904. Award is conditional on approval by city attorney, the bid accepted being a combination bid.

MERCED, Merced Co., Cal.—Merced Concrete Pipe Co., awarded contract by supervisors to construct reinforced concrete bridge 85 at $1,890; reinforced concrete bridge 87, at $1,812. Other bids: C. J. Droesch, Merced, No. 87, $1,890; No. 85, $1,916. E. K. Angle, Dos Palos, No. 85, $2,400; No. 87, $2,400. A. E. Cowell, county surveyor.

SAN JOSE, Santa Clara Co., Cal.—Wm. Martin, $1,011, awarded contract by Supervisors to construct reinforced concrete culvert in Middlefield road, Sup. District No. 5. Other bids: John Franco, $1,295; W. S. Dow, $1,260. Estimate, $1,173. Irving Ryder, county surveyor.

SAN JOSE, Santa Clara Co., Cal.—County Surveyor Irving Ryder is preparing plans for reinforced concrete bridge on Stevens Creek road over Stevens creek.

ANAHEIM, Cal.—At a mass meeting of property owners it was decided to build a levee 1½ miles long to protect the orange groves north and east of Anaheim from floods in Santa Ana river. A plans proposed by Chas. Eygabroad was adopted. This calls for a double row of piling on the west bank of the river spaced 8 ft. apart with wire fencing from top to 6 ft. below ground. The levee back of this would be 30 ft. wide at bottom and 8 ft. at top; the top and river side of the levee to be oiled. Estimate cost, $35,000. It is proposed to raise the money by private subscription.

SANTA JOSE, Santa Clara Co., Cal.—Wm. Martin, at $1,924, awarded contract by Supervisors to construct reinforced concrete abutments for a bridge on Thomas road over Carnadero creek in Sup. District No. 1. Only other bidder: W. S. Dow, $2,825. Estimate, $2,164. Irving Ryder, county surveyor.

STOCKTON, San Joaquin Co., Cal.—J. R. Johnson, 903 Commercial and Savings Bank Bldg., Stockton, at $3,459 awarded contract by the Supervisors to construct Little John Creek 70 ft. steel truss poney bridge in Stanley avenue. Other bidders: Davidson & Nicholson, 180 Jessie St., San Francisco $4,700; Jenkins & Elton, 3560 Y St., Sacramento, $4,080; Osee A. Reed, $3,948. Engineer's estimate, $3,460. F. E. Quail, County Surveyor.

MERCED, Merced Co., Cal.—R. C. Starr of Fresno, builder of the Kerchoff dam and power plant for the San Joaquin Light & Power Co., has been selected as engineer for the Merced Irrigation District which proposes to construct dam and power plant on Merced river at Exchequer.

LIVE OAK, Sutter Co., Cal.—Snake River Drainage District will call bids for various improvements in the district when plans for the work have been approved by the State Reclamation Board.

RED BLUFF, Tehama Co., Cal.—City Engineer W. F. Luning will prepare plans for a girder or arch type bridge to span Brickyard creek.

FRESNO, Fresno Co., Cal.—C. H. Gildersleeve, Fresno, at $762.75 awarded contract by the Supervisors to construct culvert in Modoc avenue, Road District No. 1, involving 27.0 cu. yds. concrete and 1850 lbs. reinforcing steel. Other bids: Fisher & McNulty, $915; S. L. Enloe, $1,094; E. C. Smallin & I. A. Thompson, $1,000. Engineer's estimate, $840. Chris. P. Jensen, County Surveyor.

IRRIGATION PROJECTS

TURLOCK, Stanislaus Co., Cal.—Directors of Turlock and Modesto Irrigation District, acting jointly, reject bids for furnishing and delivering reinforced steel bars for Don Pedro Dam Project. Material will probably be purchased in open market.

TURLOCK, Stanislaus Co., Cal.—Old Mission Portland Cement Co., Mills Bldg., San Francisco, awarded contract by Modesto and Turlock Irrigation Districts, acting jontly, for furnishing and delivering 100,000 barrels of cement on bid as follows: $3.38 per bbl. f. o. b. Don Pedro; $2.19 bbl. f. o. b. factory, San Juan, Calif.

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SACRAMENTO, Cal.—Revised plans for irrigation improvement in Reclamation District No. 108 have been approved by State Reclamation Board. Plans call for an expenditure of approximately $3,000,000.

Plans for constructing pumping plant 3 miles south of the M St. bridge, Sacramento, in District 900 and in District 307 near Freeport and 7 miles north of Colusa were also approved as was an application to revet the Sacramento river levee at Arnold Bend near Colusa to prevent erosion.

ANDERSON, Shasta Co., Cal.—Anderson-Cottonwood Irrigation District awards contract to L. Arnett and N. Stewart for digging 2600-ft. of drain ditch on T. J. McCabe place; J. W. Owens and Alex. Clarke awarded contract for excavating and back filling syphon, 300-ft. of Lateral 37, north of Cottonwood, also for similar improvements at Lateral No. 41. Thos. Anderson is superintendent of construction in the district.

OLINDA, Shasta Co., Calif.—Happy Valley Irrigation District receiving bids for enlarging main canal from Hoover Creek to district to carry 5,000 inches of water. Bids will be opened January 30.

LOS BANOS, Merced Co., Calif.—Agreement has been made whereby an irrigation district will be formed to include all lands on west side of San Joaquin valley; approx. 500,000 acres. Agreement reached between small land owners and Miller and Lux representatives. It is said preliminaries have been completed whereby California Edison Co., will construct dam without cost to district.

MERCED, Merced Co., Calif.—Merced Irrigation District sells $3,120,000 worth of bonds for premium of $102,336; proceeds of sale to finance construction in district.

LIGHTING SYSTEMS

MARTINEZ, Contra Costa Co., Cal.—Organization of the Oakley Lighting District was perfected at a recent election. Bids will be asked by supervisors for installing lights in the district. R. R. Arnold, county engineer.

REDWOOD CITY, San Mateo Co., Cal.—H. C. Reid Co., 115 Mission St., San Francisco, at $14,848.25 awarded contract by trustees to install electrolier lighting system involving 9,600 lin. ft. 1¼-in. conduit and 9,600 lin. ft. 2-in. conduit cable; 53 electroliers. Other bidders: Watts Electric Co., 133 4th St., San Francisco, $16,608.25; The Turner Co., 272 Natoma St., San Francisco, $14,950.51. C. L. Dimmitt, city engineer.

MERCED, Merced Co., Cal.—City Trustees adopt revised specifications for proposed electrolier system. 435 standards will be installed in the main residence and business district extending from 16th street to the Santa Fe, and from G to P streets. C. D. Martin, City Engineer.

MACHINERY

PORTLAND, Ore. — Public Dock Commission, foot of Stark St., receive bids up to Jan. 26, for furnishing and delivering one 20-ton locomotive crane. Bids will be based on flat cash consideration or on taking the present 40-ton locomotive crane at Municipal Terminal No. 4, in part payment.

MONROVIA, Cal.—Los Angeles Mfg. Co. submitted lowest bid for about 3200 ft. rivited steel pipe, 10 and 8-in. Bids taken under advisement.

SACRAMENTO, Cal.—W. E. Baxter, Los Angeles, at $6,500 awarded contract by City Commissioners to furnish and deliver two street sweeping machines. Albert Givan, City Engineer.

LOS ANGELES, Cal.—Until 3 P. M., Jan. 13, bids will be received by Board of Public Service, 207 S. Broadway, for bronze water meter connections. Spec. No. 593. Jas. P. Vroman, secretary.

REDWOOD CITY, San Mateo Co., Calif.—Pratt & Cady, Inc., 186-2nd st., San Francisco, at $354.02 awarded (informal) contract by trustees to furnish gate valves for new water pipe system. Crane Co., bid $385.50. C. L. Dimmitt, city engineer.

FRESNO, Fresno Co., Cal.—Geo. L. Hoxie, former city and county engineer, announces plans for the organization of the Fresno Pine and Reward Lumber Company, which will be capitalized at $2,000,000, for the purpose of taking over the present Sanger Lumber Company's entire holdings, including the mills and forests back of Hume.

OAKLAND, Cal. — Robertson Shipbuilding Co., north end of Grand St., Alameda, awarded contract by Golden Gate Ferry Company to build auto ferry boat costing $350,000. Will be 324-ft. long with 60-ft. beam, carrying capacity, 85 autos. Will be electrically driven, power supplied by 225-horsepower Diesel engines. Contract for machinery installation let to Skandia-Pacific Oil Engine Co., 2896 Glascock St., Oakland. After completion of this boat company plans to let a contract for another of the same type.

RAILROADS

SAN FRANCISCO—L. M. Hoefler, Claus Spreckels Bldg., heads a committee which proposes to reconstruct the old Ocean Shore Railroad from San Francisco to Pescadero. Estimated cost, $1,000,000. Others interested in the project are John Lee Jr., of Palo Alto and Edwin W. Moore, an Eastern engineer.

SAN FRANCISCO—Following bids received by Board of Public Works for furnishing and delivering materials for use on Municipal Railway Extensions, under Contract No. 127:

Payne Holt Works, Howard and Main Sts., 3,000 tie rods, 7/8" x 5' ½", 38c each.

Eccles & Smith, 71 First St., 200 kegs spikes 9/16" x 5½", $3.53 per 100 lbs. 30,000 tie plates, 18½c each.

U. S. Steel Products Co., Rialto Bldg. Steel Rail Section L-206-422; $61 a ton.

Steel Rail Section L-129-461, $78 a ton.

Standard joint plates without bolts and nuts for said Section L-106-422, $3.60 per 100 lbs.

Compromise joint plates with bolts and nuts for connecting rail Section 70# A. S. C. E. to Lor. Section 106-422, either right or left hand, $28 a pair.

Compromise joint plates with bolts and nuts for connecting rail section Penn. 85-201 to Lor. Section 106-422, either right or left hand, $11.25 pr.

Compromise joint plates, with bolts and nuts for connecting rail Section Lor. 109-340 to Lor. Section 106-422, either right or left hand, $11.25 pr.

Compromise joint plates with bolts and nuts for connecting rail Section Lorain 81378 to Lor. Section 106-422, either right or left hand, $25 pair.

Compromise joint plates, with bolts and nuts for connecting rail section Penn. 107-254 to Lor. Sec. 106-422, either right or left hand, $11.25 pr.

Bolts 1-in. in dia. 4¼-in. long with nuts for standard point plates for rail section Lor. 106-422, $4.80 per 100 lbs.

Bolts 1-in. dia. 4¼-in. long, Manufacturers' Specifications, with nuts for standard joint plates for rail section L-106-422, $4.31 per 100 lbs.

Brace tie plates to fit under guard of rail Section Lor. 129-461, 17c each.

All above under Section A—Under Section B follows:

200 kegs 9/16 x 5½-in. spikes, $3.25 per 100 lbs.

30,000 tie plates, 17c each.

3,000 tie rods 7/8-in. x 5½", 47c each.

Bids referred to City Engineer M. M. O'Shaughnessy for report.

HOLBROOK, Ariz.—The Apache Ry. Co. has asked the Interstate Commerce Commission for authority to issue 455,000 in notes and additional stock to build a line 73 miles long between Holbrook and Cooley in Arizona.

FIRE EQUIPMENT

HANFORD, Kings Co., Calif.—Seagrave Co. of San Francisco, at $9,500, awarded contract to furnish one dual combined hose and chemical fire truck.

REDWOOD CITY, San Mateo Co., Calif.—Following bids taken under advisement by trustees for fur. and del. triple combination pumping and chemical engine for Fire Department: Ahern-Fox Fire Engine Co., $12,840; Stutz Fire Engine Company $13,000; Seagrave Company $13,000; American La France Fire Engine Company $13,000. C. L. Dimmitt, city engineer.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

NEWMAN, Stanislaus Co., Cal.—Until Jan. 24, 8 P. M., bids will be received by city trustees for improving ten blocks of streets; estimated cost, $146,286.83; involving: 261,741 sq. ft. paving 3-in. black base, 1½-in. Warrenite; 132,753 sq. ft. paving 3½-in. black base 1½-in. Warrenite; 432,842 sq. ft. grading; 8186 lin. ft. combined curb and gutter; 2519 lin. ft. gutter, 882 lin. ft. curb; 648 lin. ft. 24", 696 lin. ft. 20", and 540 lin. ft. 16" culvert; 19, 24" and 16, 27" manhole covers and seats, 8100 lin. ft. headers; 2410 sq. ft. 6" cement concrete pavement alley approaches; 162 sq. ft. 6" cement concrete drive; 20130 sq. ft. 4" concrete sidewalk, 16, 4-ft. and 2, 6-ft. gutter bridges, 2440 lin. ft. 1" and 564 lin. ft. 1½" electric conduit. Concrete cleanout, boxes are included in total length of culverts. Plans may be had from engineer on deposit of $7. W. R. Sherman, town engineer.

CALIFORNIA—Following are the approximate quantities for state highway projects, bids for which will be opened Jan. 16, 2 P. M.

Riverside County, between Whitewater and Edom, about 17.6 mi. paved with either Portland cement concrete or asphalt concrete.

(1) 73,000 cu. yds. excavation without classification; (2) 24,120 cu. yds. class A conc. (pavement and fords); (3) 185 cu. yds. class A conc. (culverts and monuments; (4) 120 lin. ft. 18", and (5) 244 lin. ft. 24" reinforced conc. pipe; (6) 1,272 lin. ft. guard rail; (7) 228 monuments. Alternate items, (8) 46,200 tons asphalt conc. mixture (pavement); (9) 250 cu. yds. class A Portland cement conc. (fords).

Alternate items 8 and 9 together are to be considered as alternative for item 2.

Commission will furnish rein. steel, rein. conc. pipe, cement, coarse aggregate for conc. and coarse aggregate, stone dust and asph. cement for asph. conc.

Riverside County, between Edom and Indio, 11.5 mi., paved with either Portland cement conc. or asph. conc:

(1) 70,500 cu. yds. excavation without classification; (2) 15,500 cu. yds. class A conc. (pavement); (3) 15 cu. yds. class A conc. (culverts and monuments); (4) 150 lin. ft. 18", and (5) 60 lin. ft. 24" rein. conc. pipe; (6) 264 lin. ft. guard rail; (7) 133 monuments. Alternative item, (8) 29,900 tons asph. conc. mixture (pavement);.

Alternate item 8 is to be considered as alternative for item 2.

Commission will furnish rein. steel, rein. conc. pipe, cement, coarse aggregate for conc. and coarse aggregate, stone and dust asph. cement for asph. conc.

Riverside County, between Whitewater and Indio, 29.1 mi., paved with either Portland cement conc. or asph. conc.;

(1) 143,500 cu. yds. excavation without classification; (2) 39,620 cu. yds. class A conc. (pavement and fords); (3) 200 cu. yds. class A conc. (culverts and monuments); (4) 270 lin. ft. 18", and (5) 304 lin. ft. 24" rein. conc. pipe; (6) 1,536 lin. ft. guard rail; (7) 361 monuments. Alternative items, (8) 76,100 tons asph. conc. mixture (pavement); (9) 250 cu. yds. class A Portland cement conc. (fords).

Alternative items 8 and 9 together are to be considered as alternative for item 2 and may be employed in lieu thereof if the Commission shall so elect.

Commission will furnish rein. steel, rein. conc. pipe, cement, coarse aggregate for conc. and coarse aggregate, stone dust and asph. cement for asph. conc.

BERKELEY, Alameda Co., Cal.—Hutchinson Co., 444 17th St., Oakland, awarded contract to improve Northside Ave., from Gilman to point 220.81 southerly, r. w. curbs, concrete gutters, macadamizing and surfacing with asphaltic road oil. C. L. Huggins, City Engineer.

SAN BRUNO, San Mateo Co., Cal.—Trustees planning paving of streets in Third Addition, Huntington Park, along State Highway from San Felipe Ave., to Uncle Tom's Cabin and in the First and Jenevein Additions. Will consist of curbs and sidewalks, sidewalk widening and paving from curb to curb.

EL CERRITO, Contra Costa Co., Cal.—Until Jan. 19, 8:30 P. M., bids will be received by Alice Morris, City Clerk, for paving with 2-course oil macadam portions of Elm St. and Eureka Ave., involving 2,712 cu. yds. grading; 440 cu. yds. fill, 11,612 sq. ft. concrete gutter and 1,769 lin. ft. concrete curb; 65,609 sq. ft. 2-course oil macadam pavement; 266 lin. ft. 6½x20 and 60 lin. ft. 21-in. corrugated culvert; 2 concrete inlets. Estimated cost, $20,000. W. S. Farley, Town Engineer.

CARSON CITY, Nevada—George W. Borden has been named Chief Engineer of the Nevada State Highway Commission to fill the vacancy caused through the resignation of C. C. Cottrell now with the California Automobile Association.

FRESNO, Fresno Co., Cal.—Until Jan. 12, 3.30 P. M., bids will be received by R. Y. St. George, city clerk, for improving South Van Ness Ave., from Van Ness to California Ave.; regrading, constructing concrete curbs, gutters and sidewalks, corrugated culverts; 3½-in. asphaltic concrete pavement with 1½-in. Warrenite-Bitulithic surface. Wm. Stranahan, city engineer.

PHOENIX, Ariz.—Borderland Construction Co., Phoenix, awarded contract Dec. 28, on bids opened Nov. 21, for improvement work in University Manor Tr. at $53,608.10, involving 26,035 cu. yds. grading at 55c yd.; 12,363 ft. curb at 90c ft.; 48,125 sq. ft. sidewalk at 26c ft.; 3188 cu. yds. trench excavating at $2.20 yd.; 280 ft. 3-in. corrugated pipe at $5.50 ft.; 20 cu. yds. C concrete at $27.50 yd. and incidental items.

WALLA WALLA, Wash.—Bids received by City Commissioners for constructing approximately 2 miles of 24-in. steel pipe for water works improvements rejected and new bids will be opened January 9, 10 A. M. A brief review of the bids received follow:

Brown Bros., Spokane, $34,875.

Coast Culvert & Flume Co., Portland—Four bids, ranging from $29,700 to $34,987.50.

King Bros, Portland—Six bids, ranging from $29,622 to $39,016.

Petroleum Iron Works, Sharon, Pa., $68,490.

R. D. Wood & Co., San Francisco, (cast iron pipe), $83,250.

Hydraulic Supply Mfg. Co., Seattle,—Two bids, $43,087.50 and $45,562.50.

U. S. Cast Iron & Foundry Co., San Francisco, (cast iron pipe)—Two bids, $61,987.50 and $66,937.50.

Willamette Iron & Steel Co., Portland, Ore.—Four bids, ranging from $41,625 to $50,062.50.

Western Pipe & Steel Co., San Francisco, Cal.—Five bids ranging from $31,950 to $38,925.

Western Engineering Co., Seattle—Two bids, $36,112.50 and $40,050.

Portland Brazing & Machine Co., Portland, $54,112.50.

Crane Company, Spokane (Mathewson pipe)—Three bids ranging from $77,828.66 to $88,063.08.

Bids on iron fittings were made by all these firms, the bids ranging from $3378 to $7875.

SAN JOSE, Santa Clara Co., Cal.—City Council, John J. Lynch, Clerk, declares intention to improve 11th street, between San Salvador and William; regrading, 3-in. asphaltic concrete base with 1½-in. Warrenite-Bitulithic wearing surface, concrete sidewalks, 3 brick catchbasins. Improvement Bond Act 1915. Wm. Pop, City Engineer.

VENTURA, Ventura Co., Cal.—Until 11:30 A. M., Jan. 25, bids will be received by the Supervisors for grading and paving Ventura road from north to south city limits of Oxnard, involving 1979 cu. yds. excavation, 7885 lin. ft. shaping, 126,160 sq. ft. 5-in. macadamized pavement, 62 ft. 18-in. and 18 ft. 24-in. corrugated iron pipe, and 36 ft. 24-in. and 56 ft. 21-in. corrugated iron pipe to be removed and delivered to county. L. E. Hallowell, County Clerk. Chas. Petit, County Surveyor.

EL PASO, Tex.—Street paving, sewer and water works extensions are provided for in addition to schools in a bond issue for $1,850,000, which carried at a special election.

FRESNO, Fresno Co., Cal.—City Council, R. Y. St. George, clerk, declares intention to improve Olive Ave. from east end line of Blackstone; grading, concrete curbs, gutters and sidewalks; corrugated culverts; paved with 3½-in. asphaltic concrete base with 1½-in. asphaltic concrete top and a liquid asphalt and rock screening surface coat. Imp. Act 1911. Protests Jan. 19. Wm. Stranahan, city engineer.

SAN BERNARDINO, Cal.—Council declares intention to improve Rialto Ave. between E St. and Mt. Vernon Ave. by grading and paving with 4-in. cement concrete with oil and rock screenings surface and constructing curb; and G St. between Rialto Ave. and 325 ft. south by paving with 4-in. cement concrete with oil and rock screenings surface. 1911 Act.

GLENDALE, Cal.—Cornwell & Henderson, 127 S Glendale Ave., awarded contract at $24,102.10 for grading and oil surfacing Chester, Concord, State, Milford, Doran and other streets. Other bids: Fleming Construction Co., Pomona, $24,569; Peter L. Ferry, $27,891.

ALHAMBRA, Los Angeles Co., Cal.—Until Jan. 16 bids will be received at the City Hall for constructing 5250 sq. ft. sidewalk and 1156 ft. curb. The date for opening bids was previously reported as January 17. Plans and specifications on file at the office of the City Engineer. R. C. Farmer, Street Superintendent.

MODESTO, Stanislaus Co., Cal.—City Council, L. A. Love, Clerk, declares intention to improve James St., between Jennie and Spencer; grading, paving with 2-in. asphaltic concrete base with 1½-in. Warrenite-Bitulithic surface, concrete curbs and gutters. Improvement Act 1911. Protests Jan. 25. Geo. Freitas, City Engineer.

VENICE, Cal.—R. N. Nikcevich, 652 N. Broadway, Los Angeles, was awarded contract for constructing sewers in Lincoln Blvd. and other streets at $1.32 ft. for 10-in., $1.04 for 8-in. and 98c for 6-in. vitrified pipe, $72 each for manholes and $98 each for flushing manholes. B. D. Zaich bid $2.35 for 10-in., $2.05 for 8-in. and $1 for 6-in. pipe, $75 for manholes and $100 for flushing manholes. John Sutalo submitted lump sum bid at $14,130.

RICHMOND, Contra Costa Co., Cal.—Engineer Ross L. Calfee, 221 So. 22nd St., Richmond, has been named engineer for the San Pablo Sanitary District, recently organized, and which proposes to build a sewer in the section between Wildcat creek and the north city limits of Richmond. Estimates of cost, etc., will be submitted within one month.

BANNING, Riverside Co., Cal.—Council declares intention to improve Ramsey St. and San Gorgonio Ave., about a mile in length, by constructing 6-in. cement concrete pavement and curb. 1911 Act. Paul E. Kressly, H. W. Hellman Bldg., Los Angeles, engineer.

SACRAMENTO, Cal.—City Council declares intention to improve alley betw. Portola Way, 5th Ave., 27th St. and Franklin Blvd., consisting of 3 concrete catchbasins, 1 concrete manhole, grading and paving with 5-in. hydraulic concrete.

Intention declared to improve alley between L and M, 8th and 9th streets, 1 concrete catchbasin, reconstructing 2 concrete catchbasins, concrete retaining wall, grading and paving with 5-in. hydraulic concrete. Albert Givan, City Engineer.

PHOENIX, Ariz.—On or before Jan. 15, the Maricopa County Highway Commission will advertise for bids on the remaining portion of Maricopa County's highway program, consisting of about 160 miles. Bids will be asked on asphaltic concrete bitulithic and cement concrete types, and it is hoped to let a contract by February 1. Maricopa county's $4,500,000 bond issue sold for $4,800,150, which amount is available for the completion of the program.

BAKERSFIELD, Kern Co., Cal.—Until Jan. 16, 5 P. M., bids will be received by V. Van Riper, City Clerk, for improving Street District No. 82 regrading and repaving with 6-in. concrete.

BAKERSFIELD, Kern Co., Cal.—Council, V. Van Riper, City Clerk, declares intention to construct 6 and 8-in vitrified sewers in Sewer District No. 46. Improvement Act 1911.

MODESTO, Stanislaus Co., Cal.—Until Jan. 11, 8 P. M., bids will be received by L. A. Love, city clerk, for improving 6th St., between I and K Sts., grading, paving with 4-in. cement concrete base with 1½-in. bitulithic surface, concrete curbs and gutters. Improvement Bond Act 1915. Geo. Freitas, city engineer.

CALIFORNIA—J. F. Galvin has resigned as secretary for the State Highway Commission to become a member of the State Civil Service Commission.

STOCKTON, San Joaquin Co., Cal.—Clark & Henery Construction Co., 38 South Sutter St., Stockton, at $28,795.17 awarded contract by Council to improve East St., from Main to Fremont, involving, 1,663 cu. yds. cut; 471 cu. yds. fill; 3,029.30 lin. ft. curbs and gutters; 10,282.83 sq. ft. sidewalks; 86,808.63 sq. ft. 2½-in. cement gravel base with 4½-in. asphaltic concrete wearing surface laid in one course. W. B. Hogan, City Engineer.

LOS ANGELES, Cal.—Geo. H. Oswald, 366 E 58th St., Los Angeles, submitted low bid to Board of Public Works, at about $77,732.56 for improving York Blvd. between Pasadena Ave. and Ave. 56. Fairchild-Gilmore-Wilton Co. bid about $83,548.21 and Geo. R. Curtis about $88,868.79. Project involves: 220,058 sq. ft. grading; 220,058 sq. ft. paving with 5-in. concrete base, 1-in. binder course and 2-in. asphaltic surface; 269 sq. ft. concrete paving, grading, 178 sq. ft. sidewalk, 81 ft. curb, 8846 sq. ft. concrete gutters, house connecting sewers, etc.

SAN JOSE, Santa Clara Co., Cal.—County Surveyor Irving Ryder, instructed to prepare plans for improving Murphy Ave. and Hamline St.

MARTINEZ, Contra Costa Co., Cal.—Steps are being taken to form water district to include sections of Contra Costa County and possibly a section of Alameda county. R. R. Arnold, Contra Costa County surveyor.

OROVILLE, Butte Co., Cal.—Until Jan. 24, 2 P. M., bids will be received by C. F. Belding, county clerk, for paving with asphalt macadam 6.47 miles of Cohasset-Richardson Springs road. Harry H. Hume, county road engineer.

CALIFORNIA—Until Jan. 30, 2 P. M., bids will be received by State Highway Commission, Forum Bldg., Sacramento, for grading 16.8 miles of highway in Santa Clara county between San Felipe and Easterly boundary. **See call for bids under official proposal column in this issue.**

LOS ANGELES, Cal.—Warren Construction Co., 926 California Bldg., awarded the contract at $43,072.30, for improving Centre St. between 7th and 18th Sts. by grading and paving with Warrenite-bitulithic and cement concrete and constructing cement curb, sidewalk, gutter and house connecting sewers. Engineer's estimate, $42,365.04

REEDLEY, Fresno Co., Cal.—Federal Construction Co., Call Bldg., San Francisco, awarded contract by Southern Pacific to grade and pave between tracks and 2-ft. outside of same in portions of 8th and 13th streets; grading, 5c sq. ft.; paving, 26c sq. ft.

MARTINEZ, Contra Costa Co., Cal.—Supervisors order bids received for constructing 7 miles of highway in San Pablo canyon, the last link of county highway system; estimated cost, $178,500. R. R. Arnold, county surveyor.

STOCKTON, San Joaquin Co., Cal.—Moreing Bros., Commercial and Savings Bank Bldg., Stockton, at $80,925.92 submit only bid to council for improving streets in Lakepark Addition, involving 8,764 cu. yds. excavation; 1,401 cu. yds. embankment; 16,124.21 lin. ft. curb and gutter; 76,655.35 sq. ft. sidewalk; 293,145.61 sq. ft. 4-in. cement gravel base with 2-in. asphaltic macadam wearing surface.

Moreing Bros., at $54,490.80 low bidders for improving streets in City Park and Lakeside Terraces, involving 6,072 cu. yds. cut; 1,248 cu. yds. fill; 10,528.95 lin. ft. curb and gutter; 51,125.10 sq. ft. sidewalk; 174,159.22 sq. ft. 4-in. cement gravel base with 2-in. asphaltic macadam wearing surface. Bids taken under advisement until Jan. 6th. W. B. Hogan, city engineer.

SAN FRANCISCO—Fay Improvement Co., Phelan Bldg., at $7,632, submits low bid to Board of Public Works for improving 22nd St. between Mississippi and Texas, etc., involving 936 lin. ft. concrete curbs; 20,145 sq. ft. asphaltic concrete pavement; 237 sq. ft. artificial stone sidewalks; 3 brick catchbasins and 100 lin. ft. 10-in. vitrified pipe culverts. Only other bidder Raisch Improvement Co., $7,798.

No bids received for improving Diamond St., between Chenery and Bosworth, involving 4400 cu. yds. cut; 312 cu. yds. fill; 618 lin. ft. concrete pavement; 3 brick catchbasins and 70 lin. ft. 10-in. vitrified pipe culverts.

VALLEJO, Solano Co., Cal.—Until Jan. 16, 12 M., bids will be received by Alfred E. Edgcumbe, city clerk, for constructing combined concrete curbs and sidewalks in several streets. Imp. Act 1911. T. D. Kilkenny, city engineer.

SAN JOSE, Santa Clara Co., Cal.—Bids of Raisch Improvement Co., $7,490, and Hugh Crummey, $7,640 for improving Bush and Wilson streets taken under advisement by supervisors. Estimate, $8,010. Irving Ryder, county surveyor.

SAN DIEGO, Cal.—Until 11 A. M., Jan. 16, bids will be received by supervisors for constructing portion of Escondido to Del Mar road, road survey No. 333. Plans and specifications on file at office of Board.

LOS ANGELES, Cal.—J. G. Beckjord, 718 San Fernando Bldg., Los Angeles, submitted lowest bid at $25,000 for paving with oil macadam George St., Lucille and Allene Aves. and part of Narbonne Ave., Lomita, in Road Imp. Dist. No. 194. Other bids were: E. L. Garretson & Son, $26,997; Fleming Construction Co., Pomona, $27,000; W. D. McCray, $30,800; engineer's estimate, $28,122.55. The contract involves 4720 cu. yds. excavating, 4720 lin. ft. shaping roadbed, 10,303 sq. yds. 3½-in. oil macadam pavement, 6911 ft. curb and 28,339 sq. ft. sidewalk, materials required, 887 barrels cement, 367 tons sand, 545 tons gravel, 2393 tons macadamized rock Nos. 3 and 1, 755 tons of rock, 250 barrels oil, 530 sq. ft. expansion joint, 217 lbs. lamp black.

SAN LUIS OBISPO, Calif.—Jones and Walters, 1117 Marsh st., San Luis Obispo, at 25 cu. yd. per mile, awarded contract to haul gravel for Arroyo-Grande-Edna road, approx. 300 cu. yds. involved. Warren Burch, county surveyor.

HUNTINGTON PARK, Cal.—City Engineer H. McCurdy, Pacific Electric Bldg., Los Angeles, was instructed by City Trustees to prepare plans and specifications for paving Randolph St. between east and west city limits, a little over a mile, with 6-in. asphaltic concrete.

OROVILLE, Butte Co., Cal.—Trustees at next meting will discuss proposed paving program for 1922. Representatives of Warren Bros. Co. are conferring with the trustees regarding pavement. S. J. Norris, City Engineer.

RED BLUFF, Tehama Co., Cal.—City Trustees decide to improve west end of Walnut street to entrance of Oak Hill cemetery, in addition to paving portions of Main, Walnut and Oak Sts., as previously reported. The additional work will require the construction of either a girder or arch bridge to span Brickyard creek towards the city limits. W. F. Luning, city engineer.

EUREKA, Humboldt Co., Cal.—F. W. Johnson, Eureka, at $1.95 yd. awarded contract by council to furnish approximately 1,000 yards gravel for street improvements. Harry H. Hannah, City Engineer.

SACRAMENTO, Cal.—City Council, M. J. Desmond, Clerk, declares intention to improve:

Downey Way between 36th and 39th Sts.; concrete curbs and gutters, 3 cast iron gutter drains, 1 concrete manhole, 8-in. vitrified sewer, grading and paving with 5½-in. asphaltic concrete.

Alley between Portola and Fifth Ave., 27th and Franklin Blvd.; 3 concrete catchbasins, reconstructing 1 concrete manhole; grading and paving with 5-in. hydraulic concrete.

Alley between L and M, 8th and 9th Sts.; 1 concrete catchbasin, reconstruction, 2 concrete catchbasins, construct concrete retaining wall; grading and paving with 5-in. hydraulic concrete.

Alley between I and J, 5th and 6th Sts.; concrete gutters, 2 cast iron gutter drains, reconstruct 3 manholes; grading and paving with 6-in. hydraulic concrete base, 2-in. sand cushion and 5-in. basalt block surface.

Alley between E and F, 11th and 12th Sts., construct vitrified sewer with 16 6-in. wye branches, 1 concrete manhole. Albert Givan, City Engineer.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy, completes specifications for improving crossing of Forester and Staples; estimated cost, $1,900, involving: 100 cu. yds. cut; 20 lin. ft. 8-in. and 20 lin. ft. 12-in. vitrified pipe sewer; 1 brick manhole, 2 brick catchbasins; 40 lin. ft. 10-in. vitrified pipe culverts; 119 lin. ft. concrete curbs; 581 sq. ft. artificial stone sidewalks, 3,118 sq. ft. asphaltic concrete pavement.

SAN LUIS OBISPO, Cal.—Pacific Construction Co., 16 California St., San Francisco, only bidder, at $34,500, awarded contract by supervisors for constructing concrete combined curbs and gutters in portions of 3, 4, 5, 6, 7, Market, Morro, Main and C Sts., Town of Morro, approximately 367,018 sq. ft. disintegrated rock base; 11,648 lin. ft. concrete curb, 25,670 sq. ft. concrete gutter, and 432,445 sq. ft. grading. Warren Burch, county surveyor.

CHICO, Butte Co., Cal.—City Engineer F. S. Robinson completing revised plans for a sanitary sewer in Bryan's Addition to city, involving 2,000-ft. of 6-in. vitrified pipe sewers with flush tanks and manholes; estimated cost, $2,500. Bids will be asked about Feb. 10th.

FRESNO, Fresno Co., Cal.—California Construction Co., 58 Second St., San Francisco, at $15,257.94 awarded contract by supervisors for constructing Parkhurst Ave., unit of highway system; 1,230 cu. yds. earthwork, $1.40; 54,400 sq. ft. asphaltic concrete pavement, $.288; 2 culverts, $1130. Chris P. Jensen, county surveyor.

STOCKTON, San Joaquin Co., Cal.—J. E. Johnson, 315 Savings and Loan Bank Bldg., Stockton, at $33,105, awarded contract by supervisors for Seavey road improvement, involving 5500 cu. yds. grading; 6870 tons crushed rock; 1650 tons dressing for oil and 1090 bbls. of asphaltic oil. Grant Smith Co., 112 Market St., San Francisco, only other bidder, $33,283.10. Engineer's estimate, $33,530.

C. O. Holden, 433 E. Locust St., Lodi, at $11,183 awarded contract for improving Taison road, involving 4,220 tons of road gravel in place. Engineer's estimate, $11,605.

J. E. Johnson, 315 Savings and Loan Bank Bldg., Stockton, at $53,071.18, awarded contract for French Camp road (grading by force account, $4,780), involving 10,420 tons crushed rock; 1330 tons asphaltic oil; 1610 tons dressing for all; 1 corrugated culvert; concrete in culverts, 48.54 cu. yds. Other bids: Grant Smith Co., $53,475.46; Hutchinson Co., 17th and Broadway, Oakland, $53,775.17. Engineer's estimate, $53,445.10. F. E. Quail, county surveyor.

REDONDO BEACH, Cal.—E. L. Garretson & Son, 1346 Fairfax Ave., Los Angeles, awarded contract at $34,517 for improving Juanita Ave. between Camino Real and Diamond St. by grading and paving with 3½-in. macadam and constructing curb and a storm water system; also grading and oiling Beryl street between Lucia and Irena Aves., in same contract; Vrooman Act. Victor H. Stahell, City Engineer. Herman Wigman submitted the only other bid at $35,025.58.

PORTLAND, Ore.—Until Jan. 17, 10 A. M., bids will be received by C. G. Purcell, District Engineer, U. S. Bureau of Roads, 317 Post Office Bldg., for constructing 2nd unit of Oregon Caves road in Siskiyou National Forest, near Ashland, Oregon. Involves, 14 acres clearing, 25,000 cu. yds. excavation; 100 lin. ft. culverts; 1400 cu. yds. concrete for bridge abutments and headwalls and one timber span.

BURBANK, Cal.—Contracts for street work awarded as follows: Napier & Simpson, San Fernando, grading and constructing curb, gutters and walk on San Fernando Blvd., 2220 lin. ft. at $13,015.15; M. S. Cummings, 1302 W. 22nd St., Los Angeles, grading and oil tamping, constructing curb, gutter, walk and culverts on 10th street, 3400 lin. ft., at $27,609.20; also grading and oil tamping and constructing curb and gutter on Elmwood Ave., 2000 lin. ft. at $11,653.80. All bids received for grading and oil tamping Magnolia Ave., 2500 lin. ft., were rejected.

BERKELEY, Alameda Co., Cal.—City Council, E. M. Hann, city clerk, declares intention to construct 6-in. vitrified sewer in Wallace St., from Oregon 355-ft. southerly, including construction of brick manholes. Imp. Act 1911. Protests Jan. 20. C. L. Huggins, city engineer.

SAN JOSE, Santa Clara Co., Calif.—Raisch Improvement Co., 46 Kearny St., San Francisco, at $7,490 awarded

contract by supervisors to improve Bush and Wilson streets. Irving Ryder, county surveyor.

MONTEREY, Monterey Co., Calif.—City Engineer H. D. Severance preparing specifications to improve El Dorado and Carmelito streets for their entire length; also for grading, entire length of Abrego street.

WATSONVILLE, Santa Cruz Co., Cal.—City Engineer Kitchen is preparing plans for remacadamizing and oiling Van Ness Ave., Rodriguez St., Wall St., from Walker to the city limits, Brennam, Sudden, Alexander, Carr, Lincoln, Union, Maple ave. from Union to Main, and Peck street. Plans are also under way for paving Ford from Main to Walker, Rodriguez from Ford to the Slough, Fifth from Sudden to Lincoln and Palm ave. from Brennan to Jefferson.

MONTEREY, Monterey Co., Calif.—S. Ruthven, Monterey, at $2,315 awarded contract by council to improve Houston st., between Webster and Pearl by grading and paving with decomposed granite gravel, concrete curbs and gutters. H. D. Severance, city angineer.

OAKLAND, Calif.—City Engineer Geo. Mattis completes specifications for Jackson street sewer involving: 243 lin. ft., 14 in.; 528 lin. ft. 13 in.; 312 lin. ft. 21 in., vit. pipe sewer; and 1131 lin. ft. 30 in., sewer; 210 lin. ft. 10 in., vit. pipe conduit; 1 brick manhole; 5 brick and conc. manholes; 6 brick catchbasins; 2 vit. pipe drop connections; 40 vit. pipe Y-branches; 40 vit. pipe slants; 1083 lin. ft. of existing sewer to be removed; 4 manholes to be deepened; 4 manholes to be removed.

Specifications also completed for improving Jackson street bet. 7th and 10th streets, involving: 32,104 sq. ft. of grading; 113 lin. ft. of conc. curb with and 1,059 lin. ft. of conc. curb without steel guard; 1,316 sq. ft. of conc .gutter; 30,788 sq. ft. of asph. conc. pavement.

OAKLAND, Cal.—City Council rejects bids for excavation and rock wall work at Lake Merritt and new bids will be asked. Geo. Mattis, city engineer.

MODESTO, Stanislaus Co., Cal.—City Council approves specifications for paving 6th St., between I and K and James St. between Spencer and Jennie. Council decides to surface all streets in the business district with 1½-in. Warrenite-Bitulithic pavement. Geo. Freitas, city engineer.

OROVILLE, Butte Co., Cal.—J. H. Strohman, Oroville, at $1,443 awarded contract by Oroville Union High School District to pave two tennis courts. Only other bidder was T. J. Belfranci, Oroville, at $1,476.

SAN FRANCISCO — Contracts for street and sewer improvements, awarded by Board of Public Works, as follows:

Ulloa between 27th and 29th Aves. $20,953; between 29th and 32nd Aves., $16,200, and between 32nd and 34th Aves., $14,065; all to Fay Improvement Co., Phelan Bldg.

Adler St. between Harkness and Ankeny to John Brady, care of City Construction Co., Call Bldg., $810.

42nd Ave. between Cabrillo and Fulton, to State Improvement Co., $9,648.

Beach St. between Leavenworth and Hyde, to Raisch Improvement Co., 46 Kearny St., $13,694.

Tara St. between Ocean Ave. and Mt. Vernon Ave., to Pacific States Construction Co., Call Bldg., $21,951.

NOTE—Work under these contracts fully described in these reports December 21.

SAN LUIS OBISPO, Calif.—Until Jan. 10, 4 P. M. bids will be received by San Luis Obispo Exposition Park, Inc., for constructing one mile circular dirt auto race track involving aprox. 16,000 cu. yds. of excavating including borrow. W. B. Burch, Lowe Bldg., engineer

SAN LUIS OBISPO, Cal.—Until Feb. 6, 2 P. M., bids will be received by the Supervosirs for Road District Improvement No. 5, Town of Morro, involving 24,073 sq. ft. disintegrated rock base; 1,046 lin. ft. concrete curb; 1924 sq. ft. concrete gutter and 26,043 sq. ft. grading.

Bids open, same date, for improving Santa Margarita-Pozo road, 4.4 miles, involving 15,000 cu. yds. excavation. Warren B. Burch, Lowe Bldg., San Luis Obispo, County Surveyor.

SAN LUIS OBISPO, Cal.—Sherer & Crowley, Pacific Electric Bldg., Los Angeles, $30,279.50 awarded contract by the Supervisors for constructing Arroyo Grande-Husana road, involving 39,800 cu. yds. excavation; 400 cu. yds. concrete for culverts, etc., and 18,750 lbs. reinforcing steel in culverts, etc. Other bidders: Hard Bros., Ripon, $34,863.50; W. A. Dontanville, Hollister, $37,039; Frank C. McIntyre, Stockton, $33,553.25; J. L. Conner, $49,760. Warren Burch, Lowe Bldg., County Surveyor.

SAN FRANCISCO—Raisch Improvement Co., 46 Kearny St., at $1,927 has been awarded a contract by the Board of Public Works to improve the crossing of Baden and Hearst Ave., involving 70 lin. ft. concrete curb; 550 sq. ft. artificial stone sidewalks; 3 brick catchbasins; 75 lin. ft. 10-in. vitrified pipe culverts; 3360 sq. ft. asphaltic concrete pavement. M. M. O'Shaughnessy City Engineer.

COLUSA, Colusa Co., Cal.—Trustees order Clay St., from Bridge to Second St., be graded and graveled under the Vrooman Act.

BAKERSFIELD, Kern Co., Cal.—T. A. Hanrahan, 1361 P St., Fresno, at $53,078.51 awarded contract for improving Kentucky St. between Baker and Union, involving 162,351 sq. ft. 3½-in. asphaltic concrete pavement with 1½-in. Warrenite-Bitulithic surface; 11,842 sq. ft. concrete gutters; 432 lin. ft. 18-in. concrete culverts; 1,134 lin. ft. 12-in. and 112 lin. ft. 8-in. vitrified sewer; 3 concrete manholes and 3 concrete catchbasins.

Hanrahan also awarded contract at $78,083.57 for improving portion of A, D, E, F and G Sts., in Block 800, alley in Block 447, sewers in Block 237, 238 and 239, involving 236,170 sq. ft. 3½-in. asphaltic concrete base with 1½-in. Warrenite-Bithulithic wearing surface; 21,129 sq. ft. concrete gutter; 1,661 lin. ft. concrete curb; 15,350 sq. ft. concrete sidewalks; 693 lin. ft. 6-in. vitrified pipe, 1 manhole, 1 lamphole, 116.5 lin. ft. concrete culvert. W. D. Clarke, city engineer.

RENO, Nevada—City Council definitely decides to pave approximately 759,448.04 sq. ft. at a cost of $197,056.67. Two types of pavement provided: Class A, 3½-in. asphaltic concrete base with 1½-in. asphaltic surface; Class B, 2-in. asphaltic concrete base with asphaltic concrete surface. Harry Chism, City Engineer.

BUSINESS OPPORTUNITIES

W. P. Maingault, 4118 North Thirtieth street, Tacoma, Wash., is in the market to have a small ammonia compressor manufactured.

F. A. Stroshine, 23 Union avenue, Portland, Ore., is in the market for enameled kitchen table tops.

Walter H. Hankins, Pomeroy, Wash., is seeking a market for moss and vineyard stakes.

G. W. McIver Co., 113 State street, Boston, Mass., desires to secure a representative to handle the sale of electric drills and motors in this market.

John R. Wise, 2893 Dirheim avenue, Cincinnati, Ohio, is looking for a location for a hardware and auto accessory store.

H. E. Walker, Box 342, Enterprise, Ore., wishes to get in touch with dealers in sawmill and mining machinery.

B. A. Thomas, P. O. Box 1125, Pocatello, Idaho, would like to get in communication with furniture manufacturers in this city.

W. S. Crokran 24 East Twenty-third street, New York City, would like to arrange to represent San Francisco firms on engineering, purchasing, sales or business matters.

Woodcraft Shop, 537 South Beretania street, Honolulu, T. H., desires to get in touch with San Francisco manufacturers of furniture and dealers in furniture manufacturers' supplies and equipment.

California Spray Chemical Co., Watsonville, Calif., wishes to communicate with manufacturers of building tile in this city.

DAILY PACIFIC BUILDER

The only daily newspaper in the West whose columns are devoted exclusively to Building News. Covers San Francisco and Bay Counties. $1.25 per month, payable in advance. Send for sample copy.

560 MISSION STREET SAN FRANCISCO, CAL.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
3162	Merritt	Prout	5000
3163	Burnett	Warwick	35000
3164	Symon	Jensen	600
3165	Lewis	Mori	500
3166	Cozzo	Vanucci	600
3167	Levi	Delaney	900
3168	Wurlitzer	Brumfield	1470
3169	Watson	Watson	4000
3170	Vodden	Owner	9000
3171	Weissbein	Meyer	20000
3172	Gingher	Owner	650
3173	Merritt	Prout	5800
3174	Marsicano	Martinelli	14000
3175	May	Martin	12832
3176	Schmitt	Moran	21500
3177	Nelson	Nelson	4500
3178	Same	Same	4500
3179	Same	Same	4500
3180	Same	Same	6500
3181	Same	Same	6500
3182	Becker	Meyer	19180
1	Skelley	Owner	5800
2	Dorn	American	750
3	Laffin	Schultz	1000
4	Kittle	Vogt	15000
5	Weissbein	Meyer	16513
6	Hefferman	Jensen	1080
7	Crocker	Arnott	5600
8	S. F. Savings	Heyer	5000
9	Lewis	Mori	500
10	Consani	Hanson	15000
11	Shell	Owner	1400
12	Dunn	MacDonald	35000
13	Puntney	Owner	3000
14	Watson	Owner	14000
15	Gallagher	Owner	13000
16	Sass	Owner	500
17	Dunne	Owner	900
18	Hirsch	Moller	1000
19	Gottesfeldt	Deibel	4000
20	Waxman	Owner	4000
21	Kittle	Vogt	1425
22	Bank of Italy	Federal	990
23	Hoo Shuck	Ross	800
24	Ginley	Owner	7000
25	Hunt	Owner	66000
26	Nelson	Owner	15000
27	Linde	Pittman	600
28	Mahan	Smith	3450
29	Silberstein	Demarais	16865
30	Kern	Morton	39400
31	Moschella	Novello	2900
32	Gawthorne	Meinberger	11789
33	Jones	Owner	3000
34	Lalola	Vukicevich	800
35	Wolford	Zane	10485
36	Gainer	Finnegan	2000
37	Kokomo	Mullen	800
38	Morris	Morris	6000
39	Weyranch	Weyranch	4000
40	Mission	Olsen	3900
41	Barry	Barry	8000
42	Perren	Owner	2850
43	Enterprise	Owner	750
44	Consani	Hansen	15740

PERMITS

DWELLING

(3162) W ALLSTON WAY 108 N Ulloa. One and one-half-story and basement frame dwelling.
Owner—George N. Merritt, Crocker Bldg., San Francisco.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.
Contractor—J. Prout, 2020 Turk St., San Francisco. $5000

APARTMENTS

(3163) S CLAY 157-6 E Hyde. Three-Story and basement frame (12) apartments.
Owner—Geo. W. Burnett, Larkin and O'Farrell St., San Francisco.
Architect—Chas. Skidmore, New Call Bldg., San Francisco.
Contractor — Harry C. Warwick, 3191 Washington St., San Francisco. $35,000

SHED

(3164) NO. 3648 EIGHTEENTH ST. One-story frame tool shed.
Owner—J. Symon, Premises.
Architect—None.
Contractor — James Jensen, 550 Valencia St., San Francisco. $600

GARAGE

(3165) NO. 1911 GREEN. One-story brick private garage.
Owner—Joseph R. Lewis, 220 Union St., San Francisco.
Architect—None.
Contractor—G. Mori, 5 Charlton St., San Francisco. $500

RETAINING WALLS

(3166) SE HOWARD AND SIXTH. Construct retaining walls.
Owner—Mr. Cozzo.
Architect—None.
Contractor—L. Vanucci, 16th & Church Sts., San Francisco. $600

ALTERATIONS

(3167) NO. 111 NEW MONTGOMERY. Erect plaster partitions in 6th floor.
Owner—H. Levi, Fairmont Hotel, San Francisco.
Architect—None.
Contractor — Chas. S. Delaney, 2955 Pine St., San Francisco. $900

SIGN

(3168) E STOCKTON 200 S Post. Construct and install one single faced electric roof sign.
Owner—Wurlitzer Music Co., 985 Market St., San Francisco.
Architect—None.
Contractor—Brumfield Elec. Sign Co., 18 7th St., San Francisco. $1470

RESIDENCE

(3169) E TWENTY-FIRST AVE 100 S Lincoln Way. Two-story and basement frame residence.
Owner—H. D. Watson and Wife, 1220 21st Ave., San Francisco.
Architect—None.
Contractor—H. D. Watson, 1220 21st Ave., San Francisco.

FRAME FLATS

(3170) S CABRILLO 100 W 14th Ave. Two-story and basement frame (2) flats.
Owner—Walter G. Vodden, 760 Cole St., San Francisco.
Plans by Owner
Day's work. $9000

STORES & OFFICES

(3171) NE GEARY AND TENTH AVE. Two-story frame stores and offices.
Owner—Jacob Weissbein, Hobart Bldg., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $20,000

ALTERATIONS

(3172) NO 3755 TWENTY-THIRD ST. Construct new steps and alter for private garage.
Owner—Mrs. H. J. Gingher, Premises.
Architect—None.
Day's work. $650

RECORDED

RESIDENCE

(3173) LOT 16 BLK 2984 Merritt Terrace. All work except water heater, furnace, gas and electric fixtures and wall paper for a one-story and basement frame residence.
Owner—George N. Merritt, Crocker Bldg., San Francisco.
Architect—None.
Contractor—J. Prout, 2020 Turk St., San Francisco.
Filed Dec. 30, '21. Dated Dec. —, '21.

Roof rafters on	$1450
Brown coated	1450
Completed and accepted	1450
Usual 35 days	1450
TOTAL COST,	$5800

Bond, $2900. Sureties, Wm. L. Terry and Otto Norwall. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BRICK BLDG.

(3174) E GRANT AVE 77-6 S California S 20xE 50. All work except shades and lighting fixtures for a three-story and basement brick building.
Owner—Mrs. M. Marsicano, 781 Green St., San Francisco.
Architect—P. F. DeMartini, 946 Broadway, San Francisco.
Contractor—J. Martinelli, 180 Jessie St., San Francisco.
Filed Dec. 30, '21. Dated Nov. 22, '21.

Brick up to 2nd floor	$2600
Finished roof on	2600
Finish plaster on	2600
Completed and accepted	2700
Usual 35 days	3500
TOTAL COST,	$14,000

Bond, $7000. Sureties, Frank L. Martinelli and Pilade Carmignani. Limit, 45 days. Forfeit, none. Plans and specifications filed.

NOTE:—Permit reported Nov. 15, 1921 No. 2698.

FRAME FLATS

(3175) NW ARGUELLO BLVD. & CALIfornia. All work except plumbing, wall beds, electric fixtures, wall paper, finish hardware, and window shades for two-story frame flats.
Owner—Louis May, 235 15th Ave., San Francisco.
Architect—Dodge A. Riedy, Pacific Bldg., San Francisco.
Contractor—Wm. Martin, 180 Jessie St., San Francisco.
Filed Dec. 30, '21. Dated Dec. 29, '21.

Roof sheathing on	$3000
Plaster completed	3000
Completed and accepted	3624
Usual 35 days	3208
TOTAL COST,	$12,832

Bond, $6416. Sureties, Edwin T. Peterson and Val Franz. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(3176) W FOURTEENTH AVE 100 S Cabrillo S 50xW 127-6. All work for two two-story frame buildings (flats)
Owner—Chas. and Louise Schmitt, 825 Cabrillo St., San Francisco.
Architect—Paul F. De Martini, 946 Broadway, San Francisco.
Contractor — Harry Moran, 778 10th Ave., San Francisco
Filed Dec. 30, '21. Dated Dec. 22, '21.

Roofs on $5375
Brown coated 5375
Completed and accepted..... 5375
Usual 35 days..... 5375
TOTAL COST, $21,500
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

BUNGALOW
(3177) N STAPLES AVE 6.325 W from E line Lot 12 Blk 3138 W 31.856 N 0° 33' W 101.847 S 87° 14' E 31.616 S 0° 33' E 104.318 Ptn Lots 12 and 13 Blk 3138, Westwood Park. All work for one-story frame bungalow
Owner—Hans and Esther E. Nelson, 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Dec. 30, '21. Dated Dec. —.
Frame up and enclosed.....$1125
Brown coated 1125
Completed and accepted..... 1125
Usual 35 days..... 1125
TOTAL COST, $4500
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BUNGALOW
(3178) PTN LOTS 13 AND 14 BLK 3138, Westwood Park. All work for one-story frame bungalow.
Owner—Hans and Esther E. Nelson, 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Dec. 30, '21. Dated Dec. —.
Frame up and enclosed.....$1125
Brown coated 1125
Completed and accepted..... 1125
Usual 35 days..... 1125
TOTAL COST, $4500
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BUNGALOW
(3179) PTN LOT 14 BLK 3138, Westwood Park. All work for one-story frame bungalow.
Owner—Hans and Esther E. Nelson, 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Dec. 30, '21. Dated Dec. —.
Frame up and enclosed.....$1125
Brown coated 1125
Completed and accepted..... 1125
Usual 35 days..... 1125
TOTAL COST, $4500
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BUNGALOW
(3186) LOT 2 BLK 3109, Westwood Park. All work for one-story frame bungalow.
Owner—Hans and Esther E. Nelson, 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Dec. 30, '21. Dated Dec. —.
Frame up and enclosed.....$1625
Brown coated 1625
Completed and accepted..... 1625
Usual 35 days..... 1625
TOTAL COST, $6500
Bond, limit, forfeit, none. Plans and specifications filed.

BUNGALOW
(3181) LOT 4 BLK 3109, Westwood Park. All work for one-story frame bungalow.
Owner—Hans and Esther E. Nelson, 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Dec. 30, '21. Dated Dec. —.
Frame up and enclosed.....$1625
Brown coated 1625
Completed and accepted..... 1625
Usual 35 days..... 1625
TOTAL COST, $6500
Bond, limit, forfeit, none. Plans and specifications filed.

FRAME FLATS
(3182) SW TWENTY-FIRST AVE. and Geary. All work for three-story and basement frame building (store and 4 flats).
Owner—Geo. Becker, 623 22nd Ave., San Francisco.
Architect—None.
Contractor—Theodore G. and Rollin E. Meyer, 5326 Geary St., S. F.
Filed Dec. 30, '21. Dated Dec. 8, '21.
Frame up $4795
Brown coated 4795
Completed 4795
Usual 35 days..... 4795
TOTAL COST, $19,180
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Dec. 28, 1921 No. 3122.

OFFICES
S SUTTER 137-6 E Montgomery. Two-story reinforced concrete offices.
Owner—J. C. Brickell, Lick Bldg., S. F.
Architect—J. R. Miller, 213 Lick Bldg., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco. $30,000
NOTE—Recorded contract reported December 28, 1921, No. 3147.

RESIDENCE
(1) N HILDAGO TERRACE 103-6 E Dolores. Two-story and basement frame residence.
Owner—E. Skelley, 3468 Mission St., San Francisco.
Architect—None.
Day's work. $5800

UNDERPIN
(2) NO. 340 MASON ST. Underpin E wall of stores with brick 17-in. wide 6 ft. high.
Owner—Mrs. C. A. Dorn, Stanford Court Apartments, San Francisco.
Architect—None.
Contractor—American Concrete Co., 785 Market St., San Francisco. $750

REPAIRS
(3) NO. 22 NINTH. STREET. Repair fire damage.
Owner—P. J. Laflin, 2958 Washington Street.
Architect—None.
Contractor—Schultz Construction Co., 46 Kearny St. $1,000

EXCAVATION
(4) NO. 825 SANSOME ST. Excavate for vault area; cut through brick wall (warehouse).
Owner—Harriette DeWitt Kittle, care of Architect.
Architect — Nathaniel Blaisdell, 255 California St., San Francisco.
Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco. $15,000

RECORDED

OFFICE BLDG.
(5) NE GEARY AND EIGHTEENTH Ave. E 80-8xN 100. All work for two-story store and office building.
Owner—Jacob Weissbein, Hobart Bldg., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Theodore G. and Rollin E. Meyer, 5326 Geary St., S. F.
Filed Dec. 31, '21. Dated Dec. 21, '21.
Frame up $4128.25
Brown coat mortar on..... 4128.25
Completed and accepted..... 4128.25
Usual 35 days 4128.25
TOTAL COST, $16,513.00
Bond, $8256.50. Sureties, Gottfried Meyer and Anna Meyer. Limit, 90 days after Jan. 1. Forfeit, $20 a day. Plans and specifications filed.
NOTE:—Permit reported Dec. 31, 1921 No. 3171.

ALTERATIONS
(6) NO. 761 MARKET. All work for store alterations.
Owner—Mary Hefferman, 1290 28th Ave., San Francisco.
Architect—None.
Contractor—James Jensen, 550 Valencia St., San Francisco.
Filed Dec. 31, '21. Dated Dec. 29, '21.
Upon completion $600
February 1, 1922..... 480
TOTAL COST, $1080
Bond, none. Limit, Jan. 15, 1922. Forfeit, none. Plans and specifications, none.
NOTE:—Permit reported Dec. 29, 1921 No. 3143.

DWELLINGS
(7) S CHENERY 25 and 50 E Lippard. Two one and one-half-story and basement frame dwellings.
Owner—Crocker Estate Co., Crocker Bldg., San Francisco.
Architect—None.
Contractor—Jas. Arnott & Son, 4165 20th St., San Francisco $2800 each

ALTERATIONS
(8) SW CLEMENT AND SEVENTH Ave. Increase height of firewall (brick and stone).
Owner—S. F. Savings & Loan Society, 526 California St., S. F.
Architect—Herbert A. Schmidt, Charleston Bldg., San Francisco.
Contractor—Chas. W. Heyer Jr., Mills Bldg., S. F. $5000

GARAGE
(9) NO. 1911 GREEN. One-story frame private garage.
Owner—Joseph R. Lewis, 2200 Union St., San Francisco.
Architect—None.
Contractor—G. Mori, 5 Charlton Place, San Francsico. $500

FRAME FLATS
(10) NE GEARY AND PARKER AVE. Two-story and basement frame (4) flats.
Owner—A. Consani, 39 Wood St., San Francisco.
Architect—David Leigh, 840 44th Ave., San Francisco.
Contractor—H. J. Hanson, 180 Jessie St., San Francisco. $15,000

STATION
(11) NE HOWARD AND FIFTH. Steel gasoline station.
Owner—Shell Co. of Calif., 343 Sansome St., San Francisco.
Plans by Owner.
Day's work. $1400

OFFICES
(12) E MONTGOMERY 87 S Bush. Four-story and basement brick office and store building.
Owner—The Dunn-Williams Co., S. F.
Architect—G. A. Lansburgh, Gunst Bldg., San Francsico.
Contractor — MacDonald & Kahn, 130 Montgomery St., San Francisco. $35,000

DWELLING
(13) E TWENTY-SEVENTH AVE 100 N Clement. One-story and basement frame dwelling.
Owner—Edw. M. Puntney, 340 Pierce St., San Fran cisco.
Architect—None.
Day's work. $3000

FRAME FLATS
(14) W TWENTY-SECOND AVE 125 and 150 S California. Two two-story and basement frame buildings (2 flats in each).
Owner—G. E. Watson Bldg. Co., 280 17th Ave., San Francisco.
Architect—None.
Day's work. $7000 each

FLATS
(15) SW. BALBOA. AND. TWENTY-SECOND AVE. Two-story and basement frame (4) flats.
Owner—F. and A. Gallagher, 30 Lloyd Street.
Architect—Plans by Owner.
Days work. $13,000

ALTERATIONS
(16) NO. 972 DOLORES ST. Finish rooms in attic and raise roof.
Owner—Mrs. Helen Sass, 972 Dolores Street.
Architect—None.
Days work. $500

DWELLING
(17) E KANSAS 250 N 23rd. Two-story and basement frame dwelling.
Owner—John A. Dunne, 967 Hampshire Street.
Architect—None.
Days work. $900

RETAINING WALL
(18) GORE MONTGOMERY, KEARNY AND PACIFIC STS. Construct retaining wall at curb line.
Owner—Hersch Bros., premises.
Architect—None.
Contractor—Fred Moller, 614 Call Bldg., San Francisco. $1,000

ADDITION
(19) NO. 121 TWELFTH AVE. Addition of one room to residence.
Owner—H. Gottesfeldt, Chronicle Bldg.
Architect—M. Schwartz, Nevada Bank Bldg.
Contractor—Louis J. Deibel, 2453 Buchanan St. $500

DWELLING
(20) W THIRTY-FOURTH AVENUE 275 S Anza. One-story and basement frame dwelling.
Owner—A. W. Waxman, 6620 Fulton St.
Architect—None.
Days work. $4,000

RECORDED

ALTERATIONS
(21) SW SANSOME AND BROADWAY (825 Sansome St.) All work except wiring, plumbing and painting for altering 1-story bldg.
Owner—Harriette DeWitt Kittle.
Architect — Nathaniel Blaisdell, 255 California St., San Francisco.
Contractor—Alfred H. Vogt, 185 Stevenson St. San Francisco.
Filed Jan. 4, '22. Dated Dec. 30, '21.
Completed and Accepted.....$1,069
Usual 35 Days..... 356
TOTAL COST, $1425
Bond $713; sureties, John D. Davidson and Emil Hogberg; limit, 30 days; forfeit, $10. Plans and specifications filed.
NOTE—Permit reported Jan. 3, 1922. (No. 4.)

ROOF SIGN
(22) SW CASTRO AND MARKET. Erect one double faced roof sign.
Owner—Bank of Italy, Premises.
Architect—None.
Contractor—Federal Electric Co., 91 New Montgomery St. San Francisco $290

ALTERATIONS
(23) NO. 729 JACKSON. Remove partitions, install doors and windows, magnesite floor
Owner—Hoo Shuck and Wm. M. Young, 920 Jackson St., San Francisco.
Architect—C. J. Rogers, Phelan Bldg., San Francisco.
Contractor—D. W. Ross, 180 Jessie St., San Francisco. $800

FRAME FLATS
(24) E NINETEENTH AVE 175 and 200 S Lake. Two two-story and basement frame (2 in each) flats.
Owner—E. Ginley, 131 5th Ave., S. F.
Architect—None.
Day's work. $7000

STORES AND APMNTS.
(25) SW POST AND TAYLOR. Six-story steel and brick stores and (32) apartments.
Owner—M. A. Hunt (Wm. Helbing, Superintendent and agent for owner.) 150 7th St., San Francisco.
Plans by Owner.
Day's work. $60,000

DWELLINGS
(26) E TWENTIETH AVE 100, 125, 150, 175 and 200 N Cabrillo. Five one-story and basement frame dwellings.
Owner—Emil Nelson, 4835 Geary St., San Francisco.
Architect—None.
Day's work. $3000 each

ALTERATIONS
(27) NO. 420 GOLDEN GATE AVE. New front for auto building store room.
Owner—Fred Linde, 419 Golden Gate Ave., San Francisco.
Architect—None.
Contractor—W. T. Pittman, 545 Turk St., San Francisco. $600

RECORDED

DWELLING
(28) E EDINBURGH 250 S Avalon Ave S 25xE 100. All work for five-room house.
Owner—Alma M. Mahan, 107 14th Ave. San Francisco.
Architect—None.
Contractor—Martin Smith, 114 Girard St., San Francisco.
Filed Jan. 4, '22. Dated Jan. 3, '22.
Frame up and rough plumbing in $862.50
Plastering completed 862.50
Completed and accepted..... 862.50
Usual 35 days..... 862.50
TOTAL COST, $3450.00
Bond, none. Limit, 90 days. Forfeit, $5. Plans and specifications filed.
NOTE—Permit also applied for today

APARTMENTS
(29) W WEBSTER 137-6 S McAllister 30x137-6. All work for two-story and basement frame apartments.
Owner—Louis Silberstein, 1092 McAllister St., San Francisco.
Architect—None.
Contractor—W. B. Demarais, 732 Page St., San Francisco.
Filed Jan. 4, '22. Dated Dec. 16, '21.
Roof on $4216.25
Rough plaster on..... 4216.25
Completed 4216.25
Usual 35 days..... 4216.25
TOTAL COST, $16,865.00
Bond, $8432.50. Surety, Jerry Casey. Limit, 90 days. Forfeit, none. Plans adn specifications filed.
NOTE—Permit reported Dec. 20, 1921, No. 3075.

GARAGE
(30) W JONES 70-6 N O'Farrell W 80 S 5-6 W 57-6 N 72-6 E 137-6 S 67. All work for two-story and basement reinforced concrete garage
Owner—R. W. Kern.
Architect—O'Brien Bros., Inc., 246 Montgomery St., San Francisco.
Contractor—John Morton (as Morton Builders), Balboa Bldg., S. F.
Filed Jan. 4, '22. Dated Dec. 28, '21.
Walls and 1st floor poured and coated $10,000
2nd floor in place and walls to roof level 10,000
Completed and accepted..... 9,550
Usual 35 days..... 9,850
TOTAL COST, $39,400
Bond, $19,700. Surety, New Amsterdam Casualty Co. Limit, forfeit, none. Plans and specifications filed.

DWELLING
(31) W AMAZON 50.3481 NE Vienna. Two-story and basement frame dwelling.
Owner—A. Moschella, 830 Athens Ave., San Francisco.
Architect—None.
Contractor—J. Novello and L. Pastorini 172 Bertita Ave., San Francisco. $2900

APARTMENTS
(32) S GREEN 200 E Pierce. Two-story and basement frame (5) apartments.
Owner—Dr. F. A. Gawthrone, 707 Phelan Bldg., San Francisco.
Architect—None.
Contractor—H. S. Meinberger, 5720 California St., S. F. $11,789

DWELLING
(33) S HEARST AVE 275 W Genessee. One-story and basement frame dwelling.
Owner—Jones & Jones, 582-A Castro St., San Francisco.
Architect—T. Jones, 582-A Castro St., San Francisco.
Day's work. $3000

UNDERPIN APTS.
(34) E LEAVENWORTH 87-6 N Turk. Underpin concrete wall of apartments.
Owner — A. Laiola, Cr. Fugazi Bank, San Francisco.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
Contractor—Vukicevich & Bagge, 180 Jessie St., San Francisco. $800

FRAME FLATS
(35) E MOSS 100 S Howard. Two-story and basement frame (4) flats.
Owner—Joseph Wolford, 1240 McAllister St., San Francisco.
Architect—None.
Contractor—W. B. Zane, 114 Russ St., San Francisco. $10,485

DWELLING
(36) E PEABODY 175 S Leland. One-story and basement frame dwlg.
Owner—Ed. Gainer, 3344 Army St., San Francisco.
Architect—None.
Contractor—J. Finnegan, 3342 Army St., San Francisco. $2000

ALTERATIONS
(37) NO. 1201 VAN NESS AVE. Install wood partition in store; beaver board and batton same.
Owner—Kokomo Rubber Co., NW Post and Van Ness Ave., S. F.
Architect—None.
Contractor—Mullen Mfg. Co., 64-68 Rausch St., San Francisco. $800

DWELLING
(38) E WESTWOOD DRIVE — W Miramar. One-story and basement frame dwelling.
Owner—Linnie Morris, 132 Judson Ave., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Contractor—G. W. Morris, 132 Judson Ave., San Francisco. $6000

DWELLING
(39) N ALVARADO 140 E Hoffman. Two-story and basement frame dwelling.
Owner—Charles L. Weyranch, 842 Alvarado St., San Francisco.
Architect — E. Weyranch, 827 Dolores St., San Francisco.
Contractor—E. Weyranch, 827 Dolores St., San Francisco. $4000

CLUB HOUSE
(40) E CAPISTRANO 280 S San Juan. One-story and basement frame club house.
Owner—Mission Terrace Club House Association, 318 Kearny St., S. F.

Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Olaf Olsen, 366 Granada Ave., San Francisco. $3900

DWELLINGS
(41) W FORTY-SEVENTH AVE 150 and 180 N Fulton. Two one-story and basement frame dwellings.
Owner—Nellie G. Barry, 3641 20th St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—Thos. F. Barry, 3641 20th St., San Francisco. $4000 each

RESIDENCE
(42) E FORTY-FOURTH AVE 225 N Balboa. One-story and basement frame residence.
Owner—M. Person, 217 Hartford St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Day's work $2850

ALTERATIONS
(43) N NINETEENTH bet. Florida and Alabama. Plastering office; electric work; install toilet.
Owner—Enterprise Foundry Co., — Stuart St., San Francisco.
Architect—None.
Day's work. $750

RECORDED

FRAME BLDG.
(44) NE GEARY AND PARKER AVE. 31-10¼ beg at intersection Geary and Parker Ave E 31-10¼ on N Geary N 100. All work for two-story and basement frame building.
Owner—A. Consani, 39 Wood St., San Francisco.
Architect—D. Leigh, 840 44th Ave., San Francisco.
Contractor—H. J. Hansen, 180 Jessie St., San Francisco.
Filed Jan. 5, '22. Dated Jan. 4, '22.
Roof on $3935
Brown coated 3935
Completed and accepted..... 3935
Usual 35 days..... 3935
TOTAL COST, $15,740
Bond, $7500. Sureties, Walter E. Hansen and Geo. Bremer. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Jan. 4, 1922 No. 10.

GARAGE
W JONES 70-6 N O'Farrell. Two-story and basement concrete garage.
Owner—R. W. Kern, Care Architect.
Architect—O'Brien Bros., Inc., 249 Montgomery St., San Francisco.
Contractor—John Morton, Balboa Bldg. San Francisco. $39,000
NOTE:—Recorded concrete reported Jan. 5, 1922, No. 30.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
Jan. 5, 1922—E MISSION 90 N 19th 30x122-6. Samuel Hamburger to Fontanella & Teza.....Jan. 4, 1922
Jan. 5, 1922—SW FOLSOM AND Hampton Place. L R Lurie to Vukicevich & Bagge....Jan. 5, 1922
Jan 5, 1922—N TURK 37-6 E Leavenworth E 50x N87-6. Louis R Lurie to Vukicevich & Bagge..Jan. 5, 1922
Jan. 5, 1922—E EIGHTEENTH AVE 75 N Anza 25x82-6. John S Purcell to whom it may concern.Jan. 5, 1922
Jan. 5, 1922—E ELEVENTH AVE 227 N Cabrillo N 25xE 120. Elizabeth Peterson to Gustav Peterson..... .....Jan. 5, 1922
Jan. 5, 1922—W EIGHTH AVE 100 S Balboa S 27-6x120. Alfred T Morris to whom it may concern.Jan. 5, 1922
Jan. 4, 1922—W FIFTH AVE 75 S Anza 25x95. Thomas Hamill to whom it may concern...Jan. 4, 1922
Jan. 4, 1922—SW TENTH AVE AND Clement 50x100 on Clement. Eisenbach Co to Mission Concrete Co... .....Dec. 22, 1921
Jan. 4, 1922—N STAPLES AVE 330 E Genessee E 30 N 112-6 W 30 S 112-6. Moneta Investment Co to Jas Arnott & Son.....Dec. 31, 1921
Jan. 4, 1922—N STAPLES AVE 180, 210, 240, 270, 300 E Genessee E 30x N 112-6, Blk 13, Sunnyside. Moneta Investment Co to James Arnott & Son .....Dec. 31, 1921
Jan. 3, 1922—W TWENTY-SECOND Ave 149-5 N Cabrillo 25x120; W 22nd Ave 174-5 N Cabrillo 25x 120. Alfred J and Elizabeth S Gray to whom it may concern...Jan. 3, 1922
Dec. 31, 1921—S SUTTER 50 W Leavenworth W 50 x S 129. Louis O. Stoff, to whom it may concern .....Dec. 30, 1921
Dec. 31, 1921—NO. 85 WALTER ST. Herman Dabel to Vukicevich & Bagge .....Dec. 17, 1921
Dec. 30, 1921—N CABRILLO 70 E 23rd Ave E 25xN 100. Dominic Tiscornia to whom it may concern...—
Dec. 30, 1921—E THIRTY-SIXTH 125 S Clement E 120 S 25. B. M. Rising to Theo. G. and Rollin E. Meyer .....Dec. 30, 1921
Dec. 30, 1921—SE EUCLID AND JORDAN AVE. S 48 E 95. Chas. L. Heller and Nonie Heller to whom it may concern.....Dec. 30, 1921
Dec. 30, 1921—W FORTY-THIRD AVE. 155 N Fulton N 25 x N 120. Walter H. Raymond and (wf Eva M) to John Bjorkman..Dec. 29, 1921

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount
Jan. 5, 1922—E FILLMORE 87-6 N Union N 25xE 87-6. Otto Pototcki vs Mrs Mary Walker $87
Jan. 5, 1922—N SEA CLIFF AVE, if produced w dist S 83° 32' W 429.23 from SW Cor Lot 76 Sea Cliff Ave sub 1 Sea Cliff N 3° 23' W 155.47 th N 88° E 50.015 S 3° 23' E 151.575 m or l S 83° 32' N alg N Sea Cliff Ave W 50.073. Lucia K Mathews vs Ney Wolfskill and Harry G Graper $2000
Jan. 3, 1922—N SEA CLIFF AVE, if produced W dist S 83° 32' W 429.23 from SW Cor Lot 76 Sea Cliff Ave sub 1 Sea Cliff N 3° 23' W 155.47 th N 88° E 50.015 S 3° 23' E 151.575 m or l S 83° 32' N alg N Sea Cliff Ave W 50.073. Walter D Bliss and Wm B Faville (as Bliss & Faville) vs Ney Wolfskill $3464.80
Jan. 4, 1922—N SEA CLIFF AVE. if produced W dist S 83° 32' W 429.23 from SW Cor Lot 76 Sea Cliff Ave sub 1 Sea Cliff N 3° 23' W 155.47 th N 88° E 50.015 S 3° 23' E 151.575 m or l S 83° 32' N alg N Sea Cliff Ave W 50.073. Thomas Day Co vs Ney Wolfskill $1906.10
Jan. 3, 1922—W CLAYTON 25 S Hayes S 25xW 106-3. J E Higgins Lumber Co vs R C Donovan, Nora K Donovan, Wm O Snell (as Hardwood Floor Co).....$58.20
Jan. 3, 1922—E FOURTH AVE 85 N Irving N 25xE 95. Louis May vs Mathilde and C C Soper.....$639.50
Dec. 30, 1921—N SEA CLIFF AVE. if produced W dist S 83° 32' W 429.23 from SW cor Lot 76 Sea Cliff Ave sub 1 Sea Cliff N 3° 23' W 155.47 th N 88° E 50.015 S 3° 23' E 151.575 m o r l S 83° 32' N alg N Sea Cliff Ave. W 50.073. J. Harold Johnson vs Ney Wolfskill. $26,035.97; Harry G. Graper $3115

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Jan. 5, 1922—SE GEARY & MASON. Anna J. Julia L. Jno M and Marian C Murphy as to improvements on property .....
Jan. 4, 1922—N MARSHALL SQUARE and Market. Jas Irvine as to improvements on property .....

DECEMBER BUILDING PERMITS FOR SAN FRANCISCO

Following is a report of building operations for the month of December, 1921, as shown by the records of the Bureau of Building Inspection of the Board of Public Works:

Class	Number	Net Cost
C	34	$616.934
Frames	149	925.698
Alterations	382	285.990
Public	3	179,083
TOTAL	568	$2,007,705

(S. F. News Continued on Page 3)

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an Index for the contracts for this issue:

No.	Owner	Contractor	Amt.
4585	Richter	Owner	3000
4586	Marquis	Owner	12600
4587	Kann	Owner	8000
4588	Halvorsen	Scaaunnell	4200
4589	Marshall	Owner	3500
4590	Marshall	Owner	3500
4591	Perry	Hena	400
4592	Turner	Odgen	4500
4593	Gerwins	Kulchar	8000
4594	Osgood	Corbett	400
4595	Bennett	Schwalm	12788
4596	P. G. & E.	Nutting	2400
1	Garhard	Anderson	500
2	Ventre	Ventre	3000
3	Godchaux	Larsen	30777
4	Linquist	Johanson	400
5	Martin	Owner	1750
6	Ryan	Owner	400
7	Patterson	Hawkins	975
8	Brazier	Owner	2500
9	Legris	Owner	9500
10	Deihtifsen	Inlow	4000
11	Thompson	Owner	3500
12	Reeves	Sutton	3600
13	Malley	Malley	4000
14	Gratiot	Brown	2700
15	Perry	Davis	500
16	Noe	Owner	4900
17	Bertoldi	Owner	3200
18	Peterson	Kruse	1200
19	Fredrickson	Owner	1800
20	Jacoby	Lyon	4000
21	Bowers	Bowers	1250
22	Driver	Owner	1000
23	Lesser	Federal	1500
24	Isaacs	Owner	4150
25	Same	Same	3750
26	Same	Same	7500
27	Same	Same	3800
28	Same	Same	3750
29	Westwood	Owner	2500
30	Queena	Sommarstrom	33500
31	Fry	Fullerton	1000
32	Shaw	Van Ness	100
33	Wiel	MacDonald	1000
34	Magruder	Krause	48000
35	Barkmeyer	Barkmeyer	2500
36	Fleitner	Wells	3000
37	Gold Metal	Owntr	500
38	Durant	Lutge	5555
39	Fisher	Owner	4950
40	Young	Owner	4000
41	Pavert	Owner	4750
42	Bell	Owner	2500
43	Phi Sigma	Rose	2900
44	Duschak	Owner	400
45	Hoy	Brayton	450
46	Sigwald	Owner	3500
47	Shurtliet	Schnebly	835
48	Pavert	Owner	5750
49	Sanitary	Nelson	11500
50	Turner	Owner	2500
51	Durant	Waterhouse	2400

No.	Owner	Contractor	Amt.
52	Hare	Rankin	6547
53	Rabinowitz	Sommarstrom	18000
54	Humphrey	Bischoff	——

PERMITS

DWELLING
(4585) NO. 1039 DELAWARE ST., Berkeley. One-story 5-room dwlg.
Owner—F. C. Richter, Premises.
Architect—None.
Day's work. $3000

DWELLINGS
(4586) E FORTIETH AVE. 260, 290, 325, 355, 390, 420 S Carrington, Oakland. 6 one-story 4-room dwellings.
Owner—E. M. Marquis, 2827 Russell, Berkeley.
Architect—None.
Days work. $2100 each.

DWELLINGS
(4587) E LINWOOD AVE. 200, 240 S Hampel, Oakland. 2 one-story dwellings.
Owner—Jos. Kann, 427 8th, Oakland.
Architect—Wm. J. Wilkinson, First National Bank Bldg., Oakland.
Days work. $4000 each.

DWELLING
(4588) SW COR. ALMA AND MCKINLEY, Oakland. One-story 6-room dwelling.
Owner—Mabel Elizabeth Halvorsen, 860 Arlington Ave., Oakland.
Architect—None.
Contractor—J. W. Scaaunnell, 266 Mountain Ave., Piedmont. $4200

DWELLING
(4589) E AUBURN AVE. 533 E College Ave., Oakland. One-story 5-room dwelling.
Owner—J. A. Marshall, 18 Tanglewood Road, Oakland.
Architect—M. I. Diggs, Easton Bldg., Oakland.
Days work. $3500

DWELLING
(4590) W STREET NO. 2, 673 E College Ave., Oakland. One-story, 5-room dwelling.
Owner—J. A. Marshall, 18 Tanglewood Road, Oakland.
Architect—M. I. Diggs, Easton Bldg., Oakland.
Days work. $3500

TANK FRAME
(4591) NO. 9869 SUNNYSIDE ST., Oakland. Tank frame.
Owner—Mr. Perry, premises.
Architect—None.
Contractor—Joseph A. Hena, 6922 Arthur St., Oakland. $400

DWELLING
(4592) NE COR. SANTA CLARA AND CHETWOOD. Two-story 4-room dwelling.
Owner—Fred C. Turner, 255 Ridgeway Ave., Oakland.
Architect—E. G. Bangs, First National Bank Bldg., San Francisco.
Contractor—H. C. Odgen, Monadnock Bldg., San Francisco $4500

ALTERATIONS
(4593) NO. 477 THIRTEENTH ST., Oakland. Store altering.
Owner—Gerwin's Millinery.
Architect—Bernard Joseph S. F.
Contractor—S. Kulchar Co., 8th Ave. and E 10th St., Oakland $8000

ALTERATIONS
(4594) SE COR. TWELFTH AND WASHINGTON STS., Oakland. Alterations.
Owner—Fred Osgood.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin St., Oakland. $400

DWELLING
(4595) PORT PLOTS SIX & SEVEN, Indian Glen, Oakland. Two-story frame dwelling.
Owner—Geo. E. Bennett.
Architect—Schirmer-Bugbee & Co. Thayer Bldg., Oakland.
Contractor—Harry Schwalm, Berkeley.
Filed Dec. 30, '21. Dated Dec. 29, '21
Sheathed ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $12,788.84
Bond, $6,395; surety, Globe Indemnity Co.; limit 120 days; forfeit, none.
Plans and specifications filed.

WRECKING, ETC.
(4596) E WASHINGTON ST. from 1st to 2nd Sts., Oakland. All work for wrecking and removing building.
Owner—Pacific Gas & Electric Co.
Architect—Wm. Knowles, Central Bk. Bldg., Oakland.
Contractor—Shill-Vanasmo Co., 110 Sutter St., San Francisco.
Sub-Contractor—F. C. Nutting.
Filed Dec 30, '21. Dated Dec. 30, '21.
Contract executed $900
15 days after 750
30 days after 750
TOTAL COST, $2400
Bond, $1500. Surety, American Surety Co. Limit, 30 days. Forfeit, none.
Plans and specifications, none.

ALTERATIONS
(1) NO. 598 APGAR ST., Oakland. Alterations.
Owner—C. Garhard.
Architect—None.
Contractor—John Anderson. $500

DWELLING
(2) E THIRTY-FIFTH AVE 225 N Foothill Blvd., Oakland. One-story 5-room dwelling.
Owner—Jomn Ventre.
Architect—None.
Contractor—James Ventre, 1861 Elm St., Alameda. $3000

RECORDED

APARTMENTS
(3) ADJOINING ESTUDILLO HOUSE on South on E-14th St., San Leandro. All work except plumbing for two-story brick stores and apartments.
Owner—Proper Godchaux, San Leandro.
Architect—W. H. Weeks, 569 Pine St., San Francisco.
Contractor—Larsen-Siegrist Co., Claus Spreckels Bldg., San Francisco.
Filed Dec. 30, '21. Dated Dec 27, '21.
As work progresses 75%
Usual 35 days 25%
TOTAL COST, $30,777
Bond, $16,000. Sureties, Thomas J. Bennett and Frank Dawson. Limit, 100 days. Forfeit, $10. Plans and specifications filed.

ALTERATIONS
(1) NO. 1811½ BLAKE ST., Berkeley. Alterations.
Owner—Frank Lingurst, Premises.
Architect—None.
Contractor—G. Johnson, 1507 North-side Ave., Berkeley. $400

DWELLING
(5) NO. 1319 CORNELL ST., Berkeley. One-story 5-room dwelling.
Owner—J. H. Martin, 1037 Cornell St., Albany.
Architect—None.
Day's work. $1750

ALTERATIONS
(6) NO. 1516 DWIGHT WAY, Berkeley. Alterations.
Owner—Frank T. Ryan, 2875 Adeline St., Oakland.
Architect—None.
Day's work. $400

ADDITION
(7) NO. 2338 JEFFERSON ST., Berkeley. Addition.
Owner—Mrs. Patterson, Premises.
Architect—None.
Contractor—Herbert Hawkins, 2139 Essex St., Berkeley. $975

DWELLING
(8) E ROOSEVELT 150 N Allston, Berkeley. One-story 5-room dwelling.
Owner—Jas. W. Brazier, 1912 Blake St., Berkeley.
Architect—None.
Day's work. $2500

DWELLINGS
(9) NO. 3932 AND 3940 ARDLEY ST., Oakland. Two one-story 6-room dwellings.
Owner—L. H. Legris, 1351 Hampel St., Oakland.
Architect—None.
Day's work. $4750 each

DWELLING
(10) S ALMA AVE 375 W Chatham Road, Oakland. One-story 6-room dwelling.
Owner—N. F. Deihtifsen, 1965 Franklin St., Oakland.
Architect—None.
Contractor—J. H. Inlow, 1724 San Pablo Ave., Oakland. $4000

GARAGE
(11) E BROADWAY 500 S Moss Ave., Oakland. One-story tile garage.
Owner—E. S. Thompson, 3650 Broadway, Oakland.
Architect—None.
Day's work. $3500

DWELLINGS
(12) W HARRINGTON AVE 400 and 436 S Galindo, Oakland. Two one-story 4-room dwellings.
Owner—R. E. Reeves, 1505 37th Ave., Oakland.
Architect—None.
Contractor—J. F. Sutton, 476 Quigley St., Oakland. $1800 each

DWELLING
(13) W LAKESHORE AVE 1000 N Harvard Road, Oakland. One-story 5-room dwelling.
Owner—F. T. Malley, 900 Lakeshore Ave., Oakland.
Architect—None.
Contractor—H. Malley, 2947 West St., Oakland. $4000

DWELLING
(14) W PANAMA COURT 200 S Glen Ave., Oakland. One-story 5-room dwelling.
Owner — C. J. Grattot, 57 Glen Ave., Oakland.
Architect—None.
Contractor—G. W. Brown, 47 Glen Ave., Oakland. $2700

ALTERATIONS
(15) NO. 2531 TWENTY-FIFTH AVE., Oakland. Alterations.
Owner—Mrs. Perry.
Architect—None.
Contractor—A. L. Davis, 2026 Union St., Oakland. $500

DWELLING
(16) E WARFIELD AVE 50 S Prince, Oakland. One-story 6-room dwlg.
Owner—Samuel Noe, 2125 9th Ave., Oakland.
Architect—None.
Day's work. $1900

DWELLING
(17) NW WESLEY AND CLEVELAND Aves., Oakland. One-story six-room dwellling.
Owner—Joe Bertolul, 5628 Vincente St., Oakland.
Architect—None.
Day's work. $3200

DWELLING
(18) NO. 2104 LINCOLN AVE., Alameda. One-story 4-room dwelling.
Owner—A. Peterson, 2100 Lincoln Ave., Alameda.
Architect—None.
Contractor— M. Kruse, 420 26th St., Oakland. $1200

APARTMENTS
S ASHBY AVE 75 E College Ave., Berkeley. Two-story 15-room apartments.
Owner—Cora A. Henkle, 43d and Howe Sts., Oakland.
Architect—None.
Contractor—G. A. Scott, 685 23rd St., Oakland. $12,500
NOTE:—Recorded contract reported Dec. 30, 1921, No. 4584.

DWELLING
(19) N BURNETT 420 E San Pablo Ave., Berkeley. One-story 4-room dwelling.
Owner — Peter Fredrickson, 2319½ Haste St., Berkeley.
Architect—None.
Day's work. $1800

DWELLING
(20) SE FULTON AND ASHBY AVE., Berkeley. One-story 5-room dwlg.
Owner—W. P. Jacoby, 833 Market St., Berkeley.
Architect—None.
Contractor—L. M. Lyon, 597 17th St., Oakland. $4000

DWELLING
(21) S HILGARD 125 E Euclid, Berkeley. One-story 3-room dwlg.
Owner—P. R. Bowers, 2434 Channing Way, Berkeley.
Architect—None.
Contractor—H. A. Bowers, Santa Clara, Cal. $1250

ADDITION
(22) NO. 2213 VINE ST., Berkeley. Addition.
Owner—J. R. Driver, 2901 Shattuck Ave., Berkeley.
Architect—None.
Day's work. $1000

MARQUIS
(23) NO. 2119 UNIVERSITY AVE., Berkeley. Marquis.
Owner—Lesser Bros.
Architect—None.
Contractor—Federal Elec. Co. $1500

DWELLING
(24) NW FLEMING AND MODESTO Ave., Oakland. One-story 5-room dwelling.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $4150

DWELLING
(25) S FLEMING AVE 40 W Madera, Oakland. One-story 5-room dwlg.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLINGS
(26) N MODESTO AVE 240 and 280 E Fleming, Oakland. Two one-story 5-room dwellings.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750 each

DWELLING
(27) N MADERA AVE 40 E Fleming, Oakland. One-story 5-room dwlg.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3800

DWELLING
(28) S MODESTO AVE 280 E Fleming, Oakland. One-story 5-room dwlg.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLING
(29) E LAGUNA AVE 150 S Montana, Oakland. One-story 5-room dwlg.
Owner—Chas. Westwood, 3817 Clarke St., Oakland.
Architect—None.
Day's work. $2500

APARTMENTS
(30) E LEE 275 N Grand Ave., Oakland. Three-story 30-room apartments.
Owner—Daisy E. Queena, 1555 Madison St., Oakland.
Architect—None.
Contractor—Sommarstrom Bros., Co., 1941 24th Ave., Oakland. $33,500

ALTERATIONS
(31) NO. 3176 ALLENDALE AVE., Oakland. Alterations.
Owner—Alice May Fry.
Architect—None.
Contractor—J. B. Fullerton. $1000

ADDITION
(32) N E-SIXTEENTH ST. 150 W 35th Ave., Oakland. Addition.
Owner—A. Shaw, 3478 E-16th St., Oakland.
Architect—None.
Contractor—L. E. Van Ness, Box 433-A R. F. D. No. 1. $400

FOUNDATION
(33) SE COR. GRAND AND WEBster, Oakland. Conctert foundation
Owner—E. H. Wiel.
Architect—None.
Contractor — MacDonald & Kahn, 130 Montgomery St., San Francisco. $1000

APARTMENT
(34) E JACKSON ST. E 25 15th St., Oakland. Three-story 58-room apartment.
Owner—Geo. M. Magruder, 711 Lakeshore Ave., Oakland.
Architect—Chester H. Miller, 414 13th St., Oakland.
Contractor—Krause & Williams, 414 13th St., Oakland. $48,000

DWELLING
(35) W THIRTHY-SIXTH AVE. 200 S E-18th St., Oakland. One-story 4-room dwelling.
Owner—Henry Barkmeyer, 2919 E-16th St., Oakland.
Architect—None.
Contractor—Fred Barkmeyer, 5432 El Camile Ave., Oakanld. $2500

DWELLING
(36) W THIRTY-SIXTH AVE. 417 S E-18th St., Oakland. One-story 5-room dwelling.
Owner—H. A. Pleitner, 2919 E-16th St., Oakland.
Architect—None.
Contractor—F. P. Wells, 4034 Porter St., Oakland. $3000

STORAGE SHED
(37) NO. 1152-58 TWENTY-FIFTH AVE., Oakland. Storage shed.
Owner—Gold Metal Waterproofing Co.
Architect—None.
Days work. $500

ORN. IRON WORK
(38) NE E-FOURTEENTH ST. AND NW Stanley Ave NW 781.80 NE 1032.49 SE 780.90 SW 1031.69, Oakland. Ornamental iron work for reinforced concrete factory.
Owner—Durant Motor Co. of California through agt. P. J. Walker Co., Monadnock Bldg., San Francisco.
Contractor — Richard Lutge (Folsom St. Iron Works), 18th and Folsom Sts., San Francisco.
Filed Jan. 4, '22. Dated Dec. 19, '21
Tenth day of each month.....25%
Usual 35 days.....25%
TOTAL COST, $5,555
Bond, $2,778; surety, U. S. Fidelity and Guaranty Co.; limit, when required; forfeit, none. Plans and specifications filed.

DWELLING
(39) NO. 58 PORTSMOUTH ROAD, Piedmont. Two and one-half-story frame dwelling.
Owner—Harry P. Fisher, Syndicate Bldg., Oakland.
Architect—None.
Day's work. $1950

DWELLING
(40) NO. 1135 RALEIGH WAY, Piedmont. Two and one-half-story frame dwelling and garage.
Owner—James H. Young, 4174 Emerald St., Oakland.
Architect—None.
Day's work $4000

DWELLING
(41) NO. 1110 COLUSA Ave., Berkeley. One-story 6-room dwelling.
Owner—P. J. Pavert, 1st National Bank Bldg., Berkeley.
Architect—None.
Day's work $4750

DWELLING
(42) N OREGON 280 W California St., Berkeley. One-story 5-room dwlg.
Owner—Glenn R. Bell, 1433 Madison St., Oakland.
Architect—None.
Day's work. $2500

REPAIRS
(43) NO. 2112 PIEDMONT AVE., Berkeley. Fire repairs.
Owner—Phi Sigma Kappa, Premises.
Architect—None.
Contractor—A. H. Rose, 325 17th St., Oakland. $2900

GARAGE
(44) NO. 1301 TAMALPAIS, Berkeley. Garage.
Owner—L. H. Duschak, Premises.
Architect—None.
Day's work. $400

ALTERATIONS
(45) NO. 2099 UNIVERSITY AVE., Berkelely. Alterations.
Owner—S. B. Hoy.
Architect—None.
Contractor—F. R. Brayton. $450

DWELLING
(46) S AUGA VISTA AVE 540 E 38th Ave. Oakland. One-story 6-room dwelling.
Owner—J. W. Sigwald, 3038 Maine St., Oakland.
Architect—None.
Day's work. $3500

ALTERATIONS
(47) NO. 372 EUCLID AVE., Oakland. Alterations.
Owner—L. Shurtliet.
Architect—None.
Contractor—Schnebly & Hostrawser, 6th and Jackson Sts., Oakland $825

DWELLING
(48) E FAIRFAX AVE 125 N Foothill Blvd., Oakland One-story 8-room dwelling.
Owner—R. J. Pavert, 1st National Bk. Bldg., Berkeley.
Architect—None.
Day's work. $5750

ICE HOUSE
(49) S TWENTY-SIXTH 100 E Chestnut, Oakland. One-story reinforced concrete ice house.
Owner—Sanitary Ice & Storage Co.

Architect—None.
Contractor—Nelson & Forsyth, Easton Bldg., Oakland. $11,500

DWELLING
(50) S VIRGINIA AVE 25 E Beverly, Oakland. One-story 5-room dwlg.
Owner—Fred G. Turner, 2738 14th Ave., Oakland.
Architect—None.
Day's work. $2500

RECORDED

FACTORY
(51) NE E-FOURTEENTH AND NW Stanley Ave NW 781.80 NE 1032.49 SE 789.90 SW 1031.69, Oakland. Steel rolling doors for two-story reinforced concrete factory.
Owner—Durant Motor Co. of California through Agents P. J. Walker Co., Mondanock Bldg., San Francisco.
Architect—None.
Contractor — Waterhouse-Wilcox Co., 532 Market St., San Francisco.
Filed Jan. 4, '22. Dated Dec. 29, '21.
On 10th of each month..... 90%
Usual 35 days..... 10%
TOTAL COST, $2400
Bond, $1200. Surety, Fidelity & Deposit Co. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

FLATS
(52) W KEMPTON AVE 375 S Fairmount Ave. being Lot 125 Map Oak Park Tract, Oakland. All work for two-story flats.
Owner—Horace E Hare, Bank of Italy Bldg., Oakland.
Architect—None.
Contractor—S. G. Rankin, 712 Haddon Road, Berkeley.
Filed Jan. 5, '22. Dated Dec. 15, '21.
Rafters completed.....$1636.87
Plastered 1636.87
All building work completed 1636.87
Accepted 1636.88
.... TOTAL COST, $6547.50
Bond none Limit, 90 days after Jan. 1. Forfeit, $5. Plans and specifications filed.
NOTE—Permit reported Dec. 11 1921 No. 4437.

STORES AND GARAGE
(53) SE SAN PABLO AVE AND 25th St. S 110-10 E 137 N 100 W 186, Oakland. All work for one-story Class C stores and garage.
Owner—I. Rabinowitz, Oakland.
Architect—J. Cather Newsom, Syndicate Bldg., Oakland.
Contractor—M. F. Sommarstrom, 314, Champion St., Oakland.
Filed Jan. 5, '22. Dated Jan. 5, '22.
Window & door frames in place.$3375
Rough plumbing in..... 3375
Plastered 3375
Completed and accepted..... 3375
Usual 35 days..... 4500
TOTAL COST, $18,000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed
NOTE—Permit also applied for laday

DWELLING
(54) LOT 8 BLK "B" Map Elmwood Park, Berkeley All work for two-story 7-room dwelling.
Owner—Ellie Humphrey, 3151 Eton St., Berkeley
Architect—None.
Contractor—John A. Birchoff, 2717 Russell St., Berkeley
Filed Jan 5, '22 Dated Jan 3, '22
All bills paid by owner when due Contractor gets
30 days after work begun $250
60 days after work begun 250
90 days after work begun..... 250
Completed ..... Balance
TOTAL COST plus 10%
Bond, limit, forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
Jan. 5, 1922—LOT 8 BLK 10, Map Fourth Avenue Heights, Oakland. William J Baker to whom it may concern.....Jan. 5, 1922
Jan. 5, 1922—SIXTY-SECOND AVE No. 1381, Oakland. William Nightingal to J A McCord....Nov. 23, 1921
Jan. 5, 1922—LOTS 19 AND 20 BLK 2116 Map Alden Tract at Temescal, Oakland. Evelyn Ellis Smith to J E Sprague.....Jan. 3, 1922
Jan. 4, 1922—LOT 22 BLK "K" Map East Piedmont Heights, Oakland. Ventura and Mary Lewis to W E Whalin..... .....Dec. 24, 1921
Jan. 3, 1922—LOT 1, Prescott Tract, Oakland. Carl Cahnbley to whom it may concern.....Dec. 28, 1921
Dec. 31, 1921—W ALICE 1058 N 13th N 156xW 150, Oakland. Auto Palace Garages formerly The Service Garage Co, Inc to A J Hillam .....Dec. 30, 1921
Dec. 31, 1921—LOT 20 BLK 8, Rock Ridge Park, Oakland. Charles A and Charlotta T Wood to Victor R Gede.....Dec. 29, 1921
Dec. 31, 1921—FOOT MARKET ST., Oakland. Howard Co to Healy Tibbitts Co.....Dec. 31, 1921
Dec. 31, 1921—S 40 LOT 5 Grand Avenue Terrace, Oakland. S Morris and Olive Sager to whom it may concern.....Dec. 31, 1921
Dec. 29, 1921—W WILSON AVE 13 S Hopkins S 83-7 W 130 N 126-7 E 30 S 43 E 100, Oakland. Mrs. Genevieve Anita Webb to Jos Flittner .....Nov. 30, 1921

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
Jan. 3, 1922—LOT 8 and W 12½ Lot 7 Blk 16, Amended Map Sunset Terrace, Albany. Stege Lumber & Hardware Co vs E Cushing, R F and Adeline Daniels $200
Dec. 31, 1921 — SW E-TWENTY-First 390 SE 5th Ave SE 40xSW 125, Oakland. W J Wilkinson vs Amelia H and W Henry.....$650.47
Dec. 30, 1921—PTN LOT "F" BLK 17, Map Claremont, Berkeley. W P Jones vs Edwin T Cooper...$1124.34

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount
Jan. 5, 1922—LOTS 13 AND 14 BLK A Map 4th Ave Park, Oakland. Thos F Rigney, $116.40; Ambrose Bros, $130 to J A McCord and H P Evans
an. 3, 1922—W 40 LOT 33 Lull's Subdivision Vernon Park Tract, Okd. Sunset Lumber Co to C J Allen... .....$169.50

HOMESTEADS

ALAMEDA COUNTY

Jan. 4, 1922—W CHESTNUT 115 S Buena Vista Ave S 35xW 108, Alameda. Anna Krieger (wf Henry) $4000
Jan. 3, 1922—LOTS 29 AND 30 BLK 8 4273 Map Kinnell Tract No. 2, Oakland. Frencesco E. Angelino. $275
Jan. 2, 1922—N ISABELLA 375 W San Pablo Ave W 25xN 139-2¼, Okd Alessandro Guabello $3250
Jan. 3, 1921—472 ACRES being pin 64.02 acre tract described, deed from Mutual Investment Co to Realty Syndicate Co, Liber 1047 Deeds Page 28, Oakland. Nora M Anderson (wf James W).....$2500

RECISSION OF BUILDING CONTRACT

ALAMEDA COUNTY

Jan. 5, 1922—I. Rabinowitz with M. F. Sommarstrom. Dated Dec. 28, 1921; Recorded Dec. 29, 1921.

CITY OF OAKLAND BUILDING TOTALS FOR DECEMBER, 1921

Classification of Buildings	No. Permits	Cost
1S Dwellings	159	380,310
1S 2 Family Dwelling	1	4,150
1S Dwelling and Stores	1	3,000
1½S Dwellings	3	12,500
2S Dwellings	9	55,750
2S Flats	6	55,500
2S Flats and Stores	1	8,728
2S Apartments	1	7,000
2S Apartments and Stores, Add'l Cost	1	700
3S Apartments	1	19,800
3S Hotel	1	60,000
1S Dining Room and Kitchen	1	11,900
1S Warehouse	2	4,390
1S Factory	2	6,500
2S Lumber Shed	1	5,000
Paint Shop	3	5,500
1S Stores	3	4,600
2S Brick Store and Warehouse	1	25,000
1S Brick Bank Bldg	1	34,000
1S Brick Service Station	1	1,000
1S Tile Service Station	1	450
1S Tile Shop	1	3,500
1S Tile Garages	3	9,750
2S Re. Con. Church Bldg.	1	29,719
2S Re. Con. Flats and Stores	1	10,000
2S Re. Con. Auto Fact'y	1	750,000
4S Re. Con. Hospital	1	480,000
1S Concrete Garages	2	38,700
1S Concrete and Steel Power House	1	16,500
1S Steel Gas Holder	1	4,000
Electric Signs	15	5,965
Tank Frames	3	1,035
Boiler Room	1	1,500
1S Frame Garages	135	24,202
Additions	50	26,216
Alterations and Repairs	85	42,891
TOTAL	500	2,149,756

SUMMARY

New Construction	415	$2,106,865
Alteration and Repairs	85	42,891
Total....	500	$2,149,756

BUILDING CONTRACTS

SACRAMENTO COUNTY

DWELLING
NO. 308 FORTY-FIRST ST., Sacramento One-story 4-room dwelling.
Owner—G. Dufour, 2412 F St., Sacramento.
Architect—None.
Contractor— C. J. Hopkins, 1318 25th St., Sacramento. $1600

ICE PLANT
NO. 1801 FOURTH ST., Sacramento. Install ice plant.
Owner—Okl Co. and K. Okl, 4th and L Sts., Sacramento.
Architect—None.
Contractor—S. Kubota, 1417 4th St., Sacramento. $1000

DWELLING
NO. 1633 THIRTY-SIXTH ST., Sacramento. Dwelling.
Owner—Chas. O'Neil, 2117 15th St., Sacramento.
Arcvhitect—None.
Day's work. $500

REPAIRS
NO 1916 TWENTY-FIRST ST., Sacramento. General repairing.
Owner—J. Duffee, 1321 P St., Sacramento. $[illegible]
Architect—None.
Day's work. $400

REPAIRS
NO. 231 Q ST., Sacramento. General repairs.
Owner—John M. Teicheiro, 314 R St., Sacramento.
Architect—None.
Day's work. $1000

GRANDSTAND
Y ST. AND RIVERSIDE BLVD., Sacramento. Grandstand.
Owner — C. L. Morling, Ochsner Bldg., Sacramento.
Architect—None.
Contractor—Ira C. Boss, 2615 K St., Sacramento. $55,000

FRAME FLATS
NO. 2016 SIXTH ST., Sacramento. Two-story frame flats.
Owner—John Semas, 205 W St., Sacramento.
Architect—None.
Contractor—F. V. Lopez, 2100 3rd St., Sacramento. $3000

AUTO SALES BLDG.
LOT 4, J, K, 15th and 16th Sts., Sacramento. Three-story and basement brick and reinforced concrete auto sales building.
Owner—W. I. Elliott Co.
Architect—Jens C. Petersen, People's Savings Bank Bldg., Sacramento.
Contractor—Geo. D. Hudnutt, Inc., California Fruit Bldg., Sacramento.
Filed Jan. 3, 1922; Dated Dec. 30, 1921. $77,529

DWELLINGS
NO. 2016 and 2020 FIFTH ST., Sacramento. Two one-story 5-room dwellings.
Owner—M. F. Terra, 2315 19th St., Sacramento.
Architect—None.
Day's work $1500 each

REPAIRS
NO. 512 K ST., Sacramento. General repairs.
Owner—F. E. Bauer, 1008 7th St., Sacramento.
Architect—None.
Contractor —M. Baran, 817 17th St., Sacramento. $500

DWELLING
NO. 751 FORTY-SECOND ST., Sacramento. One-story 5-room dwelling
Owner—F. B. Mosier, 733 42nd St., Sacramento.
Architect—None.
Contractor—Warren & Beebe, 3991 4th Ave., Sacramento. $3800

FRAME FLATS
NO. 2021 EIGHTH ST., Sacramento. Two-story frame (4) flats.
Owner—S. Uren, 814 U St., Sacramento.
Architect—None.
Contractor—Warren & Beebe, 3991 4th Ave., Sacramento. $9400

GARAGE
NO. 2514 N ST., Sacramento. Private garage.
Owner—A. A. O'Kane, 1419 13th St., Sacramento.
Architect—None.
Day's work. $600

REPAIRS
NO. 605 J St., Sacramento. General repairs.
Owner—R. Giorgi, 1430 T St., Sacramento.
Architect—None.
Contractor—C. Vanina, 2022 M St., Sacramento. $1500

DWELLING
NO. 2209 SECOND AVE., Sacramento. One-story 5-room dwelling.
Owner—A. A. Hoffman, 3236 T St., Sacramento.
Architect—None.
Days work. $2000

DWELLING
NO. 1250 THIRTY-THIRD ST., Sacramento. One-story 5-room dwelling.
Owner—H. Richter, 1617 W St., Sacramento.
Architect—None.
Contractor—Carl Kock, 3418 L St., Sacramento. $2500

BUTCHER SHOP
NO. 2201 SEVENTEENTH ST., Sacramento. Butcher shop.
Owner—Agosto Marais, 2318 3rd St., Sacramento.
Architect—None.
Contractor—C. Valine. $1900

DWELLING
NO. 1239 FORTY-FOURTH ST., Sacramento. Two-story 9-room dwelling.
Owner—Dr. F. J. Hunger, Park View Apartments, Sacramento.
Architect—None.
Days work. $10,000

BUILDING CONTRACTS

FRESNO COUNTY

DWELLING
NO. 3833 ILLINOIS AVE., Fresno. Dwelling.
Owner—M. C. R Nelsen, 1766 L St., Fresno.
Architect—None.
Day's work. $4000

DWELLING
NO. 2030 DEL MAR AVE., Fresno. Dwelling.
Owner—Hughson, Swett & Reiss, 2140 Tulare St., Fresno.
Architect—None.
Day's work. $1450

DWELLINGS
NO. 802 AND 810 HARRISON ST., Fresno. Two dwellings and garages.
Owner—R. C. Kennedy, Mason Bldg., Fresno.
Architect—None.
Day's work. $3000 each

DWELLING
NO. 1250 POPLAR AVE., Fresno. Dwelling.
Owner—W. E. Bassett, 1260 Poplar Ave. Fresno.
Architect—None.
Contractor—Yarnell & Garges, 1026 S-4th St., Fresno. $5500

ADDITION
NO. 815 ABBY ST., Fresno. Addition to dwelling.
Owner—Ethel Booton, 924 N St., Fresno
Architect—None.
Day's work. $1500

DWELLINGS
NO. 1207, 1209 and 1201 S-THIRD ST. and 3340 Liberty St., Fresno. Four dwellings and garages.
Owner—J. C. Morris.
Architect—None.
Day's work. 2 $1800 each; $2000 and $3250 respectively.

DWELLING
NO. 318 GLENN AVE., Fresno. Dwelling and garage.
Owner—C. E. Wells.
Architect—None.
Contractor—P. A. C. Williams. $3000

DWELLING
NO. 3151 NEVADA AVE. Fresno. Dwelling.
Owner—G. M. Grimes.
Architect—None.
Contractor—C. E. Buckmaster. 3220 Platt St., Fresno. $2500

DWELLING
NO. 1045 FERGER ST., Fresno. Dwelling.
Owner—Andrew Chitty, 1105 Del Mar St., Fresno.
Architect—None.
Day's work. $3500

ALTERATIONS
NO. 1205 BROADWAY, Fresno. Alter store.
Owner—Cartwright & Barnhill, 1203 I St., Fresno.
Architect—None.
Day's work. $950

PAVEMENT
REEDLEY. Asphaltic concrete pavement between tracks and 2 ft. outside thereof on 8th and 13th Sts., West and South Aves.; grading on 8th and 13th Sts., Reedley.
Owner—Southern Pacific Company.
Architect—None.
Contractor—Federal Constr. Co., Call Bldg., San Francisco.
Filed Jan. 3, '22. Dated ——.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST—Grading, 5c sq. ft.; paving, 26c sq. ft.
Bond, $1800. Surety, American Indemnity Co. Limit, forfeit, plans and specifications, none.

BUILDING
MARIPOSA AND N STS., Fresno. Building.
Owner — Fresno County American Legion.
Architect—None.
Day's work. $15,000

DWELLING
NO. 4111 PLATT AVE., Fresno. Dwelling.
Owner—E. E. Sonniksen.
Architect—None.
Day's work. $4000

ADDITION
NO. 1761 E ST., Fresno. Add to garage.
Owner—E. M. Merrell.
Architect—None.
Day's work. $600

COMPLETION NOTICES

FRESNO COUNTY.

Recorded Accepted
Dec. 31, 1921—LOT 5, Maple Park, Fresno. Lillie M Carter to whom it may concern.....Dec. 30, 1921
Dec. 31, 1921—LOT 7 BLK 11 North Park Terrace, Fresno. E. L. Morris, et. ux., to whom it may concern.....Dec. 29, 1921
Dec. 29, 1921—LOT 37 S ½ LOT 38 Blk 6, Van Ness Heights, Fresno. V E Barron to whom it may concern.....Dec. 24, 1921

LIENS FILED

FRESNO COUNTY

Recorded Amount
Dec. 31, 1921—LOTS 12 AND 13 BLK 10, Arlington Heights Tct, Fresno. L C Wait and A B Perry vs E F Lacour, D L and Rosa L Smith....$90
Jan. 3, 1922—LOT 16 BLK 2, St. Francis Wood, Fresno. M E Summers vs J H and Mabel L Kahn..$450

BUILDING CONTRACTS

SAN MATEO COUNTY

RESIDENCE
LOT 218 BLK—San Mateo Park, San Mateo, Cal. Furnish and build except heating, light fixtures and shades; two-story frame residence, garage 20x24 included.
Owner—John H. Sward, San Mateo, Cal.
Architect—C. J. Burchard, care of Christenson Lumber Co., 1950 3rd, St., San Francisco.

Contractor—C. H. Besset Building Co., 660 Market St., San Francisco.
Filed Dec. 29, '21. Dated Dec. 29, '21
Frame up 25%
Out and In plaster completed....25%
Completed and accepted.....25%
Usual 35 days.....25%
TOTAL COST $16,454
Bond, limit, forfeit, none. Plans and specifications filed.

BUILDING
CALIFORNIA SANITORIUM, 1¾ miles west of Belmont. Furnish and construct two-story frame building.
Owner — California Sanatorium, Belmont, Cal.
Architect—None.
Contractor — L. Diogardi, Redwood City, Cal.
Filed Dec. 29, '21. Dated Dec. 24, '21
Floor joist on.....$2858.75
Brown Coat of Plaster..... 2858.75
Completed and accepted..... 2858.75
Usual 35 days..... 2858.75
TOTAL COST, $11,435
Bond, $5,718; surety, Waltin Anderson and John W. Coats; limit, 90 working days; forfeit, none. Plans and specifications filed.

APARTMENTS, ETC.
BURLINGAME AVE. adjoining Lot 2 Blk 11, Map Burlingame Land Co., Burlingame. All work for two-story frame apartment and garage.
Owner—H. L. Miller, 1200 Burlingame Ave., Burlingame.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Contractor—Larsen-Siegrist Co., Inc., 807 Claus Spreckels Bldg., S. F.
Filed Dec. 29, '21. Dated Dec. 28, '21.
Frame completed $2000.00
Roof on & exterior sheathed 2500.00
Interior plastered 2500.00
Completed 7427.75
Usual 35 days..... 4809.25
TOTAL COST, $19,237.00
Bond, $9618.50. Sureties, George MacGruer and Thomas J. Bennett. Limit, 90 working days from Jan. 2, 1922. Forfeit, $10. Plans and specifications filed.

APARTMENTS
LOT 29, Taylor Addition to San Mateo. All work for two-story frame store and apartment house.
Owner—Louis Rebele, 509 Highland Ave., San Mateo.
Architect—T. M. Edwards, 833 Market St., San Francisco.
Contractor—Thomas J. Broderick, 1520 Cypress St., Burlingame.
Filed Jan. 3, '22. Dated Dec. 31, '21.
Frame completed $2989
Brown coat in and exterior plastered 2989
Completed 2989
Usual 35 days..... 2989
TOTAL COST, $11,956
Bond, $6000. Sureties, Walter Allerson and J. F. McCann. Limit, 90 working days. Forfeit, $10. Plans and specifications filed.

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COMPLETION NOTICES

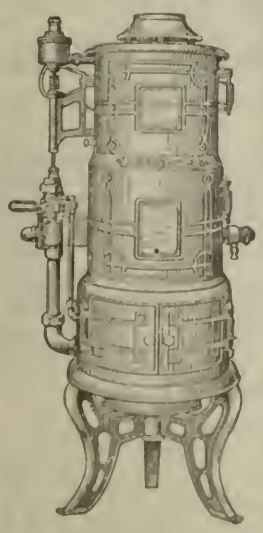
SAN MATEO COUNTY

Recorded Accepted
Jan. 4, 1922—LOT 12 BLK 4, East San Mateo. Albert M Freise to whom it may concern.....Dec. 30, 1921
Jan. 4, 1921—LOT 199 in official Map 3, San Mateo. Alfred B Swinerton to Lindgren Co.....Dec. 20, 1921
Jan. 3, 1922—LOT 11 BLK 28, Crocker Estate Tract Sbdvn No. 1, San Mateo. Jeanie D East to whom it may concern.....Dec. 31, 1921
Dec. 28, 1921—LOT 26 BLK 7 Sub. No. 2, Burlingame Park, Burlingame. H E Williamson to whom it may concern.....Dec. 22, 1921

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
Jan. 14, 1922—PTN LOT 1 BLK 26, Oak Knoll Manor near Redwood City. A W Yrinunenstein vs Gertrude E Gough and Anglo California Trust Co $121.80
Dec. 30, 1921—HOMESTEAD near Town of San Mateo. H Parnell vs Antonie Alfred Borel and Frank H Boring $620
Dec. 30, 1921—HOMESTEAD adj to Town of San Mateo. American Marble & Mosaic Co vs Antoine Alfred Borel and Frank H Boring $115
Dec. 30, 1921—HOMESTEAD near San Mateo. Frank H Boring vs Antoine Alfred Borel.....$14,281.57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BUILDING CONTRACTS

SANTA CLARA COUNTY

HOTEL
GILROY, Cal. Plastering, wood and wire lathing, all corner beads, all hardwall and cement plaster work, Keen's cement work for three-story hotel building.
Owner—Geo. Milias, Gilroy, Cal.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Contractor—J. C. McLeod, San Francisco.
Filed Dec. 30, '21. Dated Dec. 6, '21.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $13,393
Bond, $6696.50. Surety, Globe Indemnity Co. Limit, 40 days from Dec. 6, 1921. Forfeit, none. Plans and specifications filed.

SHEET METAL WORK ON ABOVE.
Contractor—Robinson Hardware Co., Gilroy.
Filed Dec. 30, '21. Dated Nov. 15, '21.
Payments same as above.....
TOTAL COST, $1,924.25
Bond, none. Limit, 60 working days from Nov. 15, 1921. Forfeit, none. Plans and specifications filed.

COTTAGE
PARK AND JOSEFA STS., San Jose. Four-room cottage.
Owner—Mrs. J. Taffe.
Architect—E. A. McLean, 573 University Ave., San Jose.
Contractor—Globe Mfg. Co. $2200

COTTAGE
NO. 1220 E-SAN FERNANDO ST., San Jose. Five-room cottage.
Owner—F. Baggot, 820 Spring St., San Jose.
Architect—A. J. Nielson.
Contractor—A. J. Nielson, 358 N-4th St., San Jose. $3000

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Dec. 30, 1921—SAN JOSE. Hannah Adams to Carl C Maurer. Dec. 26, 1921
Dec. 30, 1921—SAN JOSE. A J Bowen to whom it may concern. Dec. 23, 1921

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded Amount
Dec. 29, 1921—SAN JOSE. Hubbard & Carmichael Bros to A Anderson, Rocco Martorano, Jennie Martorano and Michele Martorano.....$143.14

STANDARDIZATION OF RAILROAD TIES

The American Railway Engineering Association and the U. S. Forest Service have been designated by the American Engineering Standards Committee as joint sponsors for the unification of specifications for wood cross ties and switch ties for all classes of use including mining ties. The work is to include the grouping of ties with regard to preservative treatment, but not methods of treatment; and inspection rules. This action is in accordance with the recommendations of a conference on railroad ties, to which the following organizations had designated representatives: American Railway Assn.; American Railway Engineering Assn.; American Society of Civil Engineers; American Society for Testing Materials; National Association of Railroad Tie Producers; National Hardwood Lumber Assn.; National Lumber Manufacturers Assn.; U. S. Department of Commerce; U. S. Forest Service.

For carrying out the work there will be organized by the sponsors a sectional committee having accredited representatives of the above organizations and of the American Mining Congress, and the American Wood Preservers Association.

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There is such a thing as too pure lead for roofing purposes. The ancient Gothic cathedrals of Europe were topped with this grey metal that blended well with the stone work and the style of architecture.

Lead was the metal that was specified for the roof of the Episcopal Cathedral of Washington which is now being built, but after it had been applied for some time, it was found that sheet lead on the steep roof slopes had a tendency to flow downward under its own weight and the heat of the sun. The nail holes enlarged and allowed the metal to slip partially off.

Metallurgists of the Bureau of Standards of the Department of Commerce were called upon and they found that the grade of commercial lead used was 99.9 per cent pure, far too pure for satisfactory roofing. The recommended the use of what is technically called "hard lead," which contains approximately six per cent antimony.

Lead roofs on European cathedrals have lasted for 300 to 500 years, and the metallurgists are of the opinion that lead as manufactured in those days had impurities sufficient to harden it for roofing use.

ROAD IMPROVEMENTS IN MEXICO

Assistant Trade Commissioner R. M. Connell

The needs of the various States of Mexico were presented before the National Good Roads Congress held in Mexico City from September 5 to 11, 1921, and recommendations were made for the financing of road construction. As the Federal contributions from the States and Territories have been reduced by decree from 50 per cent to 25 per cent, it is proposed to require the States and Territories to make up 10 or 15 per cent of this reduction by appropriations for road construction. In fact, this is considered to have been the reason for the reduction in the Federal taxes. An American company is bidding on the road from Monterey to Laredo and definite projects have been made for various roads out of Aguascalientes.

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Building & Engineering News

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Publication Office
560 Mission Street

SAN FRANCISCO, CALIF., JANUARY 14, 1922

Published Every Saturday
Twenty-second Year No. 2

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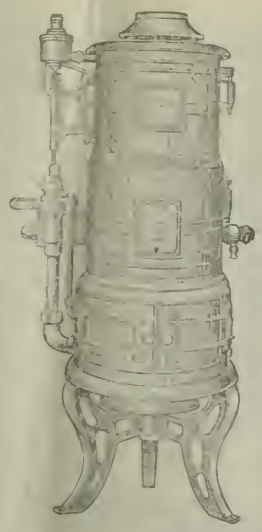

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

ssued Every Saturday SAN FRANCISCO, CALIF., JANUARY 14, 1922 Twenty-second Year No. 2

Building & Engineering News

No. 560 Mission Street,
San Francisco, Calif.

MRS. L. A. LARSEN, Publisher
J. P. FARRELL, Managing Editor

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Official Paper of Vallejo Builders' Exchange

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Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

S. F. Firms Will Exhibit at Stockton Building Exposition

That the movement to make a big success of the Stockton Architectural and Building Exhibit, to be held January 21st to 28th, at Hotel Clark, has met with unbounded enthusiasm and support from manufacturers and dealers in building materials and those interested in the building industry in general, is the encouraging statement made by Glenn Allen, president of the Stockton Architects' Association, under the auspices of which the exhibit will be held.

As chairman ex-officio of the various committees in charge, Architect Allen was in San Francisco recently for four days, aranging for the different displays, which are to be so selected that there will be no duplication of the materials shown.

Two sets of scenery for the two shows to be given during the week of the exhibit at the Colonial Theater have been designed by members of the Architects' Association and are being painted by the Faggioni company studios of San Francisco.

A view of Stockton in 1930 is to be depicted on the first set of scenery which will be used in the play of the first of the week, entitled "Hiram, the Contractor," and the other is an Egyption setting to form the stage background in "Hiram, the Architect," during the last of the week.

A number of industrial films showing how different kinds of building materials are produced will be run by the local motion picture theaters during exhibit week, according to Mr. Allen, and he says that following the exhibit the Architects' Association is to run a publicity campaign to acquaint the people of Stockton with matters concerning the prices of building materials, economical methods of building, new types of construction brought about by the war, economical use of materials and the new kinds recently put on the market. This will be done by means of newspaper articles.

All of the local dealers in building materials, planing mills and hardware stores are to be represented in the exhibit, as will many of the big manufacturers of plumbing fixtures throughout the country. The Faggioni studios of San Francisco will have a display of materials used in interior decoration. There will be exhibits of floor and wall tile by local dealers representing the factories in California and the east.

Elaborate displays of electrical devices will show in how many ways electricity can be used in the home, and there will be films portraying the production and making of incandescent lamps, and also a lecture on the uses of electricity, under the auspices of the Co-operative Electrical Association of California.

Some of the San Francisco firms that have most recently reserved space at Hotel Clark for exhibit, and what they will put on display, are: United States Metal Products company, metal window frames and sashes; Hoff Magnesite company, composition flooring; Waterhouse-Wilcox company, building specialties, and the McGilvary Granite company, California granite and building stones.

The Indiana Limestone Quarrymen's Association will display limestone, and the company of Detroit will have an exhibit showing the use of metal lumber for a cheap method of fireproof construction.

Everything will be free at the exhibit, which as far as known is the only one of its kind ever held for educational purposes only, and for this reason, it is said, local dealers and those in San Francisco, as well as manufacturers in the east, are taking a keen interest in it.

The committees in charge and those composing them are as follows: Exhibits, E. B. Brown, William J. Wright, I. C. Satterlee, Victor Galbraith, L. S. Stone; Architectural Displays, E. B. Brown, J. U. Clowdsley, Peter L. Sala, Franklyn E. Warner; Publicity, J. M. Burke, R. P. Morrell, Frank V. Mayo; Entertainment, Peter L. Sala, Joseph Losekan, Charles Young.

KLUEGEL, SAN FRANCISCO ENGINEER, HEADS STATE WATER COMMISSION

Harry A. Kluegel, San Francisco engineer and a major in the Western Division of the War Department during the world war, has been appointed chief of the division of water rights of the State Department of Public Works.

Kluegel succeeds Charles H. Lee, who was ousted from the position by Austin B. Fletcher, director of the Department of Public Works, about a month ago, as the result of a controversy over moving the division of water rights to this city.

Fletcher took the stand that the division of water rights, formerly known as the State Water Commission, should be removed from San Francisco to Sacramento in the interests of efficiency. Lee protested the proposed move in letters to Fletcher and was asked for his resignation. When this was not forthcoming he was notified that he had been dropped from the state payroll.

It is understood that Director Fletcher is going ahead with his plans to move the Water Commission to Sacramento, but it will probably remain in San Francisco temporarily.

ELECTRICAL DEALERS TO MEET

The California State Association of Electrical Contractors and Dealers will meet in the Travelers Hotel, Sacramento, January 21. The division executive committee will meet at 9.30 A. M. At 12.30 P. M. the committee of motor dealers and repairmen will meet at luncheon. General meetings will be held at 2.00 and 6.30 P. M. The steamer Pride of the River, has been especially chartered for the occasion and will leave the Jackson street pier at 6 P. M., Friday, January 20.

ENGINEERING PRIZES WON BY U. C. MEN

The American Society of Mechanical Engineers announce its junior prize for turbinical papers has been awarded to S. Logan Kerr of Philadelphia.

Prizes for the best papers submitted by members of the society's student branches in fifty-one American colleges and technical schools were awarded Carl H. White of the University of Kansas and Richard H. Morris and Albert J. L. Houston, jointly, of the University of California.

Morris and Houston both received their A. B. and B. S. degrees at the University of California in 1920, returning the fall of that year for the semester of mechanics.

Morris' home is in Venice, Cal. Houston lives in Palo Alto and is a member of the Chi Thi fraternity.

FEDERAL HIGHWAY GRADE CROSSINGS TO BE ELIMINATED

Grade crossings will be eliminated wherever possible and replaced with bridges or underpasses on all roads of the federal aid highway system to be constructed under the Federal Highway Act, the U. S. Bureau of Public Roads announces. Important roads many of which at present cross and recross railroads at grades, hereafter will be built entirely on one side of the railroad even though this increase the cost of construction, or, if crossings are unavoidable or justified by local interests the road will pass over or under the track, the railroads in most instances of this kind bearing half the cost of building the bridge or underpass. In the three years ended with 1920, according to records available at the bureau, 3636 lives were lost and 10,644 persons were injured at grade crossings in the United States.

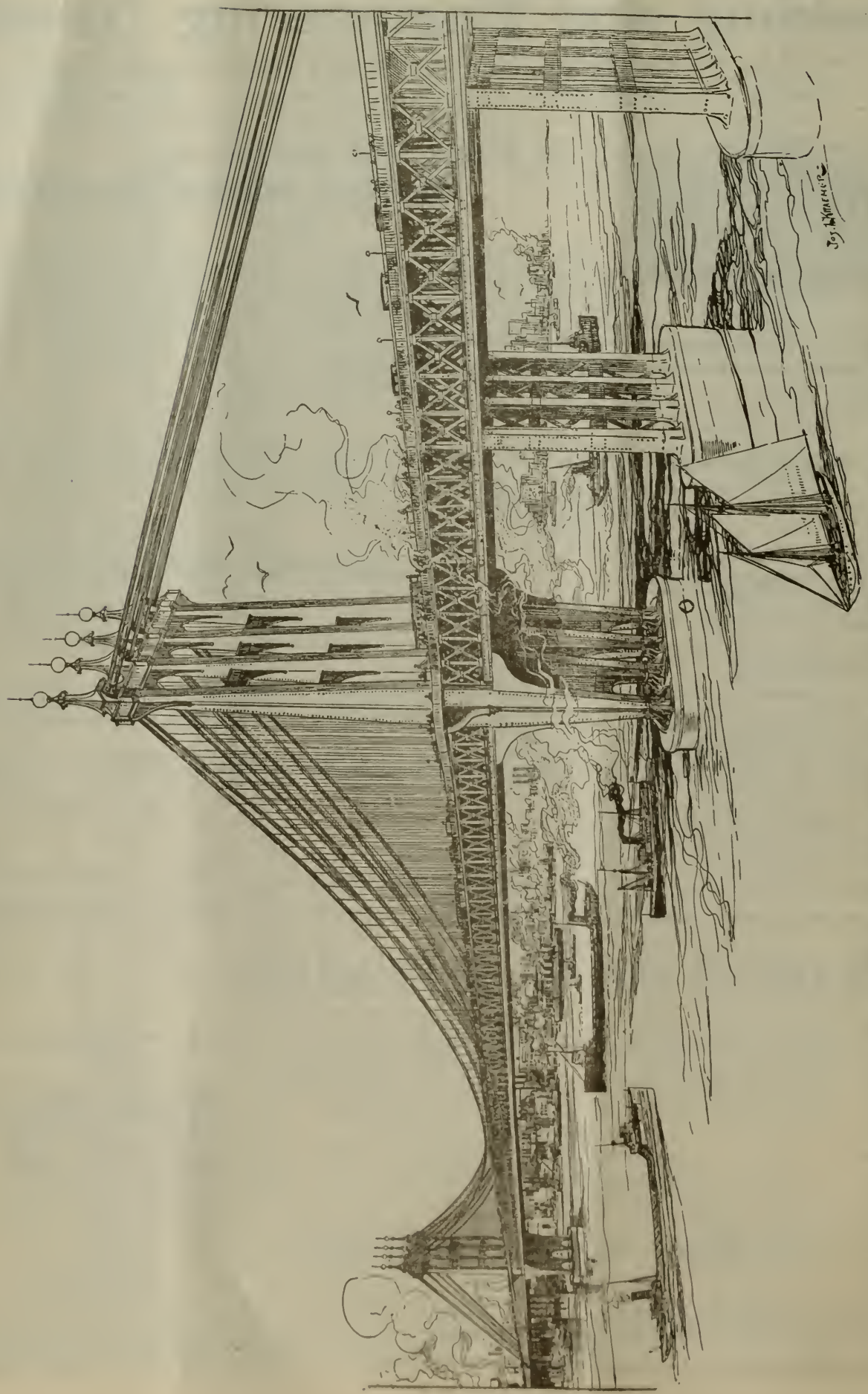

FIG. 1.—DETROIT-WINDSOR EIGHT-CABLE SUSPENSION BRIDGE OF 1,802 FOOT SPAN

THE DETROIT-WINDSOR BRIDGE

Development of the plans for the Detroit River bridge to connect Detroit and Windsor, a project that has been under consideration during the past two years, has progressed far enough to put into concrete form some of the outstanding individual features of the proposed structure. A span of 1802 ft. center to center of towers will be required, and for this purpose a suspension bridge with unloaded backstays, carrying two decks for separate accommodation of railway and highway traffic, has been designed. The plan has been adapted to the requirement of construction in two stages, the highway deck to be constructed first and the railway deck to be added later together with the cables and extra stiffening-truss capacity required to take care of it. The unprecedented span length and the high load capacity necessary for the service to be carried made the design a difficult problem. Some drawings of the design prepared by Charles Evan Fowler, chief engineer, and D. B. Steinman, assistant to the chief engineer, are reproduced herewith.

of four posts in the vertical planes of the four pairs of cables (one pair to each stiffening-truss.) A sag ratio of one-tenth has been adopted, with stiffening-truss depth one-fiftieth of the span length; a sag ratio of one-ninth and a truss depth of one-sixtieth are being investigated for economy, deflection and general appearance of the structure. The sag in question is the mean of that of upper and lower cables. The two decks are spaced the full depth of the trusses. The lateral system has a paneling of four times the length of the stiffening-truss panel.

On account of the heavy loading, special effort has been made to utilize the material to fullest efficiency by careful adaptation of the unit stresses to the available strength. For the floor, normal concentrations have been taken into account, including E60 loading on the railway deck, with impact 50 per cent of that specified by the Pencoyd formula, for railway speed of 20 m. p. h.; for the major elements of the structure, a total live load of 36,000 lb. per lineal foot of bridge (24,000 lb. for four railway tracks, 5,000

The railway and highway floors will however absorb nearly half the lateral force. A temperature variation of 60 degrees F. above and below mean was allowed for. The suspended dead load for the design as worked out amounts to 37,700 lb. per lineal foot, of which the cables and suspenders make up 6,700 lb. and the four trussess 16,500.

Unit stresses have been applied as follows, the two stresses given being in each case extreme and working, respectively: Cables, 100,000 and 85,000; suspenders, 50,000 and 40,000; alloy steel for towers and trusses, 45,000-150 l/r and 30,000-120 l/r; structural steel, 20,000-80 l/r. The extreme stresses are to be applied to congested loading and temperature, or to normal loading with temperature and wind. The working stresses are to be applied to normal load and temperature, or to empty bridge with temperature and wind.

Eight cables proved necessary primarily because of the long span and great load. Cables of 21 in. diameter were considered the largest practicable for construction and efficiency. How-

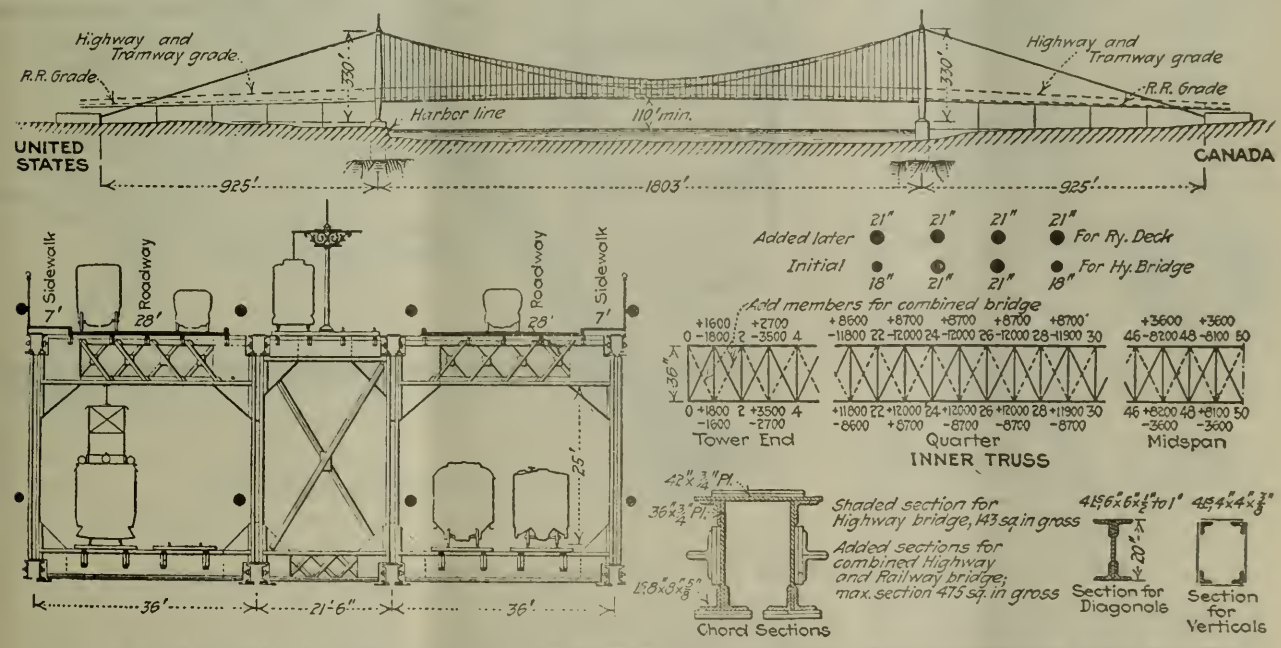

FIG. 2—DIMENSIONS AND STRUCTURAL ARRANGEMENT OF PROPOSED DETROIT-WINDSOR BRIDGE-TRUSS REINFORCEMENT WHEN SECOND DECK IS ADDED

During the past few months the interest back of the bridge have obtained the necessary authority from Congress and from the Dominion Parliament through the granting of charters to an American and a Canadian company for the construction of the bridge. These companies have since been organized for joint action. Arrangements have also been concluded with a security brokerage house to sell the bonds and stock of the enterprise. In the meantime an advisory board of engineers has been formed, comprising George H. Pegram, Prof. William H. Burr, C. N. Monsarrat and Prof. C. R. Young.

The principal dimensions of the structure are given in Fig. 2 herewith. The towers are of steel, consisting each

lbs. for two trolley tracks, and 7,000 lb. roadway and sidewalk load.) This is regarded as full or "congested" loading, a condition that would probably never be possible of realization as a test load, and to which extreme unit stresses might be applied. The normal live load, for the application of normal unit stresses, is made up of three-quarters of the congested railway load (four tracks at 1,500 lb.), 40 per cent of the trolley load (two tracks at 1,000 lb.), and half the roadway and sidewalk loading (50 lb. per sq. ft.), making a total of 23,500 lb. per lineal foot of bridge, or 65 per cent of the congested loading. Wind was computed at 30 lb. per sq. ft. of exposed surface, including the projected surface of two trusses and train and traffic loading, a total of 1,850 lb. per lineal foot of bridge, considered as a moving load.

ever, this arrangement also afforded a ready solution of the problem of two-stage construction. Six of the eight will be 21 in. in diameter, containing 7,980 parallel wires each, of 0.192 in. diameter, galvanized. Two of them will be 18 in., with 6,700 wires of the same size. Wire of 215,000 lb. ultimate and 70% elastic limit was counted on, though material of about 10% higher elastic value may be obtained. The cables are to be continuous from anchorage to anchorage, and to be wrapped with No. 9 soft annealed galvanized steel wire; the suspenders will be pairs of galvanized wire ropes 1¾- and 1⅞-in. diameter. Maximum cable stress amounts to 19,700,000 lb. for a 21-in. cable, under normal load with temperature.

As the development of railroad traffic arrangements and connections is be-

Reprint Pacific Builder and Engineer, Seattle, Wash.

lieved likely to delay the realization of the project if construction to full capacity at the start is contemplated, the present intention is to build a highway bridge first, under such method of construction that only so much is built as is necessary to support the highway deck, while at the same time the additional supporting and carrying structure for the railway deck can be provided by direct attachment to the original bridge. Accordingly the design is such that the four lower cables (inner 21 in., outer 18 in.), the four stiffening-trusses, and the entire upper deck structure could be built first, but with the omission of one (of two separate) web systems and of reinforcing plates of the chords of the stiffening-trusses. The second or upper set of cables would be reeved and assembled only when the railway or lower deck is required. These cables, separated near midspan from the lower ones by a height of some 20 ft., are to pass over saddles directly above the saddles of the lower cables fixed at the base would be more than twice as heavy.

The stiffening trusses were designed two-hinged for reduction of deflections and to avoid high suspender loads near midspan such as may occur with a center hinge; the weights of two-hinged and three-hinged truss were found to be about equal for the conditions of the Detroit bridge.

Unloaded backstays were used primarily on account of a curve in the railway approach, but the avoidance of large deflections in the side spans and decrease of main-span deflection were considered weighty additional reasons for this type as against loaded backstays, although there was little difference in economy between the two arrangements.

For the anchorage the novel construction sketched has been devised to provide for direct transfer of the cable pull to the underlying rock with a concrete anchorage block only heavy enough for the desired solidity of construction and for the purposes of brac-

The last preliminary difficulties were overcome November 9th, when the directors and officials of the American company met with the Michigan Public Utilities Commission and reached an agreement with the commission as to how such securities could be sold and the manner in which they should be sold. The same day it was agreed that $30,000,000 in securities should be issued; and an open mortgage was given to the Guaranty Trust Company of Detroit, and filed in Detroit and at Ottawa, for that amount.

The Board of Directors of the American company includes members from both Detroit and Canada, the interests of both sections being intimately related. W. B. Gregory of Gregory, Mayer & Thom, is president of the company and as president is a director. Other directors are Hiram H. Walker, vice-president; J. W. Austin, Detroit Graphite Company, treasurer; Charles Evan Fowler, second vice-president and secretary; W. J. Pulling, president of the Canadian Transit

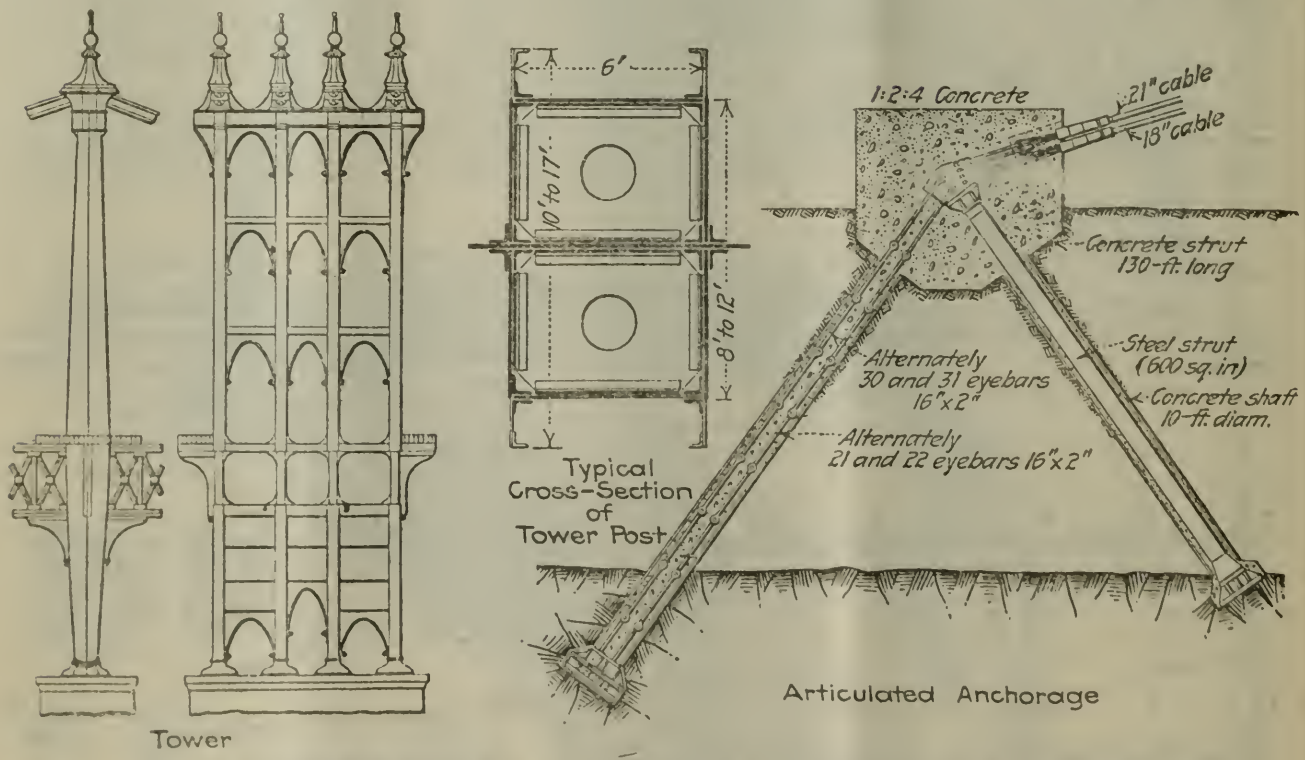

FIG. 3—PORTAL-BRACED TOWER AND STRUT-AND-TIE ANCHORAGE DETROIT BRIDGE

and then run closely parallel to them along the backstay length to separate anchor chains. Anchorages, tower piers and towers are built of full capacity in the beginning, on account of the difficulty or impracticability of two-stage construction. Two special elements of the structure are sketched in Fig. 3 showing one of the towers and one of the anchorages. The four posts of each tower are portal braced instead of being connected by full diagonal bracing. Below roadway level they are braced by transverse diaphragms. While these towers seem to be built of alloy steel, the working stresses in compression will not exceed 15,000 lb. per sq. in. under combined loading. The maximum compression in an inner tower post is 10,000,000 lb. for working live load conditions with extreme temperature and wind action. The towers are hinged at the base to allow for movement of the saddles due to temperature change of the cables. Their weight is about 20,000,000 lb., while towers

ing the four strut frames. This is attained by providing an inclined strut from rock up to the anchorage saddle, from which saddle (taking the pull of one upper and one lower cable) two eyebar chains pass backward and downward into a pit in the rock containing anchorage girders. Both strut and anchor chains are incased in shafts of concrete as protection from corrosion and indirectly a reinforcement of the anchorage.—Engineering News-Record.

Since publication of the above article much progress has been made toward construction of this bridge. Plans have been drawn and Charles Evan Fowler, chief engineer and chairman of the board of consulting engineers under whose direction the plans were drawn, has been given authority to clear up final details of the plans, straighten out legal questions and buy right of way. Construction work is to begin in the spring and within four years, it is believed, the upper deck will be ready for service.

Company; Allan A. Templeton, Detroit Seamless Tube Company; A. E. Healy, Windsor, president Mutual Finance Company; Charles B. Van Dusen of the Kresge Company; James O. Murphin, Detroit attorney, and Dr. J. O. Reame of Windsor, former minister of public works of Ontario.

The board of directors has closed a contract for the sale of securities with R. T. Scott & Company, stock brokers of Toronto. This company has 22 offices in Ontario now and will open about 10 offices in the United States to handle the stock sales.

The Board of consulting engineers has been chosen from the best engineering talent of the two countries. Charles Evan Fowler of Seattle, whose fame as the spanner of streams and the constructor of great structures, is world-wide, is chief engineer and chairman of the board. Then there is George H. Pegram chief engineer of the Interborough Rapid Transit Company of New York, one of the greatest pieces of engineering work in

the world. Prof. William H. Burr, of New York City, authority on such work as the building of this bridge is to be, is the third member of the board. Col. C. M. Monsarrat, of Montreal is the fourth member; Prof. C. R. Young, of the University of Toronto is the fifth, and Prof. H. E. Riggs, of the University of Michigan is special consulting engineer.

Considering what has been the effect when such great enterprises have been developed elsewhere, not only the cities of Detroit and Windsor are to be vastly benefitted, but the state and province which are to be joined by the structure, as well as the respective nations. The movement of freight in great and increasing quantities, now a matter of days will be reduced to a question of hours. Universal experience has shown that when transportation between any two sections is made cheap, fast and easy, trade between them grows at a stupendous rate.

Vallejo Builders Hold Annual Goose Stew

(By Joe Odgers)

The Builders' Exchange of Vallejo, held its second annual banquet under the title of a "Goose Stew," in the Banquet Hall of the Eagle Restaurant, Vallejo. About 150 attended the affair. Representatives of the building fraternity from every section of Northern California attended.

W. H. George of the Henry Cowell Lime and Cement Company, started the evening with a toast—then came the "stew" and plenty of it—with an extra amount of trimmings.

Chas. Gompertz, President of the San Francisco Builders' Exchange, gave an interesting talk and advised the Vallejo members of the success of the American Plan. Mr. George also gave a very enlightening talk on the topic and read a letter from the Sonoma County Builders' Exchange, which declared it had adopted the American Plan.

D. B. Farquharson, general contractor of San Francisco, talked on the "Boy of Today." He advised that the younger generation be given a better opportunity to learn a trade. Good mechanics are sorely needed in the building trades at the present time, he declared.

Edward C. Graff and W. E. Whalen of the Oakland Builders' Exchange, enlightened the Vallejo members of the building situation in that city. The number of building permits issued in Oakland during the past few months indicate the success of the "open shop" in that city.

Wm. Cobbledick, glass manufacturer of San Francisco told the members of his success of installing store fronts in Vallejo with open shop mechanics.

W. O. Crosby, one of the prime movers of the Vallejo Exchange, motored from his mines in Calaveras County to attend the banquet. Crosby gave a lengthy talk on the "American Plan," and requested each and every member of the Exchange to back it up.

Carson Estees was toastmaster for the evening.

Much credit is due S. H. Averill, president of the Vallejo Builders' Exchange, also to Ed. Pierce and Ed. Watkins, who served on the banquet committee and to Geo. Barenchi, D. Pagannini and Ed. Johnson, who killed the geese that made the "stew."

Following the banquet a meeting of the Exchange was held and the American Plan adopted. Men reporting for work January 12th will work under the American Plan.

War Department to Use A. E. S. C. Standards

The Secretary of War has directed that:

"The Supply Branches of the Army utilize in connection with their specifications the standards that have been or may be adopted by the American Engineering Standards Committee."

This is part of a general policy of the War Department to co-ordinate its whole supply system with the best commercial practice, and to support a national program of engineering and industrial standardization, said Colonel George S. Gibbs, of the General Staff, in a recent address before the American Mining Congress on "Standardization and National Defense," given by special authorization of the Secretary of War.

"The essential needs of defense are men and supplies, or personnel and material," said Colonel Gibbs. "The men must be trained and have the will to win. The supplies must be suitable for their uses and adequate in quantity. That is where **standardization** comes in. It represents the difference on the one hand, between being able to get the needed quantities of uniform articles of tested usability, and on the other hand, of being restricted and harrassed by a hodge-podge of varieties, the usable quantities of which are always insufficient."

"The importance of standardization of war supplies cannot be exaggerated. In these days war involves the united effort of an entire nation and the combined employment of all of its principal industries. How is it possible to harmonize the use of thousands of articles to a common end except by the adoption of a far-reaching and effective program of Standardization?

"Colonel Wainwright, Assistant Secretary of War, is an enthusiastic supporter of such a program of standardization," said Colonel Gibbs.

Congress recently provided that he "shall be charged with the supervision of the procurement of all military supplies and other business of the War Department pertaining thereto."

"Thus the business [illegible] military supply are grouped under a [illegible] supervising head.

"The military features are worked out by the General Staff. They include what articles are needed, the quantities required, when they are needed, and where the articles are to be delivered.

"It requires no imagination to see how tremendously both the business and military interests of the War Department can be assisted by standardization.

"All the agencies described are keenly alive to it, and it may be safely predicted that business firms [illegible] the War Department will find a steady and gratifying improvement in the clearness and simplicity of its requirements. The principle of standardization is likewise being extended to its business methods—particularly to forms of contracts."

There are seven Supply Branches of the Army, the Quartermaster Corps, which purchases all general supplies of a commercial character, Ordnance Department, Medical Department, Corps of Engineers, Signal Corps, Chemical Warfare Service, and Air Service. As outlined by Colonel Gibbs, the arrangement for determining types of supplies and specifications for them is as follows:

"First:—the users, the troops themselves as represented by the Chiefs of the several arms, make known what they want. Conflicting views are coordinated by the General Staff.

"Second:—the Chief of the supply branch responsible for procuring that class of articles has the research and engineering work done and samples prepared. The type receives final approval by the Secretary of War and the article is prescribed in equipment tables."

"Each such branch has a technical committee charged with preparing and carrying out a definite program of preparing specifications of all articles procured by that branch. This is a task that will take years to complete."

LOS ANGELES BUILDING BOOM CONTINUES—NINE MILLION TOTAL FOR DECEMBER

Building operations in the city of Los Angeles for December, 1921, totaled $9,168,851. A total of 3364 permits were issued.

The Southwest Builder and Contractor, an authority on construction news in the southern section of the state, sums up the 1921 building program as follows:

"Los Angeles building record for 1921 falls only about six millions short of the combined totals for 1919 and 1920. The total number of permits issued during 1921 was 37,206 and the estimated valuation $82,761,386, both new high records. About eighteen and a half millions of the gain of $22,737,786 for 1921 as compared with 1920, was in frame construction, 1-story and 2-story buildings, representing chiefly housing operations. Class A reinforced concrete construction for 1921 was approximately equal to that for 1920. Permits were issued for three Class A steel frame buildings valued at $4,170,000 in 1920, but none were issued for this type of construction in 1921. This was partly offset, however, by a gain of a little more than two millions in Class C construction. There was also a gain of more than three millions in Class D brick buildings.

Housing operations for 1921 were represented by 15,556 permits for dwellings, flats and apartments with an estimated valuation of $47,475,977. These provided accommodations for 19,572 families, or approximately 90,000 persons, based on the census estimate of a ratio of 4½ persons per family. Housing operations represented approximately 41.8 per cent of the total number of building permits and 57.3 per cent of the total valuation for the year. In 1920, permits were issued for 9,605 dwellings, flats and apartments, with an estimated valuation of $22,436,931."

STANDARDIZATION OF WOOD TESTING METHODS

The American Society for Testing Materials and the U. S. Forest Service have been designated by the American Engineering Standards Committee as joint sponsors for the development of uniform standard methods of testing wood. This action was taken as a result of a canvass made of the principal national bodies concerned with the proposed project, from which it was apparent that there is a real demand for the work and that the necessary support here indicated would be forthcoming to the industry.

The Observer

Practically all the lumber mills and logging camps in the Pacific Northwest have resumed operations, according to word from Seattle. The majority of the camps have shut down for a month and some mills have been running at only 50 per cent of capacity. Active demand from both Japan and the Atlantic Coast continues and it is expected mills will be running full capacity February 1st.

Announcement of plans for the immediate opening in Fresno of an industry to build electric and gasoline street and railroad cars, automobile bodies and special tops for pleasure cars, is made by H. E. Myers, vice-president of the A. Meister Sons Company of Sacramento. The new plant will represent an outlay of $150,000 and will employ between 50 and 75 men the year round.

A competition for a design for the new reinforced concrete bridge over the Santa Ana river in West Riverside is proposed by the Riverside county supervisors. County Surveyor A. C. Fulmor has been instructed to prepare a program for the competition. Cash prizes will probably be offered. The structure will cost about $100,000.

How's business? E. H. Peterson, of Malott & Peterson, contractors: "We are pleased to say that the future prospects in our business are very good. We are basing our opinion on the numerous requests for bids on work and also on the number of jobs on boards in the various architects' offices."

J. B. Warrack of the Warrack Construction Co., elected president of the Seattle Master Builders' Association with headquarters in Rainier Block, Seattle. Other officers: Arthur Gerbel, Great Northern Construction Compan, vice-president; John Shoemaker, secretary; M. Arveson of Arveson & Lidral, treasurer.

Los Angeles Chapter, American Association of Engineers, has elected the following officers to serve for the year 1922: H. Z. Osborne, Jr., president; H. C. Ferry, first vice-president; W. W. Patch, second vice-president. Directors: W. D. Armstrong, C. W. Koiner, C. T. Leeds and J. B. Lippincott.

At the annual election of officers, Harley W. Brundige was re-elected president of the State Railroad Commission. Brundige has been President of the Commission since May 9, 1921, when Frank H. Devlin, then head of the body, resigned. Colonel H. G. Mathewson was re-elected secretary.

Vallejo is in line for a steel plant. A. C. P. Zeuner, vice-president of the Realty Development Corporation of Detroit, Mich. has been looking over prospective sites and while he did not declare the outcome of his visit it is thought he was favorably impressed with the many locations he inspected.

J. E. Lyon of Pleasant Valley, El Dorado County, has sold to the Pleasant Valley Lumber Co., his entire interest in several hundred acres of timber and ranch lands and a sawmill located at Pleasant Valley. After installing some new equipment the new owners will begin operations.

A bond election to finance the improvement of roads and the construction of permanent highways in Colusa County is proposed by the Colusa county unit of the farm federation. A meeting will be called when the supervisors and other county organizations will discuss the proposal.

Reports from all sections of the San Joaquin Valley, with regards to building, are encouraging. Building activities for the past year have doubled, tripled, and in many cases quadrupled. Home building leads all other classes of building with school following a close second.

Figures compiled by the Lumber World Review, indicate that for the first ten months of 1921, more money was put into building generally than in 1920—$1,395,761,581 against $1,315,567,951. The average cost per building decreased 18%. $3070 against $3639.

The Pacific Meter Works, a branch of the American Meter Company, New York, has leased a two-story building at 1123 Harrison street, and will manufacture meters for the Pacific Coast and export trade. E. W. Hammond is manager of the branch.

The Sonoma County Building Trades Council has issued no statement as to their rejection or acceptance of the Builders' Exchange "American Plan" proposition. Indications are that a "working under protest" decision has been reached.

Rumors are current in Reno, Nevada, of a general movement among the building interests to inaugurate the American plan or "open shop." Journeymen plumbers and the Master Plumbers' Association are at "outs," according to newspaper reports.

The Alameda City Planning Commission has called a meeting to inaugurate plans for a movement to stimulate industrial progress. The commission seeks more factories for Alameda during the year 1922.

The Grass Valley Chamber of Commerce has passed resolutions calling upon the city trustees to inaugurate a program of street paving. Need of permanent improvements is declared to be urgent.

San Francisco Board of Park Commissioners is considering the construction of an athletic stadium in Golden Gate Park in addition to improving all playgrounds and district parks.

Auburn Chamber of Commerce appoints committee to perfect the organization of a building and loan association with a view to stimulating building activities in that section.

City Trustees of Tracy, propose to call an election in April to decide the question of issuing bonds to finance the establishment of a municipal gas plant.

The Reno, Nevada, city council proposes to pave 759,488 square feet of streets this year. The improvements will cost about $197,056.

ALONG THE LINE

F. E. Locke, formerly an engineer with the Goodyear Tire and Rubber Co., has become associated with B. E. Tiltz and they will engage in practice as consulting engineers under the name of the Tiltz Engineering and Equipment Company. Offices will be maintained at 512 Wright and Callender Bldg., Los Angeles.

Austin B. Fletcher, California State Highway Engineer, has been appointed a member of the committee on Standard Tests of Non-Bituminous materils, one of the committees of the American Society for Municipal Improvements. This society is a national organization of engineers interested in municipal improvements.

Approximately 36 miles of concrete highway was completed in Tulare county during 1921, according to County Surveyor, L. O. Moye. A total of 16½ miles of highway is now under construction and with these completed, the county will have 240 miles of concrete roads and 63 miles of state highway system.

Michael Angelo Clarke, pioneer engineer and contractor, who constructed many of San Francisco's first buildings died January 7th. Clark was principally noted as the builder of the Folsom state prison, and built the first brick building in San Francisco.

P. T. Robinson has been appointed division engineer of the Southern Pacific Company's east bay electric division. Robinson, who was formerly assastant division engineer of the Western division, was succeeded by J. P. Edwards of Ogden.

C. C. Carleton, attorney for the State Highway Commission has been appointed temporary secretary of the Commission. John F. Galvin recently resigned as secretary to become a member of the State Civil Service Commission.

City Engineer C. L. Hill, Glendale, Calif., reports a busy season for contractors bidding on work in this city. About fifty street improvements are planned and several of them are good sized jobs.

J. M. Burke, civil engineer and secretary of the Stockton Architects' Association has been commissioned by the Stockton City Council to edit the proposed building laws of that city.

Sacramento Chamber of Commerce, Good Roads Committee, urges bond election to finance improving the present and constructing new county highways.

Pacific Gas and Electric Co., plans improvements totaling $110,000 in the vicinity of Turlock.

Building News Section

APARTMENT HOUSES

Contract Awarded.
APARTMENT Cost, $48,000
OAKLAND. E Jackson 92 S 15th.
Three-story frame apartment house (58 rooms).
Owner—Geo. M. Magruder, 771 Lakeshore Ave., Oakland.
Architect—Chester H. Miller, 414 13th St., Oakland.
Contractors—Krause & Williams, 414 13th St., Oakland.

Plans Being Prepared—Figures To Be Taken In Two Weeks.
ADDITION Cost, $18,000
SAN RAFAEL, Marin Co., Cal. 4th and B Sts.
One-story frame addition to one-story store bldg. for apartments (5, 3-room apts, plaster exterior).
Owner—J. Albert.
Architect—S. Helman, 57 Post St., S. F.

Contract Awarded.
APARTMENTS Cost, $10,697.50
SAN JOSE, Santa Clara Co., Cal. Lot 2 of McCoy Addition to Naglee Park.
Two-story frame apartment building.
Owner—Helen R. McCoy, San Jose.
Architects—Binder & Curtis, 255½ S. First St., San Jose.
Contractor—Frank T. Edmans, 143 N. 8th St., San Jose.

Contract Awarded.
APARTMENTS Cost, $25,000
RICHMOND, Contra Costa Co., Cal. Brooks Avenue.
Two-story frame and plaster apartment house (8 3-room apts.)
Owner—Mrs. Louis M. Scott, Saratoga, Calif.
Architect—Not Given.
Contractor—K. J. Henning, 546 43rd St., Richmond.

Contract Awarded.
APARTMENTS Cost, $15,000
SAN FRANCISCO. SE 5th Ave. and Lake.
Three-story and basement frame (9) apartments.
Owner—J. J. Lieberman, 107 6th Ave., San Francisco.
Architect and Contractor — Chas. Schwarz, 1440-A Hyde St., S. F.

Owner Taking Sub-Figures—To Be Done By Day's Work.
APARTMENTS Cost, $12,000
SAN FRANCISCO. E Dolores 26 N Hidalgo Terrace.
Three-story and basement frame (6) apartments.
Owner—Sarah H. Barnum, 155 Dolores St., San Francisco.
Architect—E. E. Young, 251 Kearny St., San Francisco.

To Be Done By Day's Work.
APARTMENTS Cost, $20,000
SAN FRANCISCO. N Sutter 137-6 E Larkin.
Four-story and basement reinforced concrete (15) apartments.
Owner—E. V. Lacey and Luis Blum, 180 Jessie St., San Francisco.
Architect—Not given.

Bids Opened and under Advisement.
APARTMENTS Cost, $50,000
SAN FRANCISCO. N Bush St. near Taylor St.
Five-story class 'C' reinforced concrete apartment house (20, 2 and 3-room apartments).
Owner—Mrs. Bertha Basye.
Architect—B. G. McDougall, 381 Bush St., San Francisco.
Chas Hock, 180 Jessie St.....$57,500
Barrett & Hilp 57,745
Lawton & Vezey 58,380
Chas. Stockholm & Son..... 59,158
Sampson & Co. 63,500
Mathies & Gale 64.153
E. T. Leiter & Son..... 67,783

Plans Being Prepared.
APARTMENTS Cost, $35,000
SAN FRANCISCO. S California E Octavia.
Three-story frame and plaster apartment house (6, 5-room apartments)
Owner—Frank Brodie.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

Segregated Figures Being Taken.
APARTMENTS Cost, $12,000
OAKLAND, Alameda Co., Cal. Lakeshore Avenue.
Two-story frame and plaster apartments (4 apts.)
Owner—Joseph Sinai.
Architect —Jas. T. Narbett, Syndicate Bldg., Oakland.

Completing Plans— To be Done by Day's work and Sub-Contracts.
APARTMENTS Cost, $---
SAN FRANCISCO. SE Bush and Taylor Streets.
Six-story Class A reinforced concrete apartments (about 50, 2, 3 and 4-room apts. and 4 stores).
Owner—A. Penziner.
Architect—E. H. Denke, 1317 Hyde St., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $75,000
SAN FRANCISCO. S Pine bet. Powell and Mason Streets.
Four-story and basement brick apartments (16. 4-room apts.)
Owner—Withheld.
Architect—E. H. Denke, 1317 Hyde St., San Francisco.

Plans Being Figured.
APARTMENTS Cost, $50,000
SAN FRANCISCO. S Clay 130 E Presidio Avenue.
Three-story and basement frame (12) apartments.
Owner—R. F. O'Brien, Room. 912, 110 Sutter St., San Francisco.
Architects — O'Brien Bros., 240 Montgomery St., San Francisco.

BANKS

DINUBA, Tulare Co., Cal.—At the annual meeting of the Stockholders of the First National Bank of Dinuba and the Dinuba Savings Bank it was voted to erect a modern four or five-story fireproof bank and office building on the site of the present structure or on another location. Estimated cost. $150,000.

BONDS

COLUSA, Colusa Co., Cal.—A bond election to finance improvement of present and the construction of a new and permanent road is proposed by Farm Federation which plans to meet with supervisors regarding the proposal.

CHICO, Butte Co., Cal.—City Attorney J. O. Goldstein instructed to prepare proceedings for a $475,000 bond election for municipal water system. the election to be held July 15. Of the total amount, $300,000 will be used to purchase Chico Water Supply Company's plant; $40,000 for purchase of Chico Vecino Water Co., and $20,000 for the C. W. White system in Chapmantown. The balance, $100,000 will finance improvements F. S. Robinson, city engineer.

LODI, San Joaquin Co., Cal.—An election will be held on February 15th, to decide question of issuing bonds for new grammar school and for additions to Lodi Union High School.

TRACY, San Joaquin Co., Cal.—City Trustees will call election in April to decide the question of issuing bonds to establish municipal gas plant.

STOCKTON, San Joaquin Co., Cal.—Until Feb. 6, bids will be received by the Supervisors for the purchase of $185,000 bond issue of Manteca Union High School District; proceeds of sale to finance construction of a new high school, plans for which are being completed by Architects Davis-Heller-Pearce Co., Delta Bldg., Stockton.

KLAMATH FALLS, Ore.—Petitions are being circulated seeking a special election to vote bonds of $800,000 for county highways.

SAN ANSELMO, Marin Co., Cal.—Bonds of $200,000 voted in Marin County Sanitary District No. 1 to finance construction of main trunk line and outfall sewer system, approximately 7½ miles in length. Bids will be asked in about 4 months. C. C. Kennedy, 58 Sutter St., engineer for district.

TURLOCK, Stanislaus Co., Cal.—Modesto and Turlock Irrigation Districts, acting jointly, sell $181,600 worth of (Modessto District) Don Pedro power house bonds. A premium of $12,295 was paid for the issue. The $1,028,000 power house and electric distribution bonds (Turlock District) were sold for a premium of $71,459.

CONCORD, Contra Costa Co., Cal.—Mt. Diablo Union High School District set January 24th as date to vote bonds of $120,000 for repairs and improvements to high school.

CHURCHES

Plans Being Prepared
CHAPEL Cost, $---
OAKLAND, Alameda Co., Cal. Head of Lake Merritt.
Chapel building (1st unit of group)
Owner — Roman Catholic Archbishop Our Lady of Lourdes Parish, L. J. McCarthur, Pastor.
Architect—J. J. Donovan, Perry Bldg. Bldg., Oakland.

Plans Being Figured.
CHURCH Cost, $12,000
HOLLISTER, San Benito Co., Cal.
One-story frame church
Owner—First M. E. Church.
Architect—W. J. Wythe, Central Bank Bldg., Oakland.

FACTORIES & WAREHOUSES

Plans Being Figured.
PATTERY STATION Cost, $10,000
SAN FRANCISCO. SE Seventh Ave. and Geary St
One-story frame battery station.
Owner—Exide Battery Co.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Figures are being taken for a general contract.

Plans Complete.
CANNERY BUILDING Cost, $100,000
OAKLAND. E 11th and 29th Ave.
Reinforced concrete cannery building.
Owner—H. G. Prince Co., premises.
Architect—M. I. Diggs, Easton Bldg., Oakland.

Plans Being Prepared.
WAREHOUSE Cost, $30,000
SAN FRANCISCO. W Capp St. E 17th.
Two-story brick warehouse (100x105).
Owner—Lachman Bros.
Architect—S. Heiman, 57 Post St.

Plans Being Figured.
FILM LABORATORY Cost, $30,000
SAN FRANCISCO. N Turk W Leavenworth.
Two-story reinforced concrete film laboratory building.
Owner—Fox Film Corporation.
Architect — Jos. L. Stewart, Claus Spreckels Bldg., San Francisco.
Figures are bein gtaken for a general contract.

Preliminary Plans Being Prepared.
CLASS B BLDG. Cost, $——
SAN FRANCISCO. S Mission W Beale.
Five-story Class B building, adjoining present structure.
Owner—W. P. Fuller & Co., SW Beale and Mission Sts., San Francisco.
Architect—G. A. Applegarth, Claus Spreckels Bldg., San Francisco.

REDDING, Shasta Co., Cal.—Shell Oil Company of California, will spend $50,000 on a supply depot in this city, according to A. C. Tremoureux, representing the company. Plant will be located in north end of city.

VALLEJO, Solano Co., Cal.—A. C. P. Zeuner, vice president of the Realty Development Corporation of Detroit, Mich., has been looking over prospective sites for a steel plant.

NAPA, Napa Co., Cal.—Henry Wheatley, Napa representative of California Prune and Apricot Growers' Association, announces the association will erect a $100,000 prune packing plant in this city. The new plant will allow the handling of about 700,000 tons, which is approximately 100 packed carloads.

RICHMOND, Contra Costa Co., Cal.—The following bids were received on January 9th by A. C. Faris, City Clerk of Richmond, for the sheet metal work and skylights for Wharfshed adjacent to Municipal Wharf No. 1, City of Richmond:
Forderer Cornice Works, San Francisco (a) $3036, (b) $3364.
Foley Sheet Metal Works, San Francisco (a) $3100, (b) $——
Sperlesch Bros., Richmond (a) $3149, (b) $3149.
H. W. Clear (a) $3181.60, (b) $3525.
American Sheet Metal Works (a) (b) $3260, (b) $——
W. Hebel Cornice Works, S. F. (a) $3218, (b) $——
Curran & Arnason, Oakland (a) $3277, (b) $——
Guilfey Cornice Works, S. F. (a) $3290 (b) $——.

SACRAMENTO, Cal.—The following bids were received on January 9th by the California Highway Commission, for the construction of a testing laboratory building in Sacramento:
Wm. Murcell, Ochsner Bldg., Sacramento $25,344
Robt. Trost, San Francisco..... 25,783
M. E. Hopper & Sons Oakland.. 25,899
Betz & Mabrey, Sacramento.... 27,308
Herndon & Finnigan, Sacramento 33,133
Engineer's estimate 22,440

TACOMA, Wash.—The Tacoma Ice and Refrigerating Co., will erect this year, a $250,000 cold storage and ice-making plant. Refrigeration plant will require 200,000 lin. ft., nearly 40 miles of 1¼-in. piping.

FLATS

To be Done by Day's Work.
FLATS Cost, $12,000 and $7,000 respectively.
SAN FRANCISCO. NE Sixth Avenue and Cabrillo Street and E Sixth Avenue 25 N Cabrillo Street.
Two two-story and basement frame flat buildings; corner building 4 flats and other 2 flats.
Owner—Victor Bjors, 2668 Bryant St., San Francisco.
Architect—Owner.

Contract Awarded.
FLATS Cost, $10,000
SAN FRANCISCO. S Seventeenth St W Guerrero Street.
Two-story and basement frame (2) flats.
Owner—J. J. Caplis.
Architect—W. D. Shea, Chronicle Bldg., San Francisco.
Contractor—John J. Leonard, 180 Jessie St., San Francisco.

Contract Awarded.
FRAME FLATS Cost, $14,670
SACRAMENTO, Cal. No 1522 Thirtieth Street.
One-story frame (4) flats.
Owner—Mr. and Mrs. T. K. Dixon, 1530 30th St., Sacramento.
Architect—None.
Contractor—A. W. Norris, Peoples Bank Bldg., Sacramento.

Plans Being Figured.
FLATS Cost, $18,000
SAN FRANCISCO. Fourteenth Avenue bet. Anza and Balboa Streets.
Two-story and basement frame and plaster flats (2, 7-room flats and garages in basement).
Owner—Mrs. Statler.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.
Figures are being taken for a general contract, except plumbing and electrical work for which separate figures are being taken.

GOVERNMENT WORK AND SUPPLIES

SAN FRANCISCO—Until Jan. 17, 10 A. M., under Circular No. 22-39, bids will be received by Quartermaster Supply Officer, for furnishing and delivering linseed oil; turpentine; shaft hangers, belt pulleys; globe valves; 400 rolls prepared, 2-ply, 36-in. wye roofing; 3 dozen striping brushes and 18 No. 26 wire gage twist drills.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at the end of each paragraph:

Schedule 9290, for Mare Island, 30,300 ft. air hose; Jan. 31.

Schedule 9293, for Puget Sound, Wash., 12 telephone testing sets; Jan. 31.

Schedule 9294, for Puget Sound, Wash., 150 pounds pressed plate mica; Jan. 31.

WASHINGTON, D. C.—Following bids received by Bureau of Yards and Docks, Navy Department, under Spec. 4526, for street lighting system at San Diego Naval Base:

H. H. Walker, 1800 W. 12th St., Los Angeles, Calif., $6,375, 90 days; Southern Electric Co., 866 3rd St., San Diego, Cal., $8,443, 90 days; G. E. Engr. Co., 449 W. Forty-second St., New York City, $5,750, 90 days; Globe Electric Works, 1959 Mission St., San Francisco, Calif., $6,280, 90 days; Severin Electric Co., 185 Stevenson St., San Francisco, Calif., $7,200, 90 days; Newberry Electric Co., 724 Olive St., Los Angeles, Calif., $6,898, 90 days.

WASHINGTON, D. C.—Until Jan. 19, 10.30 A. M., bids will be received by Panama Canal Commission for furnishing and delivering f. o. b. Balboa, Pacific Port, under Circular No. 2282: insulators, galvanized hooks and tongues, and knife switches. Further information may be had from Assistant Purchasing Agent, Fort Mason, San Francisco.

SAN DIEGO, Cal.—G. E. Engineering Co., Inc., 449 42nd St., New York City, awarded contract at $52,400 for constructing water, gas, sewer and underground electric systems at naval hospital, San Diego. Specification 4559.

HALLS AND SOCIETY BUILDINGS

Contract Awarded.
UNDERTAKING PARLORS.
Cost, $19,000.
SAN FRANCISCO. Valencia Street nr. Sixteenth Street.
Two-story frame and plaster undertaking parlors.
Owner—J. C. O'Connor & Co., 532 Valencia St., San Francisco.
Architect—Alfred I. Coffey, Humboldt Bank Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Sub-figures will be taken shortly.

Figures to be Taken Shortly.
ALTERATIONS Cost, $3000
FAIRFIELD, Solano Co., Cal. County Hospital.
Alter frame dormitory into ward (to be known as the "Henry J. Widenmann Memorial Child Welfare Centre.)
Owner—Solano County.
Architect—Chas. E. Perry Jr., 514 Main St., Vallejo.
Work is to be done by local contractors.

Completing Plans—Figures to be Taken Next Week.
PAVILION Cost, $20,000
SAN FRANCISCO. Sloat Boulevard.
Two-story frame cafe and dancing pavilion.
Owner—Prince Imperial Inn.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

CALIFORNIA — The Knights of Pythias of seven Western States have notified the Grand Lodge of California that they favor this state for the big home to be erected by the order. A definite decision will not be made until the annual convention of the order at Chico in May of this year.

HOSPITALS

Grading Bids Being Taken.
HOSPITAL Cost, $——
SAN FRANCISCO. Trenton Street near Jackson Street.
Four-story and basement Class C reinforced concrete hospital.
Owner—Chinese Six Company.
Architects — O'Brien Bros., 240 Montgomery St., San Francisco.
Figures for the balance of the work will be taken immediately after Chinese New Year.

Sketches Approved—Working Drawings Ordered Prepared.
HOSPITAL Cost, $100,000
YREKA, Siskiyou Co., Cal.
One-story reinforced concrete county hospital.
Owner—Siskiyou County.
Architect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.

HANFORD, Kings Co., Cal.—Until Jan. 28, 11 A. M., bids will be received by E. F. Pickerill, county clerk, for constructing Isolation Building at county hospital grounds. Will be one-story, 4-room, of brick or hollow tile construction. Plans may be had from county clerk of County Surveyor, Roy May, on deposit of $5, not returnable. **See call for bids under official proposal column in this issue.**

NAPA, Napa Co., Cal.—Improvements totaling approximately $100,000 will be made at the Napa State Hospital. A portion of the work is given as follows: improving cottage of Medical Superintendent, $1,700; alterations for manor-house, $6,100; patients' building, $85,000. A steel oil storage tank with 2500 barrel capacity is also provided.

OAKLAND, Alameda Co., Cal.—Bids were received as follows on January 9th by Geo. E. Gross, Clerk of Alameda County for the purchase of Linoleum for use at the Alameda County Hospital, near San Leandro:
D. N. & E. Walter Co., S. F....$2,136.16
Jackson Furniture Co, Oakland 2,496.76
Anderson's Carpet House..... 2,608.46

EUREKA, Humboldt Co., Cal.—No bids received by the Supervisors Jan. 10 for heating and laundry plant addition to the Tubercular Hospital. Bids will be re-advertised. Plans by Newton Ackerman, Architect, Eureka.

HOTELS

Plans Being Prepared.
ALTERATIONS Cost, $10,000
SAUSALITO, Marin Co., Cal. Water Street.
Alter two-story hotel and store (new steam heating system, interior refinishing, etc.)
Owner—Sausalito Hotel.
Architects — O'Brien Bros., 240 Montgomery St., San Francisco.
Plans will be ready for figures next week.

POWER PLANTS

TURLOCK, Stanislaus Co., Cal.—Chas. S. Northcutt, division manager of Pacific Gas and Electric Co. advises Chamber of Commerce his company has appropriated $110,000 for an extensive reconstruction of the electric service to Turlock. Will include 60,000-volt transmission line from Modesto to Hughson, $40,000, and a sub-station at Hughson, $30,000; rebuilding of Turlock station, $15,000.

RED BLUFF, Tehama Co., Cal.—Pacific Gas & Electric Co. will build a two mile power line along the state highway north of El Camino to Gerber. Estimated cost, $62,260.

MARTINEZ, Contra Costa Co., Cal.—Reports are current here that the Pacific Gas and Electric Co., has appropriated $200,000 for a new substation at Martinez.

PUBLIC BUILDINGS

Plans Being Prepared.
HALL, ETC. Cost, $100,000
ELDRIDGE, Sonoma Co., Cal. Sonoma State Home.
Assembly hall and school.
Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Forum Bldg., Sacramento.

SACRAMENTO, Cal.—The State Department of Public Works of California, is advertising for bids on the following branches of work for the Sacramento State Buildings: Excavation Work; Concrete Work and Piling; Structural Steel and Iron Work; Brick Work; Granite; Architectural Terra Cotta; Cut Cast Granite. Copy of notice to contractors, proposal forms, plans and specifications may be had by sending a deposit of $25 for each set of plans and specifications requested, to Geo. B. McDougall, State Architect, Chief, Division of Architecture, Forum Building, Sacramento, California. All said branches of work are to be let separate and the name or names of branches of work for which plans and specifications are requested, must be mentioned when sending in deposit. Bids will be opened February 14, 1922 at 12 o'clock M., in the office of the State Architect. Plans were prepared by Architects Weeks and Day, Phelan Bldg., San Francisco. **See call for bids under official proposal column.**

BAKERSFIELD, Kern Co., Cal.—Until Jan. 30, 10.30 A. M., bids will be received by F. E. Smith, county clerk, for constructing one-story frame addition to dentention home. Chas. Biggar, First National Bank Bldg., architect. **See call for bids under official proposal column in this issue.**

PALO ALTO, Santa Clara Co., Cal.—City Council proposes to call election to bond for second story addition to city hall. Estimated cost, $20,000.

HANFORD, Kings Co., Cal.—County Supervisors apropriate $15,000 and bids will be asked shortly for a one-story addition to the county jail. Building will contain six cells, padded rooms, detention wards, and will have granite exterior. Roy May, County Surveyor.

RESIDENCES

Plans Being Prepared.
RESIDENCE Cost, $18,000
SAN MATEO, San Mateo Co., Cal.
Two-story and basement frame and plaster residence (10 rooms and 3 bathrooms.
Owner—P. L. Bush.
Architect—S. Heiman, 57 Post St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $12,000
BURLINGAME, San Mateo Co., Cal.
Two-story frame and plaster double residence (6 rooms each), roof, tile and tar and gravel.
Owner—Al. Debonnet.
Architect—Ernest L. Norberg, 604 Balboa Bldg., San Francisco.
Figures are being taken for a general contract, except plumbing.

Contract Awarded.
RESIDENCE Cost, $34,667
PIEDMONT, Alameda Co., Cal.
Two-story and basement frame residence and garage.
Owner—Annie Moller.
Architect—Albert Farr, 68 Post St., San Francisco.
Contractor—Alfred Peterson, 3918 Linwood Ave., Oakland.

Plans Being Prepared
RESIDENCE Cost, $15,[illegible]
BERKELEY, Alameda Co., Cal. Claremont District.
Two-story frame and plaster residence (8 rooms)
Owner—Mr. Peake.
Architect—W. H. Ratcliff Jr 1st Nat'l. Bank Bldg., Berkeley.

Contractor To Take Sub-Figures Shortly.
RESIDENCE Cost, $50,000
SAN FRANCISCO. NE Jackson and Pierce St.
Three-story and basement frame residence.
Owner—Samuel Pauson, NE Kearny and Sutter Sts., San Francisco.
Architect—Samuel Lightner Hyman, 68 Post St., San Francisco.
Contractor—Chas. Heyer, Jr., Mills Bldg., San Francisco.

Plans Ready For Figures.
RESIDENCE Cost, $15,000
SAN FRANCISCO. St. Francis Wood.
One-story hollow tile residence and garage with tile roof (6 rooms).
Owner—Dr. F. Homer Curtiss.
Architect—H. H. Gutterson, 278 Post St., San Francisco.
Figures will be taken for a general contract.

Working Drawings Being Prepared.
RESIDENCE Cost, $15,000
SAN FRANCISCO. St. Francis Wood.
Two-story frame and plaster (9 rooms and 2 bathrooms) residence and separate garage with servants' quarters.
Owner—Paul K. Judson.
Architect—H. H. Gutterson, 278 Post St., San Francisco.

Low Bidder.
RESIDENCE Cost, $12,915
OAKLAND, Alameda Co., Cal. Ashmount Avenue.
Two-story frame and plaster residence
Owner—Mr. M. Samuels.
Architect — Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—H. P. Nelson, 1947 Blake St., Berkeley.

Plans Being Prepared.
RESIDENCE Cost, $8000
BERKELEY, Alameda Co., Cal. Claremont District.
Twe-story frame and plaster residence (6 rooms).
Owner—Mr. Woll.
Architect—W. H. Ratcliff Jr., 1st Nat'l. Bank Bldg., Berkeley.

AUBURN, Placer Co., Cal.—Chamber of Commerce will organize building and loan association to finance construction of homes. D. M. Ferguson, secretary of Chamber.

SCHOOLS

Commissioned to Prepare Plans.
SCHOOL Cost $[illegible]
LOS GATOS, Santa Clara Co., Cal.
Grammar school, 16 classrooms and an auditorium (type of construction not decided).

Owner—Los Gatos Grammar School District.
Architects—Wyckoff & White, Growers Bank Bldg., San Jose.
A bond election will be held shortly

Working Drawing Being Prepared.
SCHOOL Cost, $100,000
BERKELEY. College Ave. opposite University Infirmary.
Three-story class A school bldg (one-story unit of $1,000,000 school buildings).
Owner—Pacific School of Religion, Wm. F. Bade, Dean, 2223 Atherton St., Berkeley.
Architect—W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley.

Plans Being Figured.
SCHOOL Cost, $270,000
PORTERVILLE, Tulare Co., Cal.
Two-story concrete and brick high school.
Owner—Porterville Union High School District.
Architect — Coates & Traver, 626 Rowell Bldg., Fresno, Cal.
See call for bids under official proposal section in this issue.

Figures to be Called For Shortly.
SCHOOL Cost, $200,000
RICHMOND, Contra Costa Co., Cal. Ninth and Lissell Avenue.
One and three-story reinforced concrete and hollow-tile Junior High School, 216x321 feet.
Owner—City of Richmond School Dist.
Architect—James T. Narbett, 910 MacDonald Ave., Richmond.
Plans will be submitted to the Board on January 16th for final approval.

Contracts Awarded.
GYMNASIUM BLDG. Cost, $——
FOWLER, Fresno Co., Cal.
Gymnasium building.
Owner—Fowler High School District.
Architect—Anton Johnson, Kingsburg.
Composition Roofing to C. E. McMullen of Fresno, $979.
Sheet Metal Work to L. F. Tegleberg of Kingsburg, $1282.
Heating to E. A. Newman Co., 1927 Merced St., Fresno, $1240.
Electrical Wiring to Valley Electrical Supply Co., 1817 Tulare St., Fresno, $1336.
Plumbing to Barrett-Hickey Co., 1135 Broadway, Fresno, $4969.
Millwork to Kingsburg Planing Mill Kingsburg, $4500.
Steel Trusses and Columns to Kyle Co., Call Bldg., San Francisco, $2020.

SAN FRANCISCO—M. B. McGowan, 180 Jessie St., at $25,987, awarded contract by San Francisco Board of Public Works for Brick and Terra Cotta work on Galileo high school. John Reid Jr., city architect.

ELK GROVE, Sacramento Co., Cal.—As previously reported contract for installing light fixtures in Elk Grove High School was awarded to J. C. Hobrecht of Sacramento, at $1,465.15. Other bidders were: Berkeley Electrical Co., Berkeley, $1,629.; Campbell Construction Co., Sacramento, $1,990; Boyd Lighting Fixture Co. San Francisco, $1,7[illegible]2; Roberts Mfg. Co., San Francisco, $1,910; Home Electric Co., Stockton, $2,2[illegible], Thomas Day Co., San Francisco, $1,684. W. H. Weeks, 369 Pine St., San Francisco, architect.

ORANGE, Orange Co., Cal. Daniels & Farris, 316 Berkimer St., Pasadena, were low bidders at $61,989 on concrete, carpenter work contract for the new auditorium building at Orange union high school. The low bidders on other contracts were: H. E. Knerr on masonry at $31,685, Emil Brown on sheet metal work at $790, Warren & Bailey on composition roofing at $1182, C. L. Passmore on tile roofing at $1200, Bert E. Dequine on plastering at $15,470; C. F. Weber & Co.; on blackboards at $877.46; Wormell & Drawbaugh, Pasadena, on painting at $4842; California Hardware Co. on hardware at $2035; Lohmann Bros. on plumbing at $5478; Robertson Electric Co., Santa Ana on electrical work, $3290; and S. Hill & Son, Santa Ana on heating at $11,297. Bids were taken under advisement. Allison & Allison, 1405 Hibernian Bldg., Los Angeles, are the architects. Auditorium to seat 1300; library, study hall, offices, 6 class rooms; brick construction, plaster exterior, cast stone trim, tile and compositing roof, pine trim, maple floors. The bids received were as follows: **Concrete and Carpenter Work**—Daniels & Farris, $61,989; R. G. Whitlock, $64,349; James P. Dawson, $65,230; J. F. Kobler, $70,299; Frank Hudson, $81,847. **Masonry**—H. E. Knerr, $31,-685; R. Reimers, $31,800; J. F. Kobler, $33,269; Daniels & Farris, $33,968; James P. Dawson, $35,625. **Sheet Metal**—Emil Brown, $790; Chas. J. Strangman, $1019; John McFadden, $877; St. Louis Cornice Works, $1022; Munger & Munger, $1192; A. Herman, $1421. **Composition Roofing**—Warren & Bailey, $1182; Atlas Roof Co., $1275 and $1165; Johns-Manville Co., $1360.40; Standard Roof Co., $1565. **Tile Roofing**—C. L. Passmore, $1200; R. G. Blessing, $1350. **Plastering**—Bert E. Dequine, $15,470; Wm. McIntyre, $16,-050; E. V. Fallgren, $16,900; J. P. Walsh, $17,317. **Blackboards**—C. F. Weber & Co., $877.46; Rucker-Fuller Desk Co., $949; T. N. Fierce, $1040. **Painting**—Wormell & Drawbaugh, $4,-842; D. Zelinsky, $4950; Arenz-Warren Co., $5335; Alhambra Wall Paper & Paint Co., $5889; R. Zelinsky, $6266; John McFadden Co., $6814. **Hardware**—California Hardware Co., $2035; Union Hardware & Metal Co., $2055; Bennett-Montgomery Hardware Co., $2075. **Plumbing** — Lohmann Bros., $5478; W. P. McArthur, $5970; John McFadden, $5521; S. Hill & Son, $6043. **Electric Work**—Robertson Electric Co., $3290; H. H. Walker, $3443; Standard Electric Co.; $3449; Prewitt Electric Co., $5935, F. E. Newbery Co., $4578. **Heating**—S. Hill & Son, $11,297; Hoagland-Lakin Co., $11,595; Munger & Munger, $12,372; W. P. McArthur, $12,-890; and Williams Radiator Co., $8740 for gas-steam radiator system.

PORTLAND, Ore.—Architects Sutton & Whitney, Lewis Bldg., preparing plans for 3-story, 60x100, reinforced concrete and brick school to be erected in Main St. between 12th and 13th Sts. Estimated cost, $100,000. Owner, Beth Israel Congregation.

CHICO, Butte Co., Cal.—Until Jan. 24, 5 P. M., bids will be received by Chas. H. Camper, Clerk, Chico High School District. (1) for constructing concrete tennis courts, (2) for paving driveway at high school, (3) for furnishing and installing equipment, not including floor finish, for domestic science department. Plans may be had from Architects Woollett & Lamb, Hagelstein Bldg., Sacramento or from the clerk of the district.

SACRAMENTO, Cal.—Stewart School Supply Co. of Stockton, awarded contract by Board of Education for furnishing and delivering 200 movable school chair desks.

PETALUMA, Sonoma Co., Cal.—The Board of Trustees of the Petaluma High School District received the following bids for the installation of a steam heating system ventilation and fire oil equipment and for the installation of a complete Program Clock and Bell system for the Petaluma Junior High School and Gymnasium buildings according to the plans and specifications prepared by Brainerd Jones, Architect of Petaluma.

The contract for the heating and ventilating system was awarded to Latourrette-Fical Co., 3431 Sacramento Blvd., Sacramento, although type of boiler has not been decided. The clock system bids were taken under advisement.

Heating and Ventilating

(1) Complete plant with cast iron boiler; (2) Pacific firebox boiler; (3) Kewanee Firebox boiler; (4) Oil City Firebox boiler.

Latourrette-Fical Co. (1) $20,700; (2) $21,350; (3) $21,450; (4) $——.
Carl T. Doell, Oakland, (1) $22,346; (2) $22,956; (3) $23,867; (4) $——.
Scott Co., San Francisco, (1) $22,920; (2) $23,850; (3) $23,940; (4) $——.
Bay Engineering Co. (1) $23,015; (2) $23,805; (3) $23,635; (4) $——.
Knittle-Cashel, San Francisco (1) $22,-693; (2) $23,606; (3) $23,393; (4) $——.
W. K. Nottingham (1) $23,777.70; (2) $24,699.90; (3) $24,955.50; (4) $24,-433.20.
Frank Klimm, San Francisco, (1) $22,-388; (2) $23,358; (3) $23,168; (4) $——.
J. E. O'Mara, San Francisco, (1) $23,-600; (2) $24,670; (3) $24,515; (4) $——.
Luppen-Hawley & Thing, Sacramento, (1) $23,777; (2) $23,977; (3) $24,100 (4) $23,700.
J. I. Collins, Richmond (1) $24,612; (2) $25,260; (3) $24,850; (4) $——.
Turner Co., San Francisco (1) $26,480; (2) $27,460; (3) $27,320; (4) $——.
Picard & Edwards, Oakland (1) $25,011; (2) $25,630; (3) $25,371; (4) $——.

Program Clocks

International Time Recording Co., San Francisco $1090
Pacific Electric Co., S. F. 1191
Standard Electric Time Co., S. F. 1450

SEATTLE, Wash.—Jenkins & Kaufman, Hinckley Bldg., Seattle, at $91,-451 awarded contract by the School Board for a one-story, 11 classroom, concrete and wood Columbia school. P. A. Harrington, low bidder, was allowed to withdraw his bid. F. A. Naramore, City School Architect.

BERKELEY, Cal. — The following bids were received on January 11, 1922, by the Comptroller of the University of California for the moving of East Hall on the grounds of the University of California at Berkeley. All bids were taken under advisement:

Pearson & Johnson $10,450
Walter Sewell & Son..... 11,495
D. J. & T. Sullivan, Inc..... 11,862
Herbert L. Hatch 12,260
H. B. Henderson..... 15,000

LOS ANGELES, Cal.—Until 9 A. M., Jan. 25, bids will be received by the Board of Education for erecting new school buildings as follows:

For new school building on Rowan Ave. between Princeton and Occidental Aves. Henry F. Withey architect, two additions, 6 rooms and 4 rooms each, brick construction, plaster exterior, composition roof, pine trim and maple floors.

For new building at California St. School site, between Hill St. and Grand Ave.; C. E. Skilling, architect; 7 classrooms and kindergarten auditorium; brick construction, plaster exterior, cast stone trim, clay tile roof, pine trim, maple floors; $72,000.

Plans and specifications may be obtained at the Secretary's office, 730 Security Bldg., Los Angeles. Bids taken separately on general contract, plumbing, heating, painting and electric wiring.

STORES AND OFFICES

Plans Being Prepared.
STORE, ETC. Cost, $30,000
SAN FRANCISCO. S Sutter Street, bet. Stockton and Powell Streets.
Two-story and basement Class C store and studio loft building (3 stores).
Owner—Proctor & Chamberlain.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

Contracts Awarded.
STORE BLDG. Cost, $40,000
BERKELEY, Alameda Co., Cal. Bancroft and Shattuck Avenue.
One-story and basement reinforced concrete and brick veneer store building (6 stores).
Owner— Blanche L. Porter (Boardman Estate).
Architect — James W. Plachek, 2011 Shattuck Ave., Berkeley.
Excavating, Grading and Concrete Work to Walter Murch, Federal Bldg., Oakland, $15,562.
Carpentry Work to C. Texdahl, 3035 Harper St., Berkeley, $7894.
Roofing and Dampproofing to Eberhart & Miner, Oakland, $688.
Plumbing to A. Feldheimer, Oakland, $995
Painting to C. E. Erwin, 1446 Sherman St., Alameda, $410.
Tile Work to Rigney Tile Co., Oakland, $153
Marble to Ray Cook Marble Co., Foot of Powell St., Oakland, $654.
Store Fronts to Kawneer Mfg. Co., Berkeley, $1269.
Glass and Glazing to W. P. Fuller & Co., $2150.
Wiring to Berkeley Electric Co., $1321.
Sidewalk Lights to P. H. Jackson, San Francisco, $320
Plastering to John Thompson, Oakland, $3770.

Plans Completed.
BUILDING Cost, $30,000
SAN FRANCISCO. N Pine 200 W Larkin 100 x 137-6.
One-story brick auto supply bldg.
Owner—MacDonald Kahn, 130 Montgomery St., San Francisco.
Architect—S. Heiman, 57 Post St., S. F.
Contractor—Owners.

Plans Being Prepared.
BUILDING Cost, $30,000
OAKLAND. Webster St. near 14th St.
One-story reinforced concrete auto sales building.
Owner—Withheld.
Architect—Meyer & Johnson, 742 Market St., San Francisco.

Plans To Be Prepared.
REMODELING Cost, $50,000
SAN FRANCISCO. Cliff House.
Remodel interior of cafe.
Owner—Charles Sutro.
Lessee—Richard P. Roberts.
Architect—Not Selected.

Contractor Taking Figures.
STORE BLDG. Cost, $25,000
SAN FRANCISCO. NW Post and Jones Streets.
One-story reinforced concrete store building (7) stores.
Owner—John Rosenfelds Sons.
Architect — Sam L. Hyman, Foxcroft Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St.

Contractors Taking Sub-Figures.
STORE BLDG. Cost, $40,000
SAN FRANCISCO NW Annie and Mission Streets.
One-story and basement brick store building.
Ownr—J. Eisenbech.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Contract Awarded.
STORE BLDG. Cost, $10,000
SAN FRANCISCO. S Geary 110-6 E Leavenworth St.
One-story and basement concrete store building (2) stores.
Owner—Roy Collins.
Architect—Earle B. Bertz, 168 Sutter St., San Francisco.
Contractor—Allen & Co., 168 Sutter St., San Francisco.

To be Done by Day's Work.
ALTERATIONS Cost, $15,000
SAN FRANCISCO. SE Turk and Taylor Streets.
Re-arrange store (remove steel columns & replace with H columns)
Owner—Wm. L. Gilmour 189 Jessie St., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Figures to be Taken Next Week.
STORE & LOFT BLDG. Cost, $[illegible]
SAN FRANCISCO. [illegible] Sutter St. [illegible] Stockton
Two-story and basement reinforced concrete store and [illegible] building.
Owner—Withheld.
Architect — O'Brien Bros., 240 Montgomery St., San Francisco.

Contract Awarded.
STORE BLDG. Cost, $[illegible]
SAN FRANCISCO. [illegible] Jones Street near Geary Street.
One-story and basement reinforced concrete store building, [illegible] stores).
Owner—Wm. H. Wosch[illegible]
Architect—Leo J. Devlin, [illegible] Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

THEATRES

Plans Being Revised
THEATRE Cost, $—
SAN FRANCISCO. Third and [illegible] Streets.
One-story Class A motion picture theatre.
Owner—Withheld.
Architect—A. W. Burgren, 110 Sutter St., San Francisco.

Plans Being Figured
THEATRE Cost, $—
SAN FRANCISCO. Embarcadero
Reinforced concrete motion picture theatre and store building.
Owner—Withheld.
Architect—A. W. Burgren, 110 Sutter St., San Francisco.

SEATTLE, Wash. — Martin Beck president of the Orpheum Vaudeville Circuit, announces he will construct a new theatre, seating 3000 persons, in this city. The structure will cost between $750,000 and $1,000,000

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Official Proposals

BIDS WANTED FOR CONCRETE AND PILING FOR STATE BUILDINGS

NOTICE TO CONTRACTORS

SEALED BIDS will be received by Geo. B. McDougall, State Architect, Chief, Division of Architecture, Forum Building, Sacramento, California, **up to and including 12 o'clock, Noon, Tuesday February 14, 1922**, said bids then and there to be publicly opened and read for furnishing all plant, materials and doing the work required for the complete construction and installation of all CONCRETE WORK AND PILING, for the SACRAMENTO STATE BUILDINGS, i. e., the Library and Courts Building and the Office Building, Sacramento, California, in accordance with plans and specifications therefor, copies of which may be obtained on application to the Division of Architecture, State Department of Public Works, Forum Building, Sacramento, California.

Such bids will be received for Concrete Work and Piling and must be submitted on forms prepared and furnished by said Division of Architecture.

Cash, a bidder's bond made payable to the State of California, or a certified check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten per centum (10%) of the amount of the bid must be enclosed with each bid.

A deposit of Twenty-Five ($25.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the said Division of Architecture, at Sacramento, California, in good condition.

The Division of Architecture, State Department of Public Works, reserves the right to reject any or all bids and to waive any informality in any bid received.

The construction work of said Sacramento State Buildings has been placed on a days labor basis and on said basis the said Concrete work and Piling, as a sub-division of said construction, is to be let by contract.

All bids must be addressed to Geo. B. McDougall, State Architect, Chief, Division of Architecture, Forum Building, Sacramento, California, and plainly marked on the envelope: "Proposal for Concrete Work and Piling Sacramento State Buildings, Sacramento, California."

STATE DEPARTMENT OF PUBLIC WORKS, DIVISION OF ARCHITECTURE.

GEO. B. McDOUGALL,
State Architect.
A. B. FLETCHER,
Director of Public Works.

BIDS WANTED FOR ARCHITECTURAL TERRA COTTA FOR STATE BUILDINGS

NOTICE TO CONTRACTORS

SEALED BIDS will be received by Geo. B. McDougall, State Architect, Chief, Division of Architecture, Forum Building, Sacramento, California, **up to and including 12 o'clock, Noon, Tuesday February 14th, 1922**, said bids then and there to be publicly opened and read, for the complete manufacture and setting of all ARCHITECTURAL TERRA COTTA, for the SACRAMENTO STATE BUILDINGS, i. e., the Library and Courts Building and the Office Building, Sacramento, California, in accordance with plans and specifications therefor, copies of which may be obtained on application to the Division of Architecture, State Department of Public Works, Forum Building, Sacramento, California.

Such bids will be received for Architectural Terra Cotta and must be submitted on forms prepared and furnished by said Division of Architecture.

Cash, a bidder's bond made payable to the State of California, or a certified check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten per centum (10%) of the amount of the bid must be enclosed with each bid.

A deposit of Twenty-Five ($25.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the said Division of Architecture, at Sacramento, California, in good condition.

The Division of Architecture, State Department of Public Works, reserves the right to reject any or all bids and to waive any informality in any bid received.

The Construction work of said Sacramento State Buildings has been placed on a days labor basis and on said basis the said Architectural Terra Cotta as a sub-division of said construction, is to be let by contract.

Alternate bids will be taken on the said Architectural Terra Cotta above mentioned as required by the proposal form which accompanies plans and specifications.

All bids must be addressed to Geo. B. McDougall, State Architect, Chief, Division of Architecture, Forum Building, Sacramento, California, and plainly marked on the envelope: "Proposal for Architectural Terra Cotta, Sacramento State Buildings, Sacramento, California."

STATE DEPARTMENT OF PUBLIC WORKS, DIVISION OF ARCHITECTURE.

GEO. B. McDOUGALL,
State Architect.
A. B. FLETCHER,
Director of Public Works.

BIDS WANTED FOR CUTTING AND SETTING GRANITE FOR STATE BUILDINGS

NOTICE TO CONTRACTORS

SEALED BIDS will be received by Geo. B. McDougall, State Architect, Chief, Division of Architecture, Forum Building, Sacramento, California, **up to and including 12 o'clock, Noon, Tuesday February 14th, 1922**, said bids then and there to be publicly opened and read, for the complete Furnishing, Cutting and Setting of all GRANITE for the SACRAMENTO STATE BUILDINGS, i. e., the Library and Courts Building and the Office Building, Sacramento, California, in accordance with plans and specifications therefor, copies of which may be obtained on application to the Division of Architecture, State Department of Public Works, Forum Building, Sacramento, California.

Such bids will be received for GRANITE and must be submitted on forms prepared and furnished by said Division of Architecture.

Cash, a bidder's bond made payable to the State of California or a certified check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten per centum (10%) of the amount of the bid must be enclosed with each bid.

A deposit of Twenty-Five ($25.00) Dollars will be required on plans and specifications the deposit to be returned immediately on the return of the plans and specifications to the said Division of Architecture, at Sacramento, California, in good condition.

The Division of Architecture, State Department of Public Works reserves the right to reject any or all bids and to waive any informality in any bid received.

The construction work of said Sacramento State Buildings has been placed on a days labor basis and on said basis the said Granite as a sub-division of said construction is to be let by contract.

Alternate bids will be taken on the said Granite above mentioned as required by the proposal form which accompanies plans and specifications.

All bids must be addressed to Geo. B. McDougall, State Architect, Chief, Division of Architecture, Forum Building, Sacramento, California, and plainly marked on the envelope: "Proposal for Granite, Sacramento State Buildings, Sacramento, California."

STATE DEPARTMENT OF PUBLIC WORKS, DIVISION OF ARCHITECTURE.

GEO. B. McDOUGALL,
State Architect.
A. B. FLETCHER,
Director of Public Works.

BIDS WANTED FOR CUT CAST GRANITE FOR STATE BUILDINGS

NOTICE TO CONTRACTORS

Sealed bids will be received by Geo. B. McDougall, State Architect, Chief, Division of Architecture, Forum Building, Sacramento, California, **up to and including 12 o'clock, noon, Tuesday, February 14th, 1922**, said bids then and there to be publicly opened and read for the complete manufacture and setting of all CUT CAST GRANITE for the SACRAMENTO STATE BUILDINGS, i. e., the Library and Courts Building and the Office Building, Sacramento, California, in accordance with plans and specifications therefor, copies of which may be obtained on application to the Division of Architecture, State Department of Public Works, Forum Building, Sacramento, California.

Such bids will be received for CUT CAST GRANITE and must be submitted on forms prepared and furnished by said Division of Architecture.

Cash, a bidder's bond made payable to the State of California, or a certified check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten per centum (10%) of the amount of the bid must be enclosed with each bid.

A deposit of Twenty-Five ($25.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the said Division of Architecture at Sacramento, California, in good condition.

The Division of Architecture, State Department of Public Works reserves the right to reject any or all bids and to waive any informality in any bid received.

The construction work of said Sacramento State Buildings has been placed on a days labor basis and on said basis the said Cut Cast Granite as a sub-division of said construction, is to be let by contract.

Alternate bids will be taken on the said Cut Cast Granite above mentioned as required by the proposal form which accompanies plans and specifications.

All bids must be addressed to Geo. B. McDougall, State Architect, Chief, Division of Architecture, Forum Building, Sacramento, California, and plainly marked on the envelope: "Proposal for Cut Glass Granite, Sacramento State Buildings, Sacramento, California."

STATE DEPARTMENT OF PUBLIC WORKS, DIVISION OF ARCHITECTURE.

GEO. B. McDOUGALL,
State Architect.
A. B. FLETCHER,
Director of Public Works.

BIDS WANTED FOR EXCAVATION WORK FOR STATE BUILDINGS

NOTICE TO CONTRACTORS

SEALED BIDS will be received by Geo. B. McDougall, State Architect, Chief, Division of Architecture, Forum Building, Sacramento, California, **up to and including 12 o'clock, noon, Tuesday,**

February 14th, 1922, said bids then and there to be publicly opened and read for furnishing all plant, materials and doing the work required for the complete EXCAVATION WORK, for the SACRAMENTO STATE BUILDINGS, i. e., the Library and Courts Building and the Office Building, Sacramento, California, in accordance with plans and specifications therefor, copies of which may be obtained on application to the Division of Architecture, State Department of Public Works, Forum Building, Sacramento, California.

Such bids will be received for Excavation Work and must be submitted on forms prepared and furnished by said Division of Architecture.

Cash, a bidder's bond made payable to the State of California, or a certified check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten per centum (10%) of the amount of the bid must be enclosed with each bid.

A deposit of Twenty-Five ($25.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the said Division of Architecture, at Sacramento, California, in good condition.

The Division of Architecture, State Department of Public Works reserves the right to reject any or all bids and to waive any informality in any bid received.

The Construction work of said Sacramento State Buildings has been placed on a days-labor basis and on said basis the said Excavation Work, as a sub-division of said construction, is to be let by contract.

All bids must be addressed to Geo. B. McDougall, State Architect, Chief, Division of Architecture, Forum Building, Sacramento, California, and plainly marked on the envelope: "Proposal for Excavation Work, Sacramento State Buildings, Sacramento, California."

STATE DEPARTMENT OF PUBLIC WORKS, DIVISION OF ARCHITECTURE,

GEO. B. McDOUGALL,
State Architect.
A. B. FLETCHER,
Director of Public Works.

BIDS WANTED FOR STRUCTURAL STEEL AND IRON FOR STATE BUILDINGS

NOTICE TO CONTRACTORS

Sealed bids will be received by Geo. B. McDougall, State Architect, Chief, Division of Architecture, Forum Building, Sacramento, California, **up to and including 12 o'clock Noon, Tuesday, February 14th, 1922,** said bids then and there to be publicly opened and read for the STRUCTURAL STEEL and IRON WORK, which includes furnishing, fabricating, delivery and erection in buildings complete, for the SACRAMENTO STATE BUILDINGS, i. e. the Library and Court Building and the Office Building, Sacramento, California, in accordance with plans and specifications therefor, copies of which may be obtained on application to the Division of Architecture, State Department of Public Works, Forum Building, Sacramento, California.

Such bids will be received for Structural Steel and Iron Work and must be submitted on forms prepared and furnished by said Division of Architecture.

Cash, a bidder's bond made payable to the State of California, or a certified check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten per centum (10%) of the amount of the bid must be enclosed with each bid.

A deposit of Twenty-Five ($25.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the said Division of Architecture, at Sacramento, California, in good condition.

The Division of Architecture, State Department of Public Works reserves the right to reject any or all bids and to waive any informality in any bid received.

The Construction work of said Sacramento State Buildings has been placed on a days labor basis and on said basis the said Structural Steel and Iron Work as a sub-division of said construction, is to be let by contract.

All bids must be addressed to Geo. B. McDougall, State Architect, Chief, Division of Architecture, Forum Building, Sacramento, California, and plainly marked on the envelope: "Proposal for Structural Steel and Iron Work, Sacramento State Buildings, Sacramento, California."

STATE DEPARTMENT OF PUBLIC WORKS, DIVISION OF ARCHITECTURE.

GEO. B. McDOUGALL,
State Architect.
A. B. FLETCHER,
Director of Public Works.

BIDS WANTED FOR BRICK AND TERRA COTTA WORK FOR STATE BUILDING

NOTICE TO CONTRACTORS

SEALED BIDS will be received by Geo. B. McDougall, State Architect, Chief, Division of Architecture, Sacramento, California, **up to and including 12 o'clock, noon, Tuesday, February 14th, 1922,** said bids then and there to be publicly opened and read for the complete construction and installation of all BRICK WORK (excluding Structural Terra Cotta) for the SACRAMENTO STATE BUILDINGS, i. e., the Library and Courts Building and the Office Building, Sacramento, California, in accordance with plans and specifications therefor, copies of which may be obtained on application to the Division of Architecture, State Department of Public Works, Forum Building, Sacramento, California.

Such bids will be received for Brick Work and must be submitted on forms prepared and furnished by said Division of Architecture.

Cash, a bidder's bond made payable to the State of California, or a certified check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten per centum (10%) of the amount of the bid must be enclosed with each bid.

A deposit of Twenty-Five ($25.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the said Division of Architecture, at Sacramento, California, in good condition.

The Division of Architecture, State Department of Public Works, reserves the right to reject any or all bids and to waive any informality in any bid received.

The construction work of said Sacramento State Buildings has been placed on a days labor basis and on said basis the said Brick Work as a sub-division of said construction, is to be let by contract.

All bids must be addressed to Geo. B. McDougall, State Architect, Chief, Division of Architecture, Forum Building, Sacramento, California, and plainly marked on the envelope: "Proposal for Brick Work, Sacramento State Buildings, Sacramento, California."

STATE DEPARTMENT OF PUBLIC WORKS, DIVISION OF ARCHITECTURE,

GEO. B. McDOUGALL,
State Architect.
A. B. FLETCHER,
Director of Public Works.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on February 6, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Mariposa County, between Sierra National Forest and Briceburg (VI-Map-18-E), about five and seven-tenths (5.7) miles in length to be graded.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON
CHARLES A. WHITMORE
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated January 9, 1922.

NOTICE INVITING SEALED PROPOSALS FOR FURNISHING WATER PIPE AND FITTINGS

NOTICE IS HEREBY GIVEN That the Council of the City of Santa Cruz invites sealed proposals or bids for furnishing the following:

4500 ft. 8 inch Class B Cast Iron Pipe Bell & Spigot Joints.
8—8"x4" Cast Iron Tees.
2—8"x6" Cast Iron Tees.
1—8"x6" Cast Iron Cross.
2—8" 1-16 Cast Iron Bends
6—4"x4" Cast Iron Tees.
2—4"x4" Cast Iron Crosses.

Pipe and fittings to be delivered F. O. B. Seabright. Delivery to be made within 60 days after award of contract.

Said Proposals or Bids will be received at the Office of the City Clerk in the City Hall, Church Street, in the City of Santa Cruz, **up to the hour of 5 o'clock P. M. on Monday, the 23d day of January, 1922,** and the same will be opened at 9.30 A. M. on Tuesday, the 24th day of January, 1922.

All Proposals or Bids must be in writing and must be accompanied by a certified check for ten per cent of the amount bid, payable to the City of Santa Cruz.

The Council reserves the right to reject any and all bids.

S. A. EVANS,
City Clerk.

BIDS WANTED FOR HOSPITAL BUILDINGS

NOTICE TO CONTRACTORS

County of Kings, State of California.

Sealed proposals, addressed to the Board of Supervisors, County of Kings, State of California, and endorsed "Proposals for the Construction of Isolation Building for the Kings County Hospital," as per plans and specifications on file, will be received by the Board in its chambers in the Court House, at Hanford, **until 11:00 o'clock A. M., of the 28th day of January, 1922,** and at that time and place will be publicly opened and read.

Plans, specifications and blank forms of proposal for work may be obtained at the office of the Clerk of the Board of Supervisors or at the County Surveyor's Office at Hanford, California, on payment of $[illegible] ([illegible] returnable). All proposals must be made on said blank forms, must give the prices proposed [illegible] and figures, and must [illegible] bidder with his address. The phraseology of the proposal must not be changed and any alteration made by the bidder will make the proposal informal and liable to rejection.

Each bid to be presented under sealed cover and shall be accompanied by cash, a bidder's bond or a certified check made payable to the order of the Chairman of the Board of Supervisors of the County of Kings, State of California, for an amount equal to at least

ten (10) per cent of the amount of said bid, and no bid shall be considered unless such cash bond or check is enclosed therewith, such cash, bond or check to be returned to the bidder unless forfeited under the conditions herein stipulated.

A good and satisfactory bond will be required for the faithful performance of the contract in a sum equal to twenty-five (25) per cent of the amount of the contract, and a further bond in a sum equal to one-half of the amount of the contract must be furnished as required by the terms of an act of the legislature of the State of California, entitled, "An Act to Secure the payment of the claims of persons employed by Contractors upon Public Works, and the claims of persons who furnish materials, supplies, teams, implements, or machinery used or consumed by such contractors in the performance of such works, and prescribing the duties of certain public officers with respect thereto," approved May 10, 1919, known as Chapter 303 of the Statutes of 1919. The sureties on both bonds must be approved by the Board of Supervisors.

The quantities to be bid on are as follows:

Type No. 1. Isolation building of hollow tile construction as per plans and specifications.

Type No. 2. The same hut of brick construction.

The bidder to whom the contract may be awarded will be required to appear at the office of the Board of Supervisors, with the sureties offered by him, and execute a contract within ten (10) days, (not including Sunday) after it is awarded to him. In case of failure or neglect to do so, he may be considered as having abandoned it, and the cash, bond or check accompanying the proposal may, at the option of the Board of Supervisors, be forfeited to the County of Kings, State of California.

All bids will be compared on the basis of the estimated quantities of work to be done, as shown in the specifications.

The Board of Supervisors reserves the right to reject any or all proposals.

BOARD OF SUPERVISORS OF THE COUNTY OF KINGS, STATE OF CALIFORNIA.
By A. F. SMITH, Chairman.
Attest: E. F. PICKERILL, Clerk.
Hanford, California, January 4, 1922.
(Seal.)

NOTICE TO CONTRACTORS

(IRRIGATION WORKS)

SEALED PROPOSALS will be received by the Board of Directors of the Happy Valley Irrigation District at the office of said Board at Olinda, Shasta County, California, **up to and including two o'clock P. M. on the 30th day of January, 1922,** for the following described work, to wit:

Excavation and construction for the purpose of enlargement, rebuilding and reconstructing the Main Canal of said District from a point near Hoover Creek to the boundaries of the Happy Valley Irrigation District including lowering the grade, widening and enlarging the canal, constructing weirs, waste gates, overhead crossings, metal flumes and concrete flumes, removing sand and rocks from the bottom and bed and sides of said canal, reconstructing flumes and structures now in place; changing the location of portions of said canal as mentioned and set forth in items No. 1 to 38 inclusive, and No. 42 to No. 44 inclusive, of the plans and specifications prepared by H. S. Riddell, Supervising Engineer, and Thomas H. Means, Consulting Engineer, under date of August 14, 1920, as amended by report of Leo K. Kennedy in his report of December 19, 1921.

Such work is more particularly described and specified in the plans and specifications, maps and profiles of such work on file in the office of said Board and to which reference is hereby made for more detailed and specific information in regard to said work. Said plans and specifications may be inspected at all times during business hours, i. e., between the hours of 9 o'clock A. M. and 5 o'clock P. M. of each day.

Said work will be let to the lowest responsible bidder and the Board reserves the right to let said work either in portions or as a whole; and the Board reserves the right to reject any and all bids.

All bids must be in writing and signed by the bidder and must be upon the forms furnished by the Board with the blanks properly filled in, and be enclosed in a separate sealed envelope, endorsed with the description of the particular work described in said bid.

Said proposals shall be delivered to the secretary of the Board of Directors in person, by mail or by express, before the time for opening said proposals as herein provided.

Said proposal will be opened in public at 2 o'clock P. M. on the 30th day of January, 1922, at the office of said Board, and will thereafter be considered by said Board and the work let as herein specified.

Said proposals must be accompanied by a certified check upon some bank of good standing in the State of California, payable to the Board of Directors of the Happy Valley Irrigation District, for an amount equal to ten per cent of such proposal (in the aggregate), which check will be returned to the bidder if his bid is not accepted, or if he makes, executes and delivers the contract and bonds in said specifications and in this notice required within ten days after the award shall have been made; and if he fails to enter into such contract, and to furnish such bonds within said time, then said check and the money payable thereon shall be and remain the property of said District. No conditions whatever shall be endorsed upon said check.

Any person to whom a contract may be awarded shall, after the notice of award of such contract, and within ten days after such notice, make, execute and deliver to said Board a written contract in a form satisfactory to said Board for the performance of said work in the manner and at the time specified, and upon the forms prescribed by this notice, such proposed and said plans and specifications and shall at said time enter into a good and sufficient surety bond, to be approved by said Board, payable to said District for its use, for twenty-five per cent of the amount estimated as the contract price, conditioned for the faithful performance of said contract according to said plans and specifications; and shall at said time, execute and deliver to said district a good and sufficient surety bond for not less than fifty per cent of the proposed contract price, as required by the provisions of an act of the legislature approved May 10, 1919, entitled "An act to secure the payment of the claims of persons employed by contractors upon public works, and the claims of persons who furnish materials, supplies, teams, implements of machinery used or consumed by such contractors in the performance of such works, and prescribing the duties of certain public officers with respect thereto."

The successful bidder will be required to protect the District against all liability for compensation for personal injuries or death, by providing and maintaining sufficient insurance against such liability, as may be required by the Board of Directors and provided in said specifications.

The work shall be done under the direction and to the satisfaction of the engineer of said District, and be approved by the Board and shall be completed on or before April 1st, 1922.

A description of said work, specified under the said plans and specifications to be performed by said bidder is fully set forth on the plans and specifications, hereinabove referred to.

Said bids shall specify the unit prices as designated on the bidding sheet attached to said specifications.

Full details of the requirements may be obtained from said plans and specifications, maps and profiles on file in the office of said Board of Directors.

By order of said Board of Directors of the Happy Valley Irrigation District.

Dated January 2nd 1922.

L. F. ALTERMATT
President
JOHN J. McCRORY
Secretary.

BIDS WANTED FOR DETENTION HOME ADDITION

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received by the Clerk of the Board of Supervisors of the County of Kern, **up to 10.30 A. M., Monday, the thirtieth day of January, 1922,** for the furnishing of all materials and labor for and, the erection and completion of a one-story frame addition to the Kern County Detention Home Building, Bakersfield, Calif., in accordance with plans and specification for said building, on file with said clerk and open for the inspection of bidders. Copies of said plans and specifications may be had at the office of Charles H. Biggar, architect, First National Bank Building, Bakersfield, and the work will be done under his supervision.

Certified check in the amount of ten per cent of the amount bid must accompany each bid. Such check to be made payable to the Clerk of the Board of of Supervisors, County of Kern, Calif., and will be held as evidence of good faith, that the successful bidder will enter into contract for the erection of the building and will furnish good and sufficient bond therefore.

The Board of Supervisors reserves the right to reject any or all bids and to waive any informality in any bid received.

By order of the Board of Supervisors of the County of Kern, made January 3, 1922.

F. E. SMITH,
County Clerk, ex-officio clerk of the Board of Supervisors.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **The California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on January 23, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Santa Barbara County, between Cuyama River and Buckhorn Creek (V-SB-57-A), about six and one-tenth (6.1) miles in length to be graded.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated December 27, 1921

(Continued on Page 21)

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SAN FRANCISCO, Cal.—The Board of State Harbor Commissioners, received the following bids on January 12th, for furnishing material and constructing the sub-structure for the China Basin Terminal, on the water front of the City and County of San Francisco. All bids were taken under advisement until January 19th:

Bids were taken on the following items: (1) Dredging 22,000 yds; (2) Sand Fill 198,000 yds.; (3) Class A Rock, 4500 tons; (4) Class B Rock, 33,000 tons; (5) Green Piles, 300,000 lin. ft.; (6) Handling and Driving Piles, 300,000 lin. ft.; (7) All other work not included in Items 1 to 6.

San Francisco Bridge Co., Nevada Bank Bldg., (1) unit price, $2.30, total $50,600; (2) unit price 65c, total $128,700; (3) unit price $3.30, total, $14,850; (4) unit price 90c; total $29,700; (5) unit price 21c; total, $63,000; (6) unit price 18c, total $54,000; (7) $536,850. Total amount bid, $877,700.

Tibbitt Pacific Co., 16 California, (1) unit price $1.25, total $27,500; (2) unit price 65c, total $128,700; (3) unit price $3.50, total $15,750; (4) unit price, $1, total $33,000; (5) unit price 23c, total $69,000; (6) unit price 15c, total $45,000; (7) $640,691. Total amount bid, $959,641.

Hannah Bros., 142 Sansome St., (1) unit price 50c, total $11,000; (2) unit price 57c, total $112,860; (3) unit price $3.75, total $16,875; (4) unit price $2, total, $66,000; (5) unit price 24c, total $72,000; (6) unit price 15c, total $45,000; (7) $456,265. Total amount bid, $780,000.

Healy-Tibbitts Co., 9 Main St., (1) unit price 75c, total $16,500; (2) unit price 40c; total $79,200; (3) unit price $3, total $13,500; (4) unit price $1.25, total $41,250; (5) unit price 20c, total $60,000; (6) unit price 15c, total $45,000; (7) $505,893. Total amount bid, $761,343.

TACOMA, Wash.—Tacoma Port Commission rejects bids received for constructing pier; plans will be revised and new bids called.

PHOENIX, Ariz.—Following is the schedule of quantities and unit prices of the proposal on which contract for construction of the Cave creek flood control dam (Eastwood multiple arch) near Phoenix, was awarded to Lynn S. Atkinson, Jr., Chapman Bldg., Los Angeles (headquarters, Red Bluff, Cal., P. O. Box 626): 2.5 acres clearing brush at $100 acre; 6685 cu. yds. surface excavation at $1 yd; 2578 cu. yds. pit excavation for arch cut-off walls at $2.50 yd.; 8160 cu. yds. pit excavation for buttress walls at $1.50 yd.; plain concrete 1:2½:5 mix, in buttress walls at $20 yd.; 7680 cu. yds. reinforced concrete in arches at $25 yd.; 75,511 lbs. ½-in. and 345,324 lbs. ¾-in. steel bars at 5c lb.; outlet works consisting of three 30-in. ¼-in. riveted metal pipes 8 ft. long and three 2-ft. long and three 30-in. standard gate valves, $2500 lump sum; 307 ft. old 30-lb. rail for screen bars at 65c ft.; 1105 ft. hand rail for 20 spans at $1 ft. and iron rung ladder to gate platform, $75; total, $372,294.80. A new design will be used by Engineer Eastwood in construction of the Cave creek dam, the upstream face having a curved instead of a straight slope. V. A. Thompson, cit ymanager of Phoenix, is chairman of the Cave creek flood control board.

RIVERSIDE, Riverside Co., Cal.—A competition for design for the new reinforced concrete bridge over Santa Ana river in West Riverside will be held. County surveyor A. C. Fulmor has been instructed by the County Supervisors to draw up a program for the competition. Cash prizes will probably be offered. The bridge will cost about $100,000.

BLYTHE, Riverside Co., Cal.—P. B. Engh, Pacific Electric Bldg., Los Angeles, awarded contracts for two sections of earth levees for the Palo Verde Joint Levee District, the Hauser shoo-fly at $39,243.40 and the Casad shoo-fly at $33,278.28. Cox & Boucher of Calexico bid $59,865 and $39,541.86 respectively for this work and Leroy Little of Calexico bid $64,160 and $49,992.65 respectively. A. Casagrande awarded contracts for earth jetties Nos. 1 and 2 at $3350.80 and $793.76 respectively. Hal Wood awarded contracts for jetties Nos. 3 and 4 at $1016.84 and $3900.76 respectively. No action taken on bids for the cut-off channels. Bids for this work were: Chas. Thompson (a) Hauser Bend channel, $40,235.50; (b) Casad Bend channel, $21,076.75; W. T. Ellington (a) $47,401.50; (b) $25,186.65; Leroy Little (a) $53,865; (b) $22,913.55; Cox & Boucher (a) $50,487; (b) $32,151.60; Burnett & Stevenson bid $27,231.75 for excavation only on Casad Bend.

LONG BEACH, Cal.—City Council has decided to submit bond issue of $500,000 for dredging channels in harbor and a $2,000,000 bond issue for purchase of lands of Dock & Terminal Co. at the harbor.

OAKLAND, Cal.—Healy-Tibbits Co., 9 Main St., San Francisco, at $5,147.50 awarded contract by supervisors to replace piles, caps and bracing in approaches and jack benches of Bay Farm Island Bridge. Other bidders: M. B. McGowan, $5,985; Tibbits Pacific Co., $5,875; A. W. Kitchen, $5,835. Geo. A. Posey, county surveyor.

FRESNO, Fresno Co., Cal.—Merced Fraser Co., 109 G St., Eureka, awarded contract by Minerts and Western Railroad to construct steel bridge, a part of the 55-mile railroad the company will build into the timberlands. Contract for furnishing steel, approximately 500 tons, for the structure, has been awarded to the American Bridge Co., Rialto Bldg., San Francisco. T. O. Russell, 1514 H St., Fresno, is chief engineer for the company.

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SANTA CRUZ, Santa Cruz, Co., Cal.—City Engineer James K. James preparing specifications for a drainage system to carry off waters on old Uhden-Leibrandt tract.

SACRAMENTO, Cal.—City Commissioners appropriate $15,000 to repair river levee for a distance of 2000 ft. Albert Givan, city engineer.

ANAHEIM, Orange Co., Cal.—Practically the entire fund of $45,000 to build a levee on the Santa Ana river has already been subscribed. The levee will consist of two rows of wood piling covered with wire mesh and an earth embankment. About 2000 piles 22-ft. lang will re required.

MONROVIA, Los Angeles Co., Cal.—At a meeting of representatives of various interests in the San Gabriel basin resolutions were adopted asking the county supervisors to appropriate $50,000 for surveys for dams in the San Gabriel and Tejunga canyons for flood control and water conservation.

WASHINGTON, D. C.—Army engineers have recommended an appropriation of $3,310,000 for improving Coos Bay Harbor and Isthmus slough, Oregon.

PHOENIX, Ariz.—Salt River Valley Water Users Association is planning to build a dam at Mormon Flat, about 35 miles from Mesa on Salt River. About 5000 horsepower electrical energy can be generated at this point. Power will be used for pumping water from river to irrigate a large additional area.

SEATTLE, Wash.—Until Feb. 6, bids will be received by County Commissioners to construct steel bridge over Snoqualmie river at Tolt; 200 ft. curved chord Pratt truss riveted span on concrete piers with 400 ft. trestle approach. Estimated cost, $35,000.

EUREKA, Humboldt Co., Cal.—County Clerk Fred M. Kay, instructed to advertise for bids for constructing drawbridge over Mad river slough. Specifications will provide for the alternate use of concrete and wood piers. A. J. Logan, county surveyor.

IRRIGATION PROJECTS

SEATTLE, Wash.—Chambers of Commerce through the state of Washington urge immediate undertaking of Columbia basin irrigation project, estimated to cost $320,000,000. It is reported that General George Goethals, builder of the Panama Canal has agreed to make a survey for a fee of $25,000 of which the State Reclamation Bureau is ready to pay $15,000, the remaining $10,000 to be raised by public subscription.

NEWPORT BEACH, Orange Co., Cal.—Directors of the Newport Heights Irrigation District will call for bids shortly for a complete modern water plant, including reservoirs, pumping plants and pipe distributing system. Bonds to amount of $160,000 have been voted but the cost is estimated at about $250,000. Additional bonds will be voted as soon as amount is determined. Paul E. Kressly, H. W. Hellman Bldg., Los Angeles, Engineer.

OROVILLE, Butte Co., Cal.—Steps have been taken to organize an irrigation district for 20,000 acres in the Termalite and Table mountain district. It is proposed to build a dam at Concow Valley, 30 miles north of Oroville. Probable cost, $1,000,000. The Oroville-Wyandotte Irrigation District with 30,000 acres and Hancut-Yuba District with 32,000 acres have already been organized.

OLINDA, Shasta Co., Cal.—Until Jan. 30, 2 P. M., bids will be received by Happy Valley Irrigation District, John J. McCrory, for improvements in the district. **See call for bids under official proposal section in this issue.** Leo K. Kennedy, supervising engineer, Olinda. Thos. H. Means, 58 Sutter St., San Francisco, consulting engineer.

MERCED, Merced Co., Cal.—R. C. Starr, the new Chief Engineer of Merced Irrigation District has intimated that the district will do its own construction work instead of having it done by contract. This was his policy on the San Joaquin Light & Power Company's Kerckhoff dam and hydro-electric plant. The dam to be built by the Merced District at Exchequer will be 310 ft. high, 176 ft. thick at the base and 16 feet at the top and 67 ft. long at the bottom and 850 ft. at the top. The power plant will have 40 H. P. capacity.

KNIGHTSEN, Contra Costa Co., Cal.—Following low bids received by Knightsen Irrigation District for furnishing and laying machine made and reinforced concrete pipe:

Machine Made Pipe—John Kristich, Kings City, Cal., $41,565; **Reinforced Concrete Pipe**—John Kristich, Kings City, $26,375; **for furnishing pipe only**—Cowden Broderick Co., Hearst Bldg., San Francisco, $21,300. Bids taken under advisement. W. F. Woolley, chief engineer for district.

LIGHTING SYSTEMS

HERMOSA BEACH, Los Angeles Co., Cal.—Petitions will be circulated for an ornamental lighting system on Pier Ave. from Hermosa Ave. to city limits.

MACHINERY

TERRA BELLA, Tulare Co., Cal.—Allis-Chalmers Mfg. Co., Rialto Bldg., San Francisco, at $1,337, awarded contract by Terra Bella Irrigation District to furnish 1 horizontal centrifugal pump, capacity 5,000 gals. per minute, against head of 125-ft., direct connected to motor. Contract for one electric motor 200 horsepower, 2200 volts, 3-phase, let to same company for $1,675. Earle R. Clemens, secretary of district.

EUREKA, Humboldt Co., Cal.—Until Jan. 17, 8 P. M., bids will be received by John Griffith, Supt. of Public Works, for furnishing and delivering 12,000 lin. ft. 2-0 copper trolley wire delivered f. o. b. Steamer Docks, San Francisco.

EUREKA, Humboldt Co., Cal.—Until Jan. 17, 8 P. M., bids will be received by John Griffith, Superintendent of Public Works, for furnishing and delivering 20 tons of car wheels. **See call for bids under official proposal column in this issue.**

FRESNO, Fresno Co., Cal.—Bids will be asked by City Commissioners in the immediate future for furnishing and delivering cable for fire alarm station to be erected at Divisadero and Howard streets. Wm. Stranahan, City Engineer.

SAN DIEGO, Cal.—Until 11 A. M., Jan. 30, bids will be received by supervisors for furnishing and installing a large size mixing machine equipped with electric motor in kitchen at county hospital. Certified check for 5% required.

VENTURA, Ventura Co., Cal.—County Surveyor Chas Petit has been authorized by supervisors to purchase a rock crusher and engine.

SACRAMENTO, Cal. — Latourette-Fical Co., 3131 Sacramento Blvd., Sacramento, awarded contract by City Commissioners for installing pumping equipment in Sewage Pumping Station No. 1. Albert Givan, city engineer.

SAN FRANCISCO—Until Jan. 17, 10:30 A. M., bids will be received by M. R. Norris, Secretary, Board of Education, 2nd Floor, City Hall, for furnishing and installing 1500 steel lockers. Specifications will be furnished on request.

SANTA CRUZ, Santa Cruz Co., Cal.—Until Jan. 23, (to be opened Jan. 24) bids will be received by S. A. Evans, city clerk, for furnishing and delivering cast iron pipe and fittings. **See call for bids under official proposal column in this issue.**

LOS ANGELES, Cal.—Until 3 P. M., Jan. 31, bids will be received by Board of Public Service, 207 S. Broadway, for one lathe; Specification No. P-215. Jas. P. Vroman, secretary.

RENO, Nevada—Until Feb. 11, 12 M., bids will be received by E. H. Beemer, county clerk, for furnishing and delivering one 7-passenger touring car. Further information on request.

SANTA ROSA, Sonoma Co., Cal.—Adams & Brauch, Santa Rosa, at $5,330 submits only bid to supervisors for constructing county asphalt heating plant. Bid taken under advisement. R. Press Smith, county Surveyor's estimate, $4,000.

RAILROADS

SAN FRANCISCO—U. S. Steel Products Co., Rialto Bldg., San Francisco, at $58,265 awarded contract by Board of Public Works for furnishing 820 tons of 9-in. girder rail; 1,600 pair joint plates; 150 kegs track bolts, and under Section B, 200 kegs of spikes and 30,000 tie plates at $6,100.

Payne Bolt Works, Howard and Main Sts., at $1,140 awarded contract to furnish 3,000 tie rods. M. M. O'Shaughnessy, city engineer.

SAN FRANCISCO—Until Jan. 18, 3 P. M., bids will be received by Board of Public Works for furnishing and delivering f. o. b. Municipal Pipe Yard, 6th and Hubbel streets, electric cable and splicing materials for Municipal Railway Extensions; Mission and Taraval Aves., under Contract No. 120. Bond of $6,000 required of successful bidder. Bids are wanted under **Section A:** unit (1) 1,000,000 c. m. lead covered cable; unit (2) 750,000 c. m. lead covered cable; unit (3) Davis open air terminals. **Under Section B:** unit (1) 1,500,000 c. m.; unit (2) 750,000 c. m.; unit (3) 500,000 c. m., and unit (4) 250,000 c. m. double braided, waterproof cables. Specifications may be obtained from City Engineer's office, 3rd floor, city hall.

SEATTLE, Wash.—Great Northern Railway opens bids for constructing 22½ mils of new track between Bluestem and Lamona and 8 miles of new track between Hillyard and Dean, in eastern Washington. Names of bidders and amount of bid have not been made public.

CHIHUAHUA, Mex.—Dudley & Orr of El Paso have contract for 47 miles of grading and culvert work on the new Chihuahua and Oriente railroad, for Lucero, on the Mexican Central, to properties of Erupcion Mining Co., and Ahumada Lead Co., at whose expense the line will be built and operated. Col. J. C. Greenway of Warren, Ariz., is president of the new railway organization and T. Hicklin of Ajo is Chief Engineer. D. Bruce Smith is General Manager.

FIRE EQUIPMENT

FRESNO, Fresno Co., Cal.—City Commissioner will ask bids in immediate future for constructing fire alarm station at Divisadero and Howard streets. R. Y. St. George, is city clerk.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

SACRAMENTO, Cal.—Following are approximate quantities of materials for grading 6.1 miles of highway in Santa Barbara county between Cuyama river and Buckhorn creek, bids for which will be opened by State Highway Commission, Jan. 23rd: Item (1) 203,000 cu. yds. excavation without classification; (2) 690 cu. yds. class A Portland cement concrete (culverts and monuments); (3) 850 cu. yds. dry rubble (retaining walls); (4) 1,004 lin. ft. 12" corrugated metal pipe; (5) 1,662 lin. ft. 18" corrugated metal pipe; (6) 428 lin. ft. 24" corrugated metal pipe; (7) 132 lin. ft. 36" corrugated metal pipe; (8) 11,000 lin. ft. guard rail; (9) 488 each, hauling and setting monuments. Alternative items: (10) 1,004 lin. ft. 12" reinforced concrete pipe; (11) 1,662 lin. ft. 18" reinforced concrete pipe; (12) 428 lin. ft. 24" reinforced concrete pipe; (13) 132 lin. ft. 36" reinforced concrete pipe.

NOTE—Alternative Items 10, 11, 12 and 13 are to be considered as alternative items for Items 4, 5, 6 and 7.

Commission will furnish reinforcing steel, cement, corrugated metal pipe and reinforced concrete pipe. Austin B. Fletcher, state highway engineer.

FRESNO, Fresno Co., Cal.—Federal Construction Co., Call Bldg., San Francisco, at $34,355, submits low bid to council for improving Wilson Ave. between McKinley and Olive Aves. involving 126,732 ft. grading; 94,457 ft. 2-in. asphalt pavement; 9,708 sq. ft. concrete gutter; 4,576 ft. concrete curb; 7,356 ft. artificial stone sidewalks; 35 ft. 12-in. culvert. Other bidders: Thompson Bros., 1514 H St., Fresno, $34,455. California Road and Street Improvement Co., Bank of Italy Bldg., Fresno, $35,000.59. Bids taken under advisement. Wm. Stranahan, city engineer.

STOCKTON, San Joaquin Co., Cal.—Moreing Bros., Commercial and Savings Bank Bldg., Stockton, at $80,925, awarded contract by council to improve streets in Lakepark Addition, involving 8,764 cu. yds. excavation; 1,101 cu. yds. embankment; 16,124.21 lin. ft. curb and gutter; 76,655.35 sq. ft. sidewalk; 293,145.61 sq. ft. 4-in. cement gravel base with 2-in. asphaltic macadam wearing surface.

Moreing Bros., also awarded contract to improve streets in City Park and Lakeside Terraces, involving 6,072 cu. yds. cut; 1,248 cu. yds. fill; 10,528.95 lin. ft. curb and gutter; 51,125.10 sq. ft. sidewalk; 174,159.22 sq. ft. 4-in. cement gravel base with 2-in. asphaltic macadam wearing surface. W. B. Hogan, city engineer.

PRESCOTT, Ariz.—Until 10 A. M., Jan. 21, bids will be received by Yavapai Co. highway commission for constructing Secs. 3 and 4, Prescott to Canyon highway, 9 miles, involving 3500 cu. yds. common excavation; 2500 cu. yds. loose rock excavation; 5000 cu. yds. solid rock excavation; 19,500 cu. yds. borrow; 500 cu. yds. loose rock borrow; 17,000 cu. yds. surfacing; 7750 cu. yds. earth ditching; 300 cu. yds. solid rock ditching; 153 cu. yds. culvert excavating; 185 cu. yds. excavation for fords; 188 cu. yds. A concrete; 191 cu. yds. B concrete; 75 cu. yds. rubble concrete; 6000 lbs. reinforced steel; 1000 lin. ft. grader ditch and corrugated metal pipe culverts. Bids will be received at same time for constructing Sec. 4, Mayer to Humboldt, 8 miles, involving 15,300 cu. yds. common excavation; 3600 cu. yds. loose rock excavation; 2400 cu. yds. solid rock excavation; 2700 cu. yds. borrow; 900 cu. yds. loose rock borrow; 13,000 cu. yds. surfacing; 4700 cu. yds. earth ditching; 900 cu. yds. loose rock ditching; 150 cu. yds. solid rock ditching; 301 cu. yds. A concrete; 251 cu. yds. B concrete; 100 cu. yds. rubble concrete; 286 cu. yds. excavation for bridges; 568 cu. yds. excavation for fords; 14,845 lbs. reinforced steel; 10,000 lin. ft. grader ditch and corrugated metal pipe culverts. Certified check for 5%. Deposit of $10 required for plans and specifications. A. N. Jones, secretary.

OAKLAND, Cal.—Geo. C. DeGolyer, awarded contract by Council to construct 8-in. vitrified sewer, $3.00 lin. ft.; wye branch, $1 each, and lamphole, $25 each; in Montgomery St. between Mather and Howe. Geo. Mattis, city engineer.

YREKA, Siskiyou Co., Cal.—No bids received by supervisors for Hessig to Oregon line road. Action postponed indefinitely. H. J. Sarter, county surveyor.

GLENDALE, Los Angeles Co., Cal.—About 50 street improvement projects are coming up in Glendale. City Engineer C. L. Hill states that two or three will be offered for bids every week until the program is cleaned up.

MARYSVILLE, Yuba Co., Cal.—If the $80,000 bond election to pave street intersections carries Jan. 16, the city trustees are pledged to pave 47 blocks of streets, fronting property where petitions have been made to pave. Petitions have been filed by property owners on D St., 5th to 14th; 6th St. from C to A; 5th St. from D to Chestnut; 2nd, 3rd and 4th Sts. from B to A; 1st St. from D to B; B and C Sts. from 1st to 2nd; G St. from 3rd to 14th; 12th St. from G to H, and 14th St. from G to B Sts. W. M. Meek, city engineer.

VENTURA, Ventura Co., Cal.—Until Jan. 25, bids will be received by supervisors of Ventura Co. for paving three strips on the road between Santa Paula and Ojai, including nearly 3 miles on the Dennison road, a strip between Sulphur mountain and springs and between the Dennison and Thompson bridges. Grading has been practically finished. About $40,000 is available. Chas. Petit, County Surveyor.

SAN DIEGO, Cal.—A petition has been filed with council for paving 25th St. from Broadway to Logan Ave., a distance of more than a mile. Residents of Golden Hill will petition for paving all streets running north and south and east and west from 16th St. east and from Balboa Park to Market St. south.

FRESNO, Fresno Co., Cal.—Thompson Bros., 1514 H St., Fresno, awarded contract by Council to construct 6-in. vitrified clay pipe lateral sewer in Block 30, Kearney Boulevard Heights, wyes and manholes; 54c lin. ft. sewer; manholes $39 each. Wm. Stranahan, city engineer.

CHICO, Butte Co., Cal.—T. H. Polk, 511 2nd St., Chico, at $3,373 awarded contract by Board of Education, to connect Chico high school sewer with Ivy St. lateral. Other bidders: Geo. DeGoyler, Oakland, $3,745; B. F. Steffen Chico, $4,370.

SAN FRANCISCO—Until Jan. 18, 3 P. M., bids will be received by Board of Public Works for constructing 15,980 lin. ft. concrete curbs and 300,540 sq. ft. asphaltic concrete pavement in Merritt Terracefl Specifications may be had from City Engineer's office, 3rd floor, city hall.

LONG BEACH, Cal.—Plans for sanitary sewers in four districts are being planned by city engineering department. About 14 miles of laterals will be laid in District No. 6 in southeast section of city.

GRASS VALLEY, Nevada Co., Cal.—Chamber of Commerce urges council to inaugurate permanent street paving program.

SACRAMENTO, Cal.—Good Roads Committee of Sacramento Chamber of Commerce appoints committee to submit report on improving and constructing new highways in county. Supervisors will be asked to call a bond election.

GLENDALE, Los Angeles Co., Cal.—Fleming Construction Co., 105 N Park Ave., Pomona, submitted the low bid at $26,101.50 for improving portions of Lexington, Doran, Howard, Everett and Geneva Sts., involving 5180 lin. ft. grading, 90,990 sq. ft. oiling and surfacing, 86,700 sq. ft. 3-in macadamized paving, 9,030 ft. curb, 45,000 sq. ft. sidewalk and laying 2,985 ft. 4-in. C. I. pipe. Other bids were: Peter L. Ferry $26,732.75; Ducey & Breitenstein, Pasadena, $28,773.90.

Peter L. Ferry, 614 E. Acacia Ave., submitted the only bid at $6,079.50 for improving Elk Ave., involving 692 lin. ft. grading at $1 ft.; 33,600 sq. ft. oiling and surfacing at 5½c ft.; 1,737 ft. curb at 50c ft.; 8,700 sq. ft. sidewalk at 18c ft. and laying 692 ft. 4-in. C. I. pipe at $1.25 ft. Bid referred to City Engineer C. L. Hill.

LONG BEACH, Cal.—More street improvement work will be undertaken during 1922 than in any previous year. Council has approved five street paving projects amount which are Chestnut avenue, between Fourth and Anaheim Sts.; St. Louis Ave. between Fourth and Tenth and Tenth between Pine and Cherry. Twenty-three street paving jobs are held up awaiting the laying of water mains. Pipe will arrive this month and all mains should be laid by July. Two alley paving projects are also awaiting water mains. Twenty-nine alley paving jobs, 11 curb and sidewalk jobs, 8 street opening proceedings and one storm drain project are under way. Plans are now being prepared for 18 street and alley paving jobs.

SAN JOSE, Santa Clara Co., Cal.—Council declares intention to improve George St. between 1st and San Pedro; regrading, paved with 3-in. asphaltic concrete base with 1½-in. asphaltic concrete surface, concrete curbs and gutters. Wm. Popp, city engineer.

FRESNO, Fresno, Cal. Cal.—Council declares intention to improve Terrace Ave., between Wilson and Wishon avenues; grading, concrete curbs, gutters, sidewalks; paving with 3½-in. asphaltic concrete base with 1½-in. Warrenite Bith. surface. Improvement Act 1911. Protests Jan. 26. Wm. Stranahan, City Engineer.

EUREKA, Humboldt Co., Cal.—County Clerk Fred M. Kay instructed to call for bids for constructing fence along state highway between Freshwater and lagoon and Orick. A. J. Logan, county surveyor.

CALIFORNIA—State Highway Commission orders survey of highway between Madera and Yosemite Valley, for a section of Coast Boulevard between Redondo and San Pedro and for a proposed highway between Valejo and Sear's Point, a distance of 14 miles.

Bids will be asked by the Commission in the immediate future for grading and graveling a 25 mile section between Trinidad and Orick in Humboldt County. Austin B. Fletcher, State Highway Engineer.

ALBUQUERQUE, New Mexico.—Until 2 P. M., Feb. 9, bids will be received by District Engineer E. S. Wheeler, U. S. Bureau of Good Roads, 218 Luna-Strickler Bldg., Albuquerque, N. M., for constructing Clifton - Springerville, Sections 7-14, national forest road project in Greenlee County, Ariz., involving 154,312 cu. yds. excavation, 5302 lin. ft. culverts; 1271 cu. yds. concrete; one 120-ft. span steel truss bridge (62,500 lbs. steel), 21 M board ft. wooden decking and incidental items.

SANTA ROSA, Sonoma Co., Cal.—County Surveyor R. Press Smith, preparing plans for Pitts Mountain tavern road; estimated cost, $10,000.

PAVING CONTRACT LET

FRESNO, Fresno Co., Cal.—Federal Construction Co., Call Bldg., San Francisco at 26c sq. ft. awarded contract by Southern Pacific to pave in Ventura Ave.

SANTA ROSA, Sonoma Co., Cal.—Clark & Henery Construction Co., Hearst Bldg., San Francisco, at $164,498 submits low bid to supervisors for constructing Healdsburg road; 4 and 5-in. concrete base with 1½-in Warrenite top. Other bidders: California Construction Co., $186,750; A. Teichert & Son, $189,786; Hugh Crummey, $181,143; Federal Construction Co., $174,719. Warren Construction Co., $173,160. F. T. Sales & Co., $183,196.50. Downer & Mero, $190,760. Engineer's estimate $180,000. R. Press Smith, county surveyor.

INGLEWOOD, Los Angeles Co., Cal.—Until 8 P. M., Jan. 23, bids will be received by City Clerk Otto H. Duelke, for improving Larch St. between Commercial and Arbor Vitae Sts. by grading and paving with 3-in. Wilite 20-ft. wide, oiling the shoulders and constructing cement curb and sidewalks. Arthur Cory, city engineer.

OAKLAND, Cal.—City Council rejects bids for constructing sewer in Broadway bet. 2nd and 12th sts. New bids will be asked. Geo. Mattis, city engineer.

PORTLAND, Ore.—Board of Public Works completes plans for sewer in St. Johns District, extending from Buchanan street to the Columbia river slough. Estimated cost, $75,000.

CALIFORNIA—Until Feb. 6, 2 P. M., bids will be received by State Highway Comm. Forum Bldg., Sacramento, for grading 5.7 miles in Mariposa county bet. Sierra National Forest and Bricebburg. **See call for bids under official proposal section in this issue.**

VALLEJO, Solano Co., Cal.—Revised plans have been completed by Engineer C. E. Grunsky, 57 Post St., San Francisco, for construction of works for Gordon Valley Water Project for city of Vallejo. Estimated cost, $500,000. Amended plans call for 7 cu. ft. of water per second and 10,000 acre feet of water per annum for storage. Project includes the construction of a wood stave pipe aqueduct 18 miles long, 26" in diameter; earthen dam with clay puddle core, 80-ft. high, 800-ft. long on top and 200-ft. long on bottom, to have concrete headgate. Laurence Thompson of Vallejo is Resident Engineer for the project.

FRESNO, Fresno Co., Cal.—Until Jan. 19, 3.30 P. M., bids will be received by R. Y. St. George, city clerk, for constructing 6-in. vitrified clay pipe sewer in portion of Adams St. Wm. Stranahan, city engineer.

VENICE, Los Angeles Co., Cal.—Until 8.30 P. M., Jan. 23, bids will be received by City Clerk T. H. Hanna for grading, oiling and graveling Flower Ave. between Seventh Ave. and Lincoln Blvd. and constructing sidewalk and curb and 6-in. vitrified pipe sewers in Rose, Flower and Sunset Sts., 1911 Act.

CULVER CITY, Cal.—Braun, Bryant & Austin, Inc., 1680 Fourth St., Santa Monica, submitted lowest bid for resurfacing Main St., Cardiff Ave., Watseka Ave., Delmas Terrace and portions of Putman Ave. and Ince Blvd., involving 137,000 sq. ft. 2-in. Willite with grading and filling at 16.43c sq. ft. and 1700 ft. curb at 60c ft. Bids taken under advisement.

HEALDSBURG, Sonoma Co., Cal.—Clark and Henery Construction Co., Hearst Bldg., San Francisco, at approximately $164,173 submits low bid to city trustees for paving several streets, involving 24,000 sq. ft. concrete curb; 50,000 sq. ft. concrete gutter, 1,700 ft. corrugated culvert; 480,000 sq. ft. 4 and 5-in. concrete base pavement with 1½-in. Warrenite surface. Chas. E. Sloan Co., Santa Fe Bldg., San Francisco, engineers.

SACRAMENTO, Cal.—Council declares intention to improve alley between J, K, 16th and 17th Sts., 2 concrete catchbasins, reconstructing one concrete manhole, curb wall, 5-in. hydraulic concrete pavement. Albert Givan, city engineer.

OAKLAND, Cal.—Geo. Mattis, city engineer, completes specifications for improving Bayo St., between Vale and Tompkins; involving: 3301 cu. yds. excavation, 3111 lin. ft. of conc. curb, 6917 sq. ft. of conc. gutter; 46,924 sq. ft. oil-macadam pavement, 17,308 sq. ft. cement sidewalk, 59 lin. ft. 8" by 24" corrugated iron and conc. culvert, 62 lin. ft. 2' by 2' concrete culvert; 321 lin. ft. 18" vit. pipe conduit, 2 manholes with inlet tops; 2 cast iron inlets; 2 handholes, 42 cu. ft. end wall.

Specifications also completed for improving portions of Walnut St. between 90th and 96th Aves., involving: 37,793 sq. ft. grading; 1314 lin. ft. conc. curb; 2728 sq. ft. conc. gutter; 18,318 sq. ft. oil-macadam pavement.

GLENDALE, Cal.—Until 6.30 P. M., Jan. 19, bids will be received by City Clerk A. J. Van Wie for the following street work under 1911 Act:

Garfield Ave., involving 907 lin. ft. grading, 37,134 sq. ft. oiling and surfacing, 275 sq. ft. sidewalk, 70 ft. curb, and laying 1020 ft. 4-in. C. I. pipe to be furnished by city.

Elk Ave. between Central and Pacific, involving 1882 lin. ft. grading and 56,653 sq. ft. oiling and surfacing. C. L. Hill, city engineer.

SANTA ROSA, Sonoma Co., Cal.—Until Feb. 15, 12 M., bids will be received by W. W. Felt, Jr., county clerk for constructing Sec. A, Pocket Canyon road 5th Road Dist., a distance of 3 miles; involving 16,000 cu. yds. excavation, 12,750 cu. yds. gravel; 600 ft. corrugated metal pipe and 24 cu. yds. class A concrete. Estimated cost, $19,600. R. Press Smith, county surveyor.

STOCKTON, San Joaquin Co., Cal.—County Surveyor F. E. Quail preparing specification for grading and graveling 6 miles of Gawne road. Bids will be asked in July.

SAN FRANCISCO—Until Jan. 18, 3 P. M., bids will be received by Board of Public Works for improving 25th Ave., between Irving and Judah, involving, 900 cu. yds. cut, 1200 lin. ft. concrete curbs; 1050 sq. ft. artificial stone sidewalks; 24,000 sq. ft. asphaltic concrete pavement.

SANTA MONICA, Cal.—Joe Chutuk, 426 Bullard Bldg., Los Angeles, submitted the lowest bid Jan. 11, at $24,418.90, for constructing a cement pipe sanitary sewer in 26th St. between Colorado Ave. and Wilshire Blvd. and in a large number of other streets and alleys, involving 2766 ft. 10-in., 16,126 ft. 8-in. and 1523 ft. 6-in. pipe. Bids referred to commissioner of public works. John A. Morton, city engineer. Other bids were: Claude Fisher, Phoenix, Ariz. $26,700; Kneen Paving Co., Santa Monica, $29,600; Mlazenovich & Gillespie, Los Angeles, $29,965-04; R. N. Nikcevich, Los Angeles, $33,800; John Sutalo, Los Angeles, $24,637; R. A. Wattson, Los Angeles, $35,150, M. Simunovich, Los Angeles, $35,700; D. J. M'Poscvich and S. Krulv, Los Angeles, $35,780; P. S. Tomich, Los Angeles, $36,400; E. A. Irish Los Angeles, $39,784; Nick Chutuk Los Angeles, $39,824; Hooper D. Churchill, $91,250.

SAN DIEGO, Cal.—H. G. Fenton submitted lowest bid at $21,654.76 for improving portions of Myrtle Ave., Herbert, Albert and Richmond St., involving 17,891.7 cu. yds. excavation, 76,127.8 cu. yds. embankment, 15,816.7 sq. ft. walk, 2,022.7 ft. curb. Other bids: Olof Nelson, $26,371.56; Geo. R. Duley $27,993.97; Jon Engebretsen, $29,107.56. Bids taken under advisement.

SAN MATEO, San Mateo Co., Cal.—A. B. Spreckels, Dudleigh Quackenbush, A. K. McCenter, E. J. Emery, et al. propose to reconstruct the old Parkman race track, including the stands, grandstands, fences, etc., with cost approximately $300,000.

PALO ALTO, Santa Clara Co., Cal.—Council declares intention to improve High St. from Channing to Addison Ave., grading, paving with 4-in. concrete where not already done. Act 1911. Protests Feb. 13. J. P. Boybee, Jr., city engineer.

SAN LUIS OBISPO, Cal.—Claudius & Hauser, 306 Call Bldg., San Francisco, at 80c cu. yd. awarded contract by S. L. O. Exposition Park, Inc., to construct one mile circular dirt auto race track involving approximately: 16,000 cu. yds. excavation including burrow. Other bids: Sandercock Transfer Co., San Luis Obispo, 85c cu. yd.; Ira Hodson, San Luis Obispo, $1 cu. yd. Warren Burch, Lowe Bldg., San Luis Obispo, engineer.

STOCKTON, San Joaquin Co., Cal.—City Council declares intention to improve streets in Sweitzer addition, involving: 3106 cu. yds. cut; 486 cu. yds. fill; 3473 lin. ft. combined concrete curb and gutter; 16,168 sq. ft. sidewalks; 53,368.89 sq. ft. 4-in. cement gravel base with 2-in. asphaltic macadam wearing surface; estimated cost $17,850. W. B. Hogan, city engineer.

RENO, Nevada.—State Highway Engineer George W. Borden advises Washoe County Commissioners that the State will expend $347,243 on Washoe County highways during the present year. This includes the amount allotted to the State by the Federal Government.

CALIFORNIA—Following are approximate quantities for grading 16.8 miles in Santa Clara county between San Felipe and East boundary; bids for which will be opened by State Highway Commission, Jan. 30th:

Item (1) 182,000 cu. yds. excavation without classification; (2) 26,000 cu. yds. gravel surface; (3) 1,300 cu. yds. class A Portland cement concrete (culverts and monuments); (4) 250 cu. yds. class C concrete (retaining walls); (5) 2,120 lin. ft. 12", (6) 816 lin. ft. 15", (7) 840 lin. ft. 18" and (8) 498 lin. ft. 24" corrugated metal pipe; (9) 423 monuments. Alternative Items, (10) 2,120 lin. ft. 12", (11) 816 lin. ft. 15", (12) 840 lin. ft. 18", and (13) 498 lin. ft. 24" concrete pipe.

NOTE—Alternative Items 10, 11, 12 and 13, together, are to be considered as alternative for Items 5, 6, 7 and 8, and may be employed in lieu thereof if the Commission shall so elect.

Commission will furnish reinforcing steel, corrugated metal pipe, reinforced concrete pipe and cement.

SANTA ROSA, Sonoma Co., Cal.—In our reports of Jan. 11, it was reported bids for constructing Pocket Canyon road would be opened Jan. 15. Report should have read: February 15.

NAPA, Napa Co., Cal.—County Surveyor Edw. P. Ball completes survey for paving Browns Valley road from Napa city limits west a distance of 3 miles to Hobson's corner.

SAN RAFAEL, Marin Co., Cal.—City Council orders plans prepared for paving street in the business district. The survey is now available for the work. Richmondite or similar pavement will be specified.

BUSINESS OPPORTUNITIES

Dan Meyers, Box 161, Sonora, is in the market for furniture for a 50-room workingmen's hotel.

J. Alexander, Hotel Crockett, Crockett, is seeking a market for scrap tin.

N. H. Nelson, Willmar, Minn., would like to arrange to have the Lion truck assembled or manufactured in this city.

C. K. Haughman, 1016 Mariposa St., Denver, Colo., wishes to secure accounts to represent San Francisco manufacturers in that market.

OFFICIAL PROPOSALS

(Continued from Page 16)

BIDS WANTED FOR METAL EXTENSION TO CHIMNEY

NOTICE TO CONTRACTORS

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, San Francisco, Calif., January 11, 1922. SEALED PROPOSALS, in duplicate, for making metal extension to brick chimney at heating plant, Crissy Field, will be received here until 11 A. M., January 17, 1922, and then opened. Further information on application.

BIDS WANTED FOR HIGH SCHOOL

NOTICE TO CONTRACTORS

Pursuant to an order of the Board of Education of the Porterville Union School District, duly passed and entered in its minutes of January 4th, Nineteen Hundred Twenty-two, notice is hereby given that said board will receive sealed proposals for the following branches of work:

1 Carpentry.
2 Concrete—cement.
3 Reinforcing Steel and Iron Work.
4 Brick Work.
5 Lathing and Plastering and Modeling.
6 Mill Work.
7 Roofing.
8 Glazing.
9 Electric Wiring and Telephones.
10 Clock equipment.
11 Plumbing.
12 Pumping Plant.
13 Finished Hardware.
14 Black Boards.
15 Linoleum.
16 Heating and Ventilating.
17 Sheet Metal Work.
18 Painting.

Plans and specifications are on file with secretary of said Board. Copies may be obtained at the offices of Coates & Traver, Architects, 626 Rowell Bldg., Fresno, California.

All bids must be in the hands of C. O. Premo, secretary of the Board of Education, at the High School Building, Porterville, California, before 7.30 P. M., February 1st, 1922.

Bidders may figure on any one segregation of the work or any combined group of segregations.

A certified check or bidder's bond equal to 10% of the amount of the bid submitted, must accompany the proposal.

The board reserves the right to reject any or all bids.

All bids must be sealed and name of bidder and branch of work must be marked on outside of envelope.

BOARD OF EDUCATION.
Porterville Union High School District.
C. O. Premo, secretary.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENTS

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on January 30, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Santa Clara County, between San Felipe and Easterly Boundary (IV-SCI-32-B & C), about sixteen and eight-tenths (16.8) miles in length, to be graded.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN E. GALVIN,
Secretary.

Dated January 3, 1922.

NOTICE TO CONTRACTORS

KLAMATH RIVER ROAD—TEE BAR SECTION

(15 miles above Somes Bar, Cal.)

SEALED PROPOSALS for constructing the above-named section of the National Forest Road Project located within the Klamath National Forest, County of Siskiyou, State of California, will be received by the District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, at 881 Mills Building, San Francisco, California, until 2 o'clock P. M., on the 24th day of January, 1922, at which time and place they will be publicly opened and read. The right is reserved to reject any and all bids, and none will be considered except those from contractors ascertained to be experienced and responsible.

The length of the project to be constructed is approximately 3.4 miles and the principal items of work are approximately as follows:

Clearing .....145 sta.
Excavation unclassified.40,000 cu. yds.
Log cribbing .....2,640 sq. ft.
Timber bridging .....335 lin. ft.
Corrugated metal pipe culverts .....1,622 lin. ft.

The work embraced in this contract shall be started within ten days after notice of signing of contract by the Secretary of Agriculture has been given the contractor by the District Engineer, and shall be completed within 75 weather-working days after said notice has been given.

The contract form and the maps, plans, specifications, and estimate of quantities may be examined by resonsible contractors at the following addresses:

881 Mills Building, San Francisco, California. After Dec. 25, 1921, Guy McMurtry, Somes Bar, California. After Jan. 1, 1922, J. E. Jensen, Happy Camp, California.

The Bureau of Public Roads will, if desired, furnish the successful bidder for use in constructing this road, 2-ton trucks, freshocs, an air compressor, and other available equipment at the prices an on the terms set forth in the Special Provisions of the Specifications.

All proposals must be made on forms furnished by the District Engineer, Bureau of Public Roads, and in accordance with the instructions forming a part of the Specifications above referred to.

C. H. SWEETSER,
District Engineer.

December 20, 1921.

BIDS WANTED FOR BRIDGE

NOTICE TO CONTRACTORS

SEALED PROPOSALS for constructing the Klamath River Bridge, on the Klamath River National Forest Road Project, located within the Klamath National Forest, State of California, County of Siskiyou, will be received by the District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, at 881 Mills Building, San Francisco, until 2.00 o'clock P. M., on the 24th day of January, 1922, at which time and place they will be publicly opened and read. The right is reserved to reject any and all bids, and none will be considered except those from contractors ascertained to be experienced and responsible.

The location of the bridge is approximately 23 miles south of Happy Camp, and 98 miles from Hornbrook, California. The bridge consists of a 310-foot steel span with plank floor. Abutments are of concrete.

The principal items of work are 245 tons of structural steel, 102 cu. yds. class A concrete, and 39 M. B. M. of lumber.

The work embraced in this contract shall be completed by September 15, 1922.

The contract form and the maps, plans, specifications, and the estimates of quantities may be examined by responsible contractors at the following addresses:

881 Mills Building, San Francisco, and Forest Supervisor, Yreka, California.

All proposals must be made on forms, and in accordance with instructions forming a part of the specifications above referred to, and must be accompanied by a proposal guarantee in an amount at least equal to five (5) per cent of the total amount of the proposal.

C. H. SWEETSER,
District Engineer.

CEMENT RATES LOWERED

The Interstate Commerce Commission has ordered lower freight rates on cement shipped from Colton, Orogrande and Victorville, Cal., to Arizona points. The Chamber of Commerce of Phoenix and other Arizona organizations complained that present rates are unfair and prejudicial

DAILY PACIFIC BUILDER

The only daily newspaper in the West whose columns are devoted exclusively to Building News. Covers San Francisco and Bay Counties. $1.25 per month, payable in advance. Send for sample copy.

560 MISSION STREET SAN FRANCISCO, CAL.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
45	Morse	Hamill	500
46	Union Oil	Owner	1250
47	Hirsch	Moller	9000
48	Bjors	Owner	7000
49	Same	Same	12000
50	Dodd	Merritt	950
51	Breen	Hanson	1000
52	Woolworth	Macdonald	12500
53	Goldstein	Eureka	2800
54	Same	Brutcher	4889
55	Same	Sartorio	5203
56	Same	O'Connor	2643
57	Same	Soule	940
58	Same	Forster	885
59	Same	Decker	770
60	Same	Alta	202
61	Same	Wagner	220
62	Same	Morrison	180
63	Same	Pac Bldrs.	3[illegible]
64	Same	Ginsberg	383
65	Mission Terr	Olsen	3151
66	McEnerey	Scully	4000
67	Anderson	Owner	8000
68	Remensperger	Hayes	700
69	Henderson	Lindberg	5550
70	Newman	Greene	544
71	Butler	Coburn	1000
72	Shuck	Ross	800
73	Spiro	Peterson	1000
74	Hanson	Owner	4000
75	Saplis	Leonard	10000
76	Crane	Reedy	3750
77	Oseti	Fioro	700
78	Barbaria	Hart	4692
79	Easdale	Stevenson	3000
80	Janssen	Owner	3950
81	Biancalani	Moller	900
82	Rosenthal	Jacobson	4500
83	Barnum	Owner	12000
84	Bauer	Merritt	3000
85	Lieberman	Schwartz	15000
86	Collins	Allen	10000
87	Schaefer	Bos	7500
88	Ghon	Heaphy	900
89	Eisner	Owner	500
90	Paulson	Heyer	50000
91	Imperial	Brumfield	900
92	Barbaria	Owner	6000
93	Willmans	Fennell	990
94	Barrett	Owner	5000
95	McLee	Albertsen	500
96	DeRyana	Republic	6000
97	Meyer	Meyer	9000
98	Sullivan	Moller	3000
99	Abrams	Frank	800
100	Western	Owner	5500
101	Larson	Thulin	900
102	Lacey	Owner	20000
103	Dixon	Owner	1000
104	Lindeman	Lindeman	1250
105	Hirsch	Moller	10111
106	Morcin	Owner	3000
107	Blanchard	Pierson	1100
108	Levy	Barrett	500
109	Helgesen	Matthies	911
110	Fennone	Matthies	911
111	Crowley	Meyer	3600
112	Lafette	Meyer	8000
113	Moorer	Gott	900
114	Ouisett	Coburn	672
115	Squaglia	Owner	700
116	Levin	Levin	90[illegible]
117	McAl[illegible]	Owner	6[illegible]
118	Kane	Bieri	8630
119	Jr. Orpheum	AmMbl	6591
120	Sipe	Phillips	2291
121	Cal Pack'g	Owner	7000
122	Miller	Owner	7000
123	Backman	Backman	400[illegible]
124	Shurman	Owner	1860
125	Thomas	Berge	7500
126	Rebizzo	Owner	3000
127	Peters	Owner	6000
128	O'Brien	Owner	50000
129	Gilmour	Owner	15000
130	Weber	Owner	3500
131	Larsen	Thulin	900
132	Gianduja	Del Favero	2500
133	Mauer	Merritt	800
134	Voorhies	Voorhies	20,000

PERMITS

ALTERATIONS

(45) W COMMONWEALTH AVE 200 N Geary. Extend north wall of present building and add billiard room.
Owner—A. K. Morse, 133 Commonwealth Ave., San Francisco.
Architect—None.
Contractor—Thos. Hamill, 6140 Geary St., San Francisco. $500

ALTERATIONS

(46) E ILLINOIS 117.5 S Sixteenth. Build 5-high brick wall 8-in thick for lubricating storage tank.
Owner—Union Oil Co. of California, 247 Mills Bldg., San Francisco.
Plans by Owner.
Day's work. $1250

STORES

(47) W KEARNY 105 N Washington. One-story concrete (2) stores.
Owner—Emil Hirsch, 614 Call Bldg., San Francisco.
Architect—None.
Contractor—Moller & De Luca, 180 Jessie St., San Francisco. $9000

FLATS

(48) E SIXTH AVE 25 N Cabrillo. Two-story and basement frame (2) flats.
Owner—Victor Bjors, 2668 Bryant St., San Francisco.
Plans by Owner.
Day's work. $7000

FRAME FLATS

(49) NE SIXTH AVE & CABRILLO. Two-story and basement frame (4) flats.
Owner—Victor Bjors, 2668 Bryant St., San Francisco.
Plans by Owner.
Day's work. $12,000

MOVE DWELLING

(50) NO. 565 THIRTY-SIXTH AVE Move dwelling to lot line; raise and make additions.
Owner—M. T. Dodd, 565 36th Ave., San Francisco.
Architect—None.
Contractor—G. M. Merritt, 3014 Geary St., San Francisco. $950

ALTERATIONS

(51) NE ELLIS AND POWELL. Alter show windows, T. & G. partitions.
Owner—Breen Bros. Premises
Architect—None.
Contractor—H. J. Hanson, 180 Jessie St., San Francisco $1000

ALTERATIONS

(52) NO 891 MARKET Remodel show windows, install metal lath and plaster suspended ceiling.
Owner—F. W. Woolworth Co., Rialto Bldg., San Francisco
Architect—A. J. McClar[illegible], Rialto Bldg., San Francisco
Contractor — Macdonald & Kahn, 130 Montgomery, St., San Francisco. $12,500

STORE BLDG.

(53) SW BUSH AND STOCKTON W 60 xS 39-6. Excavating and bulkheading for two-story and mezzanine Class C store building.
Owner—Julius Goldstein.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.
Contractor—Eureka Teaming Co., 180 Jessie St., San Francisco.
Filed Jan. 6,' 22. Dated Dec. 27, '21.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $2800
Bond, $1400. Sureties, D. J. Sullivan & A. I. Lobree. Limit, 18 days. Forfeit, $30. Plans and specifications filed.

(54) CARPENTER WORK, ETC., ON above.
Contractor — Brutcher & Serna, 180 Jessie St., San Francisco.
Filed Jan. 6,' 22. Dated Dec. 27, '21.
Roof sheathing on.....$1222
Finish floors laid..... 1222
Completed and accepted..... 1222
Usual 35 days..... 1223
TOTAL COST, $4889
Bond, $2445. Sureties, John E. Beck & Chas. A. Carillon. Limit, 20 days after plaster done. Forfeit, $30. Plans and specifications filed.

(55) CONCRETE WORK ON ABOVE.
Contractor—Chas. Sartorio, 2151 Filbert St., San Francisco.
Filed Jan. 6,' 22. Dated Dec. 27, '21.
To mezzanine floor.....$1300.75
To 2nd floor joists..... 1300.75
Completed and accepted.... 1300.75
Usual 35 days..... 1300.75
TOTAL COST, $5203.00
Bond, $2600. Sureties, C. Brunchera & Stephen I. Guerin. Limit, 75 days. Forfeit, $30. Plans and specifications filed.

(56) LATHING AND PLASTERING ON above.
Contractor—John O'Connor, 180 Jessie St., San Francisco.
Filed Jan. 6, '22. Dated Dec. 27, '21.
Brown coated $991.25
Completed and accepted..... 991.25
Usual 35 days..... 660.25
TOTAL COST, $2643.00
Bond, $1322. Sureties, James A. White and Herbert T. Lynch Limit, 25 days after ready. Forfeit, $30 Plans and specifications filed.

(57) REINFORCED IRON ON ABOVE.
Contractor—Edw. L. Soule Co., Rialto Bldg., San Francisco.
Filed Jan. 6, '22. Dated Dec. 27, '21.
Completed and accepted.....$705
Usual 35 days 235
TOTAL COST, $940
Bond, none Limit, as required Forfeit, $30 Plans and specifications filed

(58) PLUMBING ON ABOVE.
Contractor—Wm. J. Forster Co., 6[illegible] Howard St., San Francisco
Filed Jan. 6, '22 Dated Dec. 27, '21.
Roughed in $331.75
Completed and accepted..... 331.75
Usual 35 days 221.50
TOTAL COST, $885.00
Bond, none Limit, 5 days after painting completed Forfeit, $30 Plans and specifications filed

(59) ELECTRIC WIRING ON ABOVE.
Contractor—Decker Electric Co., 149 New Montgomery St., S. F.
Filed Jan. 6, '22. Dated Dec. 27, '21

Roughed in $288.75
Completed and accepted..... 288.75
Usual 35 days..... 192.50
TOTAL COST $770
Bond, surety, none; limit, 5 days after painting done; forfeit, $30. Plans and specifications filed.

(60) ROOFING AND WATERPROOFing on above.
Contractor—Alta Roofing Co., 3048 16th St., San Francisco.
Filed Jan. 6, '22. Dated Dec. 27, '21
Completed and accepted.....$156
Usual 35 days..... 52
TOTAL COST, $208
Bond, surety, none; limit, as required; forfeit, $30. Plans and specifications filed.

(61) PAINTING ON ABOVE.
Contractor—Fred Wagner, 65 Hoff St., San Francisco.
Filed Jan. 6, '22. Dated Dec. 27, '21
Completed and accepted.....$165
Usual 35 days..... 55
TOTAL COST, $220
Bond, surety, none; forfeit, 10 days after carpenter work done; forfeit, $30; Plans and Specifications filed.

(62) TIN AND GALVANIZED IRON Work on above.
Contractor—Morrison & Co., 769 McAllister St., San Francisco.
Filed Jan. 6, '22. Dated Dec. 27, '21
Completed and accepted.....$187
TOTAL COST, $187
Bond, surety, none; limit, as fast as possible; forfeit, $30. Plans and specifications filed.

(63) FINISHING AND INSTALLING copper molds on above.
Contractor—Pacific Builders' Supply Co., 816 W 11th St., Los Angeles.
Filed Jan. 6, '22. Dated Dec. 27, '21
Completed and accepted.....$281.25
Usual 35 days..... 93.75
TOTAL COST $375
Bond, surety, none; limit, as fast as possible; forfeit, $30. Plans and specifications filed.

(64) TILE WORK ON ABOVE.
Contractor—Ginsberg Tile Co., 1205 Sutter St., San Francisco.
Filed Jan. 6, '22. Dated Dec. 27, '21
Completed and accepted.....287.25
Usual 35 days..... 95.75
TOTAL COST, $383
Bond, surety, none; limit, as fast as possible, forfeit, $30. Plans and specifications filed.

RECORDED

CLUB HOUSE
(65) E CAPISTRANO 280 S San Juan being Lot 12 Blk "L" Mission Terrace. All work except painting, plumbing, electric work and sewer connections for one-story frame club house.
Owner — Mission Terrace Club House Association, 318 Kearny St., S. F.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Olaf Olsen, 366 Granada Ave., San Francisco.
Filed Jan. 6, '22. Dated Dec. 1, '21.
Frame up and enclosed.....$782.75
Brown coated 782.75
Completed and accepted..... 782.75
Usual 35 days..... 782.75
TOTAL COST, $3151.00
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Jan. 5, 1922. No. 40.

REPAIRS
(66) NE BROADWAY AND LAGUNA. General repairs to residence; carpentry, plumbing, plastering, painting, etc.
Owner—Garrett W. McEnerey, Hobart Bldg., San Francisco.
Architect—None.
Contractor—J. E. Scully, Phelan Bldg., San Francisco. $4000

FRAME FLATS
(67) E TWENTY-SECOND AVE 125 S Anza. Two-story and basement frame (2) flats.
Owner—A. V. Anderson, 595 21st Ave., San Francisco.
Architect—None.
Day's work. $8000

RECORDED

GLASS AND GLAZING
(68) NW GEARY AND SECOND AVE. Glass and glazing for one-story brick building.
Owner — Ehrich F. Remensperger, 695 Dolores St., San Francisco.
Architect—T. Paterson Ross, 310 California St., San Francisco.
Contractor—J. P. Hayes & Co.
Filed Jan. 7, '22. Dated Dec. 21, '21.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $700
Bond, none. Limit, 20 days after notification to proceed with work. Forfeit, plans and specifications, none.

DWELLING
(69) NW FLORIDA AND PRECITA Ave. One-story and basement frame dwelling.
Owner—John Henderson, 1769 Howard St., San Francisco.
Architect—E. A. Hermann, 89 Broadway, San Francisco.
Contractor—C. Lindberg, 257 Surrey St., San Francisco. $5550

ADDITION
(70) NO. 1388 FORTY-FIFTH AVE. Add one room to residence.
Owner—Mr. Newman, 2283 Jackson St., San Francisco.
Architect—None.
Contractor—M. E. Greene, 180 Jessie St. San Francisco. $544

ALTERATIONS
(71) NO. 630 GOUGH. Repair floor joists; floor and sidewall, glazing, etc., for store.
Owner—Miss Butler, 818 Eddy St., San Francisco.
Architect—None.
Contractor—Chas. Coburn, 180 Jessie St., San Francisco. $1000

ALTERATIONS
(72) NO. 922 JACKSON. Remove partitions; carpentry work; magnesite flooring for club.
Owner—Hoo Shuck and Wm. M. Young.
Architect—C. J. Rogers, Phelan Bldg., San Francisco.
Contractor—D. W. Ross, 180 Jessie St., San Francisco. $800

ALTERATIONS
(73) NO. 2620 MISSION. Change partitions; plastering, etc., for office.
Owner—S. & M. E. Spiro Co., 301 Market St., San Francisco.
Architect—None.
Contractor—Antone Petersen, 2770 San Bruno Ave., San Francisco. $1000

RESIDENCE
(74) E PLYMOUTH 131 S Wildwood. One-story and basement frame residence.
Owner—Walter E. Hansen, 2235 Market St., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Day's work. $4000

FRAME FLATS
(75) S SEVENTEENTH 80 W Guerrero. Two-story and basement frame (2) flats.
Owner—J. J. Caplis, 527 Chronicle Bldg. San Francisco.
Architect—W. D. Shea, 527 Chronicle Bldg., San Francisco.
Contractor—John J. Leonard, 180 Jessie St., San Francisco. $10,000

FRAME STORES
(76) NO. 3937 TWENTY-FOURTH ST. One-story frame stores.
Owner—Joseph Cane, 1022 23rd St., San Francisco.
Architect—None.
Contractor—Wm. M. Reedy, 267 Ellsworth St., San Francisco. $3750

EXCAVATING, ETC.
(77) NO. 447 UTAH ST. Excavation, grading, cement and carpentry work for private garage.
Owner—Geo. Oseti, Premises.
Architect—None.
Contractor—M. Fioro, 665-A Hampshire St., San Francisco. $700

RECORDED

MILL WORK
(78) NO. 136 MASON. Mill work for a female parlor.
Owner—O. Barbaria and P. Costanza.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Contractor—Hart & Burmeister, 1068 Brannan St., San Francisco.
Filed Jan. 9, '22. Dated Jan. 7, '22.
50% mill work delivered $1561
All mill work delivered..... 1561
Completed and accepted..... 1561
TOTAL COST, $1692
Bond, none. Limit, 27 days. Forfeit, $10. Plans and specifications filed.

RESIDENCE
(79) W NINETEENTH AVE 75 N Ortega N 25xW 107-6. All work for one-story and basement frame residence.
Owner—Edith A. and J. E. Easdales 418 Connecticut St., San Francisco.
Architect—None.
Contractor—L. H. Stevenson, 45 Worth St., San Francisco.
Filed Jan. 9, '22. Dated Jan. 9, '22.
Frame up $750
Brown coated and rough plumbing in 750
Completed and accepted..... 750
Usual 35 days..... 750
TOTAL COST, $3000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(80) S BALBOA 82-6 W 16th Ave. One-story and basement frame dwelling.
Owner—E. A. Janssen, 402 Hearst Bldg., San Francisco.
Architect—Plans by owner.
Days work. $3950

ALTERATIONS
(81) NO. 2 AND 4 BEAVER. Raise present building 2' 6"; concrete floor; install garage doors.
Owner—G. Biancalani, 111 Washington, San Francisco.
Architect—None.
Contractor—Fred Moller, 180 Jessie, San Francisco. $900

DWELLING
(82) S. CABRILLO 57-6 W. 18th Ave. Two-story and basement frame dwelling.
Owner—J. R. Rosenthal, 608 Golden Gate Ave., San Francisco.
Architect—J. C. Jacobson, 112 Tucker Ave., San Francisco.
Contractor—J. C. Jacobson, 112 Tucker Ave., San Francisco. $4500

APARTMENT
(83) E. DOLORES, 26-9 N HIDALGO Terrace. Three-story and basement frame (6) apartments.
Owner—Sarah H. Barnum, 155 Dolores St., San Francisco.
Architect—Edward E. Young, 251 Kearny St., San Francisco.
Days work. $12000

ADDITION
(84) NO. 87 ELGIN PARK. Raise residence and add 2 apartment flats.
Owner—Mattilde Bauer & Bertha McDonald 87 Elgin Park, S. F.

Architect—Geo. M. Merritt, 3014 Geary St., San Francisco.
Contractor — Geo. M. Merritt, 3014 Geary St., San Francisco. $3000

APARTMENTS
(85) SE FIFTH AVE. AND LAKE St. Three-story and basement frame (9) apartments.
Owner—J. J. Lieberman, 107 6th Ave., San Francisco.
Designer — Chas. Schwarz, 1440-A Hyde St., San Francisco.
Contractor — Chas. Schwarz, 1440-A Hyde St., San Francisco. $15000

STORE BUILDING
(86) S GEARY 100-6 E Leavenworth. One-story and basement concrete (2) stores.
Owner—Roy Collins, care Architect.
Architect—Earle B. Bertz, 168 Sutter St., San Francisco.
Contractor—Allen & Co., 168 Sutter St., San Francisco. $10000

RESIDENCE
(87) S GREEN 70 W PIERCE. Two-story and basement frame residence.
Owner—Adam Schaefer, 3252 16th St., San Francisco.
Architect—Fred W. Quandt, 676 Monadnock Bldg., San Francisco.
Contractor—Geo. A. Bos, Hearst Bldg., San Francisco. $7500

ALTERATIONS
(88) SE GRANT AVE. AND PACIFIC. Cut in brick wall for show windows, install iron column and girder, marble work, etc.
Owner—N. Ghon, 1037 Grant Ave., San Francisco.
Architect—None.
Contractor—J. J. Heaphy, 661 Golden Gate Ave., San Francisco. $900

GARAGE
(89) NO. 456 HAYES. One-story frame (private) garage.
Owner—P. Eisner, 456 Hayes St., San Francisco.
Architect—None.
Days work. $500

RESIDENCE
(90) NE JACKSON AND PIERCE. Three-story and basement frame residence.
Owner—Samuel Pauson, Kearny and Sutter Sts., San Francisco.
Architect—Samuel Lightner Hyman, 68 Post St., San Francisco.
Contractor—Charles Heyer, Jr., Mills Bldg., San Francisco. $50000

ALTERATIONS
(91) S MARKET 200 E 7th. Rearrange electric signs on Marquise.
Owner—Imperial Theatre, 1077 Market St., San Francisco.
Architect—None.
Contractor—Brumfield Electric Sign Co., 18 7th St., S. F. $900

ALTERATIONS
(92) NO. 136 MASON. New store front; erect booths, etc.
Owner—P. Barbaria & P. Costanza, care architect.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
All sub-contracts and day work. $6000

CONSTRUCT BAKE OVEN
(93) NO 1130 POLK. Construct bake oven for biscuit plant.
Owner—Andrews—Wilmans, 2152 Broderick St., San Francisco.
Architect—None.
Contractor—M. Fennell, 1130 Polk St., San Francisco. $990

FLATS
(94) W SIXTH AVE. 175 S Anza. Two-story and basement frame (2) flats.
Owner—Jos. Barrett, 494 22nd Ave., San Francisco.
Architect—None.
Days work. $5000

ADDITION
(95) NO. 2592 SUTTER. Two-room addition for dwelling.
Owner—Mrs. McLee, 2779 Bush St., San Francisco.
Architect—R. Albertsen, 610 Claus Spreckels Bldg., San Francisco.
Contractor—Same as architect. $500

FLATS
(96) E TWENTY-FOURTH AVE. 250 S Lake. Two-story and basement frame (2) flats.
Owner—R. DeRyana, 1040 Lake St., San Francisco.
Architect—None.
Contractor—Republic Engineering Co., 1040 Lake St., S. F. $6000

DWELLINGS
(97) W TWENTY-FIFTH AVE. 200, 225 and 250 N Clement. Three 1-story and basement frame dwellings.
Owner—L. H. Meyer, 2628 Post St., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $3000 each

ALTERATIONS
(98) SW BUSH AND POLK. Remove wall; change show windows; tinning; papering; general overhauling for stores.
Owner—Mrs. Rose Sullivan, Care Architect.
Architect—August G. Headman, Call Bldg., San Francisco.
Contractor—Fred Moller. $3000

ADDITION
(99) SW CABRILLO & NINTH AVE. Addition of one-story, private garage in rear.
Owner—L. Abrams, 1040 Folsom St., San Francisco.
Architect— H. E. Harris, 815 Balboa St., San Francisco.
Contractor—Joseph Frank, 811 Balboa St., San Francisco. $800

ALTERATIONS
(100) NO. 1 FOURTEENTH ST. Construct extension to receiving shed 54 feet by 116 feet for cooperage shop.
Owner—Western Cooperage Co., Prem.
Architect—None.
Contract—Not let yet. $5500

ALTERATIONS
(101) NO. 178 GUERRERO. Alterations and additions for casting cement and plaster ornament shop.
Owner—O. F. Larson, Premises.
Architect—None.
Contractor—A. L. Thulin Co., 242 18th Ave., San Francisco. $900

APARTMENTS
(102) N SUTTER 137-6 E Larkin. Four-story and basement reinforced concrete (15) apartments.
Owner—E. V. Lacey and Lula Blum, 180 Jessie St., San Francisco.
Architect—None.
Day's work $20,000

ALTERATIONS
(103) NO 138 TURK. Change store front; overhaul plumbing, cement floor, etc.
Owner—Emma Dixon, 216 Divisadero St., San Francisco.
Architect—None.
Day's work $1000

DWELLING
(104) W TWENTY-SEVENTH AVE 225 N Geary. One-story and basement frame dwelling.
Owner—H. O. Lindeman, 232 Anza St., San Francisco.
Designer—W. R. Lindeman.
Contractor—W. R. Lindeman, 530 Balboa St., San Francisco. $4250

RECORDED

CONCRETE BLDG.
(105) NW WASHINGTON AND Kearny N 105 to pt of beg W 107 xN 29-11. All work for one-story concrete building.
Owner—Emil and Regina Hirsch, 614 Call Bldg., San Francisco.
Architect—R. W. Moller, Call Bldg., San Francisco.
Contractor—Fred Moller & R. De Luca, 186 Jessie St., San Francisco.
Filed Jan. 10, '22. Dated Jan. 6, '22.
1st floor joists set.....$1250
Ceiling joists set and all concrete walls poured 3167
Completed and accepted..... 3168
30 days after..... 2529
TOTAL COST, $10,114
Bond, none. Limit, April 1, 1922. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Jan. 7, 1922 No. 47.

DWELLING
(106) W FLORIDA 296-6 S 26th. One-story and basement frame dwelling
Owner—Phillip Morcia, 1463 Alabama St., San Francisco.
Architect—None.
Day's work. $3000

ALTERATIONS
(107) NO. 17 JORDAN AVE. Build open fireplace; concrete basement; other minor changes to residence.
Owner—P. A. Blanchard, Premises.
Architect—None.
Contractor—Pierson & Lee, 434 Grove St., San Francisco. $1400

ADDITION
(108) NO. 1432 LAKE. Addition for private garage.
Owner—Lawrence L. Levy, 1432 Lake St., San Francisco.
Architect—None.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $500

ALTERATIONS
(109) NO. 127 PARK HILL AVE. Move residence; brick and concrete work, carpentry; electric; plumbing; painting, etc.
Owner—Anton and Christina Helgesen, Premises.
Architect—Lewis M. Gardner, 924 Pine St., San Francisco.
Contractor—Harry C. Matthies & Geo Gale, 180 Jessie St., San Francisco $941

ALTERATIONS
(110) NO. 131 PARK HILL AVE Move residence; brick and concrete work carpentry; plumbing; electric and painting.
Owner—William and Ellen Fennone, Premises.
Architect—Lewis M Gardner, 942 Pine St., San Francisco.
Contractor—Harry C. Matthies & Geo Gale, 180 Jessie St., San Francisco. $941

RESIDENCE
(111) E TWENTY-FOURTH AVE 275 S Clement One-story and basement frame residence
Owner—W. B. Crowley
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $3000

FRAME FLATS
(112) W TENTH AVE 100 S Clement. Two-story and basement frame (2) flats.
Owner — A. G. Lafette, 340 Anza St., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $8000

ALTERATIONS
(113) NO. 2164 FOLSOM. Raise dwelling; concrete work, etc.
Owner—Louis Mooser & Son, 601 First National Bank Bldg., S. F.
Architect—None.
Contractor—Willis L. Gott, 681 3rd Ave San Francisco. $900

ALTERATIONS
(114) NO. 435 FOURTEENTH AVE. Repair sidewalk; reset patent flues; plastering, etc., for residence
Owner—Mrs. Oussett, Premises.
Architect—None.
Contractor—Chas. Coburn, 180 Jessie St., San Francisco. $672

FOUNDATION
(115) NO. 1718 LA SALLE AVE. Concrete foundation; underpining, etc., for residence.
Owner—V. Squaglia, 1831 La Salle Ave., San Francisco.
Architect—None.
Day's work. $700

ALTERATIONS
(116) S McALLISTER 196-3 E Divisadero. Minor changes on interior of apartments.
Owner—Yetta Levin, 1545 McAllister St., San Francisco.
Arcihtect—None.
Contractor—Nathan Levin, 1545 McAllister St., San Franciscofl. $900

ADDITION
(117) NO. 570 WALLER. Addition of porch; kitchen and bath to residence.
Owner—F. McAfee, Premises.
Architect—None.
Day's work. $600

RECORDED

FLATS
(118) S ALVARADO 130 W Castro 25x114. All work except plumbing for two-story frame flats.
Owner—Wm. A. and Rosine M. Kane, 760 Hayes St., San Francisco.
Architect—None.
Contractor—John J. Binet, 68 Ramona St., San Francisco.
Filed Jan. 11, '22. Dated Jan. 10, '22.
Roof on $2157.50
Brown coated 2157.50
Completed 2157.50
Usual 35 days..... 2157.50
TOTAL COST, $8630.00
Bond, none. Limit, 90 days after Jan. 16. Forfeit, none. Plans and specifications filed.
NOTE—Permit also applied for today

TERRAZZO WORK
(119) NW GOLDEN GATE AVE AND Taylor. Terrazzo work for theatre and office building.
Owner—Junior Orpheum of San Francisco by W. S. Dinwiddie, Crocker Bldg., San Francisco.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.
Contractor—American Marble & Mosaic Co., 25 Columbia Square, S. F.
Filed Jan. 11, '22. Dated Dec. 15, '21.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $6591
Bond, $3298.50. Surety, American Indemnity Co. Limit, Mar. 1, 1922. Forfeit, none. Plans and specifications, none.

WOOD WORK
(120) WOOD HAND RAILS. WOOD stairs and wood stair balustrades on above.
Contractor — Frank M. Phillips, 718 Bryant St., San Francisco.
Filed Jan. 11, '22. Dated Dec. 30, '21.
Payments same as above.....
TOTAL COST, $2294
Bond, $1147. Surety, Fidelity & Deposit Co. of Maryland. Limit, Mar. 1, 1922. Forfeit, plans and specifications, none.

DWELLING
W NINETEENTH AVE 75 N Ortega. One-story and basement frame dwelling.
Owner—J. E. Easdale, 357 Texas St., San Francisco.
Architect—None.
Contractor—L. H. Stevenson, 45 Worth St., San Francisco. $3900
NOTE:—Recorded contract reported Jan. 19, 1922, No. 79.

FRAME SHED
(121) NE BAY AND TAYLOR. One-story frame wagon and truck shed.
Owner — California Packing Corporation 101 California St., S. F.
Engineer—Philip Bush, 101 California St., San Francisco.
Day's work. $5000

FRAME FLATS
(122) N HERMAN 152-6 W Fillmore. Two-story and basement frame (4) flats.
Owner—Adolph Miller, 2766 Mission St., San Francisco.
Architect—None.
Day's work. $7000

DWELLINGS
(123) E HAMBURG 50 & 75 N Hearst Ave. Two one-story and basement frame dwellings.
Owner—E. Backman, 537 Chenery St., San Francisco.
Architect—None.
Contractor—Backman Bros., 537 Chenery St., San Francisco. $2000 each

COTTAGE
(124) N SHAFTER 225 E Jennings. One-story and basement frame cottage.
Owner—T. L. Sharman, 1440 Shafter Ave., San Francisco.
Architect—None.
Day's work. $1850

DWELLING
(125) S TERRACE DRIVE 131½ W Santa Clara. Two-story and basement frame dwelling.
Owner—H. N. Thomas, 235 Bartlett St., San Francisco.
Architect—None.
Contractor—Julius Berge, 1234 30th Ave., San Francisco. $7500

ALTERATIONS
(126) NO. 740 TENNESSEE. Alter for paste factory.
Owner—Mose Rebizzo and — Ricci, 414 Broadway, San Francisco.
Architect—None.
Day's work. $3000

DWELLING
(127) E TWELFTH AVE 275 N Cabrillo. Two-story and basement frame dwelling.
Owner—John M. Peters, 1010 Balboa St., San Francisco.
Architect—None.
Day's work. $6000

APARTMENTS
(128) S CLAY 130 E Presidio Ave Three-story and basement frame (12) apartments.
Owner—R. F. O'Brien, Room 912, 110 Sutter St., San Francisco.
Architect—Albert W. Burgren, 110 Sutter St., San Francisco.
Day's work. $50,000

ALTERATIONS
(129) SE TURK AND TAYLOR. Remove columns and replace same with H column and first floor (vacant stores) rearrange.
Owner—Wm. L. Gilmour, 180 Jessie St., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Day's work. $15,000

ADDITION
(130) NO. 732 ANZA ST. Construct addition for four flats.
Owner—A. Weber, 732 Anza St., San Francisco.
Architect—None.
Days work. $3500

STUDIO
(131) NO. 176 GUERRERO. One-story frame stuido.
Owner—O. F. Larson, 178 Guerrero St. San Francisco.
Architect—None.
Contractor—A. L. Thulin Co., 242 18th Ave., San Francisco. $900

ALTERATIONS
(132) NO. 1541 STOCKTON. Re-arrange partitions; erect galvanized iron fire escape; maple floor, etc., for restaurant.
Owner—Gianduja Co., 1549 Stockton St., San Francisco.
Architect—J. A. Porporato, 619 Washington St., San Francisco.
Contractor—Del Favero & Rasori, 180 Jessie St., San Francisco. $2500

GARAGE
(133) NO. 2133 VALLEJO. Erect private garage.
Owner—Gus A. Mauer, Premises.
Architect—Geo. M. Merritt, 3014 Geary St., San Francisco.
Contractor—G. M. Merritt, 3014 Geary St., San Francisco. $800

RECORDED

FRAME BLDGS.
(134) E EIGHTEENTH AVE 28-11 N Clement 50x90. All work for two two-story and basement frame buildings.
Owner—Voorhies Newman Co., 50 Divisadero St., San Francisco.
Architect — Wm. T. Gunnison, 1666 Golden Gate Ave., San Francisco.
Contractor—W. R. Voorhies, 50 Divisadero St., San Francisco.
Filed Jan. 12, '22. Dated Nov. 11, '21.
On completion $20,000
TOTAL COST, $20,000
Bond, none. Limit, 120 days. Forfeit, plans and specifications, none.
NOTE:—Permit reported Oct. 10, 1921, No. 2240

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
Jan. 12, 1922—S CLEMENT 40 E 11th Ave. E 25xS 100. Frances Langguth to Louis Fontanella.....Jan. 5, 1922
Jan. 12, 1922—E TWENTY-NINTH Ave 70 N Anza N 30xE 82-6. Herman and Adeline Shafer to John Little .....Jan. 7, 1922
Dec. 11, 1922—2 LOTS ON W LINE 22nd Ave 100 S Fabrello S 50x120. H. Wissman to Meyer Bros.....Jan. 11, 1922
Dec. 11, 1922—NE SOUTHERN Pacific Co. Bldg Annex A fronting on Spear bet Market and Mission. Southern Pacific Co. to B. A. Troboch.....Dec. 16, 1921
Jan. 9, 1922—E TENTH AVE 200 N Anza 25x120. H O Lindeman to whom it may concern..Jan. 9, 1922

Jan. 9, 1922—W MONTGOMERY 75 N Post W 160xN 100. The First National Bank of San Francisco to Thomas Day Co.....Jan. 9, 1922

Jan. 7, 1922—S CLAY bet. Kearny and Grant Ave. No. 757 and 759 Clay. Charile Moy to John J Leonard.. .....Jan. 5, 1922

Jan. 10, 1922—LOT 23 and E ½ Lot 21 Blk 25. Crocker Amazon Tract. Carl Nyman to whom it may concern.....Jan. 10, 1922

Jan. 10, 1922—W PLYMOUTH AVE 120 N Wildwood Way N 44xW 97 Lot 14 Blk 3136. Westwood Park. Michael C Rauch to whom it may concern.....Jan. 10, 1922

Jan. 10, 1922—S SUTTER 70-6 W Mason W 67 S 127-6 E 20 N 40 E 47 N 87-6. Laurence A Myers to A Knowles.....Jan. 5, 1922

Jan. 9, 1922—W NINTH AVE 275 S Lake S 25xW 120. M. P. Storheim to whom it may concern. Jan. 9, 1922

Jan 9, 1922—W NINTH AVE 250 S Lake S 25xW 120. M. P. Storheim to whom it may concern..Jan. 9, 1922

Jan. 9, 1922—SE CARL & ARGUELLO Blvd 44x70. Alfred C. Hamerton to whom it may concern. Dec. 31, 1921

Jan. 7, 1922—SW MONTGOMERY & Bush W 60xS 68-9. Crocker Estate Co to W D Henderson...Dec. 21, 1921

Jan. 6, 1922—W TWENTY-SECOND Ave 250 S Anza 25x120. L S Hammond to whom it may concren .....Jan. 5, 1922

Jan. 6, 1922—NW CALIFORNIA AND 18th Ave 29 on California by 120. Chas A Johnson to whom it may concern.....Jan. 4, 1922

Jan. 6, 1922—NW FOURTEENTH AV and Fulton W 27-6xN 100. Mary V Laurence to whom it may concern .....Jan. 6, 1922

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

Jan. 12, 1922—N SUTTER 167-3 W Van Ness Ave W 57-6xN 120. Rip Van Winkle Wall Bed Co vs Mendel Weisbleet and Anetta Wise... ..... $1385.50

Jan. 11, 1922—E FORTY-SIXTH AVE 100 S Geary S 50xE 120. Robt. Williams vs. Maragaret McKenzie $350

Jan. 10, 1922—N SUTTER 167-3 W Van Ness Ave W 57-6xN 120. Joseph Beck vs Mendel Weisbleet. $827.65

Jan. 9, 1922—SE HELENA VISTA AVE 30-8½ NE Park Hill Ave NE 36-2½ S 10-3⅛ W 32-6 N 91-2⅞. J E Higgins Lumber Co vs Jennie Callahan. Wm O Snell Gas San Francisco Hardwood Floor Co).$59 60

Jan. 9 1922—S LAKE 82-6 E 12th Ave E 25 S 100. J E Higgins Lumber Co vs Thos J Blight Jr. Wm O Snell Gas San Francisco Hardwood Floor Co) $38 05

Jan. 7, 1922—E VICTORIA 290 S Halloway S 25xE 100. Chas Godin vs Frank Kockl and Frank Saari $132 80

Jan 7, 1922—NW LAKE & NINTH Ave W [illegible] N 72. P A Bigotta vs Elizabeth Julius $1100

Jan 6 1922—N ANZA bet W 16th Ave W 50 N 100. L S Mallock vs Maurice and Bella Aron [illegible]

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount

Jan. 12, 1922—NW LAKE & NINTH Ave. W 30x N 72. P. A Bigotta vs Elizabeth Jullus $87.35

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
55	Koerber	Almquist	3477
56	Pallen	Owner	3700
57	Still	Marquis	5750
58	Rose	Birmingham	2800
59	Consley	Reinertsen	5000
60	Price	Owner	3000
61	Link	Mason	3000
62	Dicker	Kearney	450
63	Palmer	Rider	2200
64	Mosier	Owner	400
65	Minney	Owner	1900
66	Arena	Bua	500
67	Bislik	Owner	600
68	Mueller	Snider	530
69	Fry	Owner	750
70	Williams	Williams	500
71	Roberts	Benson	2500
72	Adams	Flittner	3000
73	Nunemacher	Owner	3000
74	Same	Same	6000
75	Same	Same	3000
76	Davis	Barr	200
77	Goolink	Owner	750
78	Oakland	Barnes	7818
79	Whalen	Owner	7000
80	Nunemacher	Owner	5000
81	Silver	Schneider	3500
82	MacGregor	MacGregor	3500
83	Werner	Owner	2000
84	Magoon	Malley	4000
85	Morgensen	Owner	3000
86	Deplogle	Sommarstrom	600
87	McCord	Owner	2400
88	McCord	Owner	2400
89	Hillen	Owner	4750
90	Digemess	Owner	2500
91	Stenbro	Stenbro	3500
92	Davis	Owner	4150
93	Odell	Pearson	2787
94	Condit	Owner	3500
95	Edlund	Owner	2500
96	Van Hannon	Rose	700
97	P. G. & E.	Cahill	65000
98	Silva	Schneider	3500
99	Carkner	Owner	[illegible]
100	Miller	Sylvester	[illegible]
101	Anderson	Wilson	2000
102	Watson	McOscar	2500
103	Leon	Omo	400
104	Pollard	Owner	5300
105	Swanson	Nelson	4200
106	Fabing	Owner	4000
107	Sparks	Yerrick	6150
108	Bannon	Dolan	30[illegible]
109	Dewling	Owner	4500
110	Graham	Dolan	[illegible]
111	Leckell	Owner	[illegible]
112	James	Owner	405
113	Noble	Noble	[illegible]
114	Van Loan	Jones	[illegible]
115	Cunningham	Fenelly	27[illegible]
116	Haskell	Haskell	[illegible]
117	Wiel	MacDonald	[illegible]
118	Whitney	Knight	[illegible]
119	Moller	[illegible]	[illegible]
120	Hetter	Graff	[illegible]
121	West End	[illegible]	[illegible]
122	Webster	Cowell	[illegible]
123	Parsons	Hendrickson	3000
124	Sommarstrom	Sommarstrom	2000
125	Gannon	Burrows	3500
126	Farren	Owner	2000
127	Eaton	Casha	9000
128	Meader	Owner	2000
129	Stoner	Clarke	4000
130	Phillips	Wessel	500
131	Davis	Owner	2000
132	Mackinnon	Owner	[illegible]
133	Parker	Owner	[illegible]
134	Anderson	Owner	1950
[illegible]	[illegible]	[illegible]	[illegible]
136	Hemenway	Owner	[illegible]
137	Scarpella	[illegible]	[illegible]
138	Christensen	[illegible]	[illegible]
139	Bissinger	Skaggs	[illegible]
140	Frey	Owner	[illegible]
141	Dine	Spindle	[illegible]
142	Michael	Littlefield	[illegible]
143	Fuller	MacDonald	[illegible]
144	Rogers	Owner	[illegible]
145	Raffetto	Owner	[illegible]
146	Thomas	Jones	500
147	Post	Kennedy	500
148	Finney	Owner	400
149	Dwell	Jepsen	705

PERMITS

STORES

(55) S ASHBY 90 E Benvenue St. Berkeley. One-story 4-room stores
Owner—Fred C. Koerber.
Architect—None.
Contractor—John Almquist, 5356 Trask St., Oakland. $3477

DWELLING

(56) NO. 930 Alameda St., Berkeley. One-story 6-room dwelling.
Owner—A. H. Pallen, 686 6th St., Oakland.
Architect—None.
Days work. $3700

DWELLING

(57) W BRIDGE ROAD 200 N Tunnel, Berkeley. Two-story 7-room dwelling.
Owner—A. H. Still, 2045 Shattuck Ave., Berkeley.
Architect—None.
Contractor—P. E. Marquis, 2045 Shattuck Ave., Berkeley. $5750

DWELLING

(58) SE EMERSON AND TREMONT, Berkeley. One-story 6-room dwelling.
Owner—T. P. Rose, 2008 Emerson, Berkeley.
Architect—None.
Contractor—D. Birmingham, 2908 Otis St., Berkeley. $2800

DWELLING

(59) N MADERA 390 W Colusa, Berkeley. One-story 6-room dwelling.
Owner—A. M. Consley, 2410 Blake St., Berkeley.
Architect—None.
Contractor—A. B. Reinertsen, 914 Carmel St., Berkeley. $5000

DWELLING

(60) S TACOMA AVE. 200 N Colusa, Berkeley. One-story 5-room dwelling.
Owner—T. W. Price, 1734 Tacoma Ave, Berkeley.
Architect—None.
Days work. $3000

DWELLING

(61) W WALNUT ST. 400 S Shattuck Ave., Berkeley. One-story 5-room dwelling.
Owner—Frank S. Link.
Architect—None.
Contractor—Mason McDuffie Co., Shattuck and Addison, Berkeley. $3000

Garage

(62) NO. 6156 BENVENUE AVE., Oakland. Garage.
Owner—Mrs. James Dicker.
Architect—None.
Contractor—Thos. Kearney, 2219 McKinley Ave., Berkeley. $450

DWELLING

(63) S DALE PLACE 110 W Minna Ave., Oakland. One-story 5-room dwelling.
Owner—Frank G. and Margaret B. Palmer, 2811 Minna Ave., Oakland.
Architect—None.
Contractor—B. H. Rider, 2803 Minna Ave. Oakland. $2200

DWELLING

(64) FRUITVALE EXTENSION, Oakland. One-story 2-room dwelling.
Owner—Clinton Mosier, Berkeley.
Architect—None.
Day's work. $400

DWELLING

(65) S GRAY 200 N Harrington, Oakland. One-story 4-room dwelling.
Owner—The Minney Co., Syndicate Bldg., Oakland.
Architect—None.
Day's work. $1900

GARAGE
(66) E LAKESHORE AVE 100 S Walla Vista, Oakland. One-story concrete garage.
Owner—D. Arena.
Architect—None.
Contractor—M Bua, Bacon Bldg., Oakland. $500

DWELLING
(67) W MAGEE AVE 190 N Kansas, Oakland. One-story 3-room dwlg.
Owner—Bruno Bislik, 3325 E-8th St., Oakland.
Architect—None.
Day's work. $600

REPAIRS
(68) SE OAKLAND AND SANTA Clara Aves., Oakland. Repairs.
Owner — Mueller-Hogue, 1424 San Pablo St., Oakland.
Architect—None.
Contractor—E. W. Snider, 34 Ellis St., San Francisco. $530

GARAGE
(69) NO. 181 ORANGE ST., Oakland. Garage.
Owner—A. Fry, 201 Orange St., Oakland.
Architect—None.
Days work. $750

GARAGE
(70) NO. 598 SYSCAMORE ST., Oakland. Garage.
Owner—E. E. Williams.
Architect—None.
Contractor—Rex Williams. $500

DWELLING
(71) E TWENTY-SIXTH AVE. 250 N E-24th St., Oakland. One-story 5-room dwelling.
Owner—E. Roberts, 3216 Fruitvale Ave., Oakland.
Architect—None.
Contractor — Martin Benson, 2541 Hearst Ave., Oakland. $2900

DWELLING
(72) S MAIN ST. 175 W Maple Ave., being lot 14 blk. L Map Oakland Highlands, Oakland. One-story 5-room dwelling.
Owner—C. L. and Maude M. Adams, 3118 Maine St., Oakland.
Architect—None.
Contractor—Jos. Flittner, 1700 35th Ave., Oakland.
Filed Jan. 6, '22. Dated Jan. 6, '22
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST $3,000
Bond, surety, none; limit, 60 days after Jan. 9; forfeit, $1 a day. Plans and specifications filed.
NOTE—Permit also applied for today.

DWELLING
NE ELMWOOD AND PIEDMONT AVE, Berkeley. Two-story 7-room dwelling.
Owner—Mrs. Effie Humphrey, 3151 Eton Ave., Berkeley.
Architect—None.
Contractor—John A. Bischoff, 2717 Russell St., Berkeley. $7500
NOTE—Recorded contract reported Jan. 6, 1922, No. 54.

DWELLING
(73) NW FIFTY-THIRD AND SHATtuck Ave., One-story 5-room dwlg.
Owner —A. H. Nunemacher, 540 6th Ave., San Francisco.
Architect—None.
Day's work. $3000

DWELLINGS
(74) W SHATTUCK AVE 109 and 111 N 53rd St., Oakland. Two one-story 5-room dwellings.
Owner —A. H. Nunemacher, 540 6th Ave., San Francisco.
Architect—None.
Day's work. $3000 each

DWELLING
(75) N FIFTY-THIRD 40 W Shattuck Ave., Oakland. One-story 5-room dwelling.
Owner —A. H. Nunemacher, 540 6th Ave., San Francisco.
Architect—None.
Day's work. $3000

ALTERATIONS
(76) NO. 5320 BELVEDERE ST., Oakland. Alterations and additions.
Owner—Mrs. F. M. Davis.
Architect—None.
Contractor—Barr & Son, 52 Vernon St., Oakland. $2000

STATION
(77) SE FIFTY-FIFTH AVE AND Foothill Blvd., Oakland. One-story brick service station.
Owner—Chas. T. Goolink, 5600 Foothill Blvd., Oakland.
Architect—None.
Day's work. $750

SCHOOL
(78) NW FIFTEENTH AND CAMPbell Sts., Oakland. One-story 5-room school.
Owner—City of Oakland.
Architect—None.
Contractor—Barnes & Place, 310 Fairmount Ave., Oakland. $7878

DWELLINGS
(79) E MANILA 60 and 195 N 45th St., Oakland. Two one-story 5-room dwellings.
Owner—Whalen & Carlos, Federal Bldg., Oakland.
Architect—None.
Day's work. $3500 each

DWELLING
(80) W SHATTUCK AVE 76 N 53rd St., Oakland. One-story 5-room dwelling.
Owner —A. H. Nunemacher, 540 6th Ave., San Francisco.
Architect—None.
Day's work. $3000

DWELLING
(81) W THIRTY-THIRD AVE 151 S E-16th St., Oakland. One-story 6-room dwelling.
Owner—Ernest E. Silver, 3416 E-14th St., Oakland.
Architect—None.
Contractor—F. J. Schneider, 3225 Ellis St., Berkeley. $3500

DWELLING
(82) NO. 907 SHATTUCK AVE., Berkeley. One-story 6-room dwlg.
Owner — Florence MacGregor, 6221 Highland Ave., Piedmont.
Architect—None.
Contractor—C. M. MacGregor, 410 13th St., Oakland. $3500

DWELLING
(83) E GRANT ST. 304 S Rose St., Berkeley. One-story 5-room dwlg.
Owner—Chas. A. Werner, 2416 10th St., Berkeley.
Architect—None.
Day's work. $2000

STORES
(84) S BOND ST., 500 W Seminary Ave. One-story stores.
Owner—M. Magoon, Bond and Seminary Sts., Oakland.
Architect—None.
Contractor—H. Malley, 2947 West St., Oakland. $4000

DWELLING
(85) E BROADWAY 275 E Monroe St., Oakland. One-story 4-room dwelling.
Owner—Morgensen Bros., 5664 Broadway St., Oakland.
Architect—None.
Days work. $3000

ALTERATIONS
(86) NO. 1651 BROADWAY ST., Oakland. Altering.
Owner—C. S Replogle, 1538 Broadway St., Oakland.
Architect—None.
Contractor—Alex Sommarstrom, 109 Sunnyside Ave., Oakland $600

DWELLING
(87) NW COLE AND PRINCETON Sts., Oakland. One-story 4-room dwelling.
Owner—T. J. McCord, 4741 E-14th St., Oakland.
Architect—None.
Days work. $2400

DWELLING
(88) W COLE 20 N Princeton St., Oakland. One-story 4-room dwelling.
Owner—T J. McCord, 4741 E-14th St., Oakland.
Architect—None.
Days work. $2400

DWELLING
(89) W FAIRFAX AVE 322 N Ygnacio St., Oakland. One-story 7-room dwelling.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Days work. $4750

DWELLING
(90) W FREMONT 177 N 55th St., Oakland. One-story 5-room dwlg.
Owner—C. Digemess, 1710 E-20th St., Oakland.
Architect—None.
Day's work. $2500

DWELLING
(91) N HOPKINS 40 E Ardley, Oakland. One-story 5-room dwelling.
Owner—Stenbro & Brown.
Architect—None.
Contractor — A. Stenbro, 3342 Laguna Ave., Oakland. $3500

DWELLING
(92) W LINWOOD AVE 55 S Hampel, Oakland. One-story 5-room dwelling and garage.
Owner—Geo. B. Davis, 3283 Hyde St., Oakland.
Architect—None.
Day's work. $4150

DWELLING
(93) E MARKET 61 S Forty-second Oakland. One-story 5-room dwlg.
Owner—Mary C. Odell, 1090 42nd St., Oakland.
Architect—None.
Contractor—G. A. Pearson, El Cerrito, Calif. $2787

DWELLING
(94) W NINETY-NINTH AVE 160 S E-14th, Oakland One-story 7-room dwelling.
Owner—H. S. Condit, 9817 E-14th St., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(95) N PENNIMAN AVE 140 W High, Oakland. One-story 5-room dwlg.
Owner—E. H. Edlund, 4312 Virginia Ave., Oakland.
Architect—None.
Day's work $2500

ALTERATIONS
(96) NO. 1152-54 SEVENTH ST., Oakland. Alterations.
Owner—M Van Hannon.
Architect—None
Contractor—Rose & Mullen, 1928 Grant St., Berkeley. $700

WAREHOUSE
(97) SE SECOND AND WASHINGTON Oakland. Two-story concrete warehouse.
Owner—Pacific Gas & Electric Co., San Francisco.

Architect—Wm. Knowles, Central Bk. Bldg., Oakland.
Contractor—Cahill Vensano Co., 110 Sutter St., San Francisco. $65,000

DWELLING
(98) W THIRTY-THIRD AVE 183 S E-16th, Oakland. One-story 6-room dwelling.
Owner—Ernest E. Silva, 3416 E-14th St, Oakland.
Architect—None.
Contractor—F. J. Shneider, 3225 Ellis St., Berkeley. $3500

PLUMBING
(99) NO. 2706 GROVE ST., Berkeley. New plumbing.
Owner—W. H. Carkner. Premises.
Architect—None.
Day's work $450

ADDITION
(100) No. 1621 HEARST AVE., Berkeley. Addition.
Owner—Miss Mary Miller, Premises.
Architect—None.
Contractor — C. W. Sylvester, 1623 Hearst Ave., Berkeley. $500

DWELLING
(101) N E-THIRTY-NINTH 100 E Fruitvale Ave., Oakland. One-story 3-room dwelling.
Owner—James Anderson.
Architect—None.
Contractor — Alex C. Wieben, 3602 Fruitvale Ave., Oakland. $2600

DWELLING
(102) SE E-SIXTEENTH ST. AND 20th Ave., Oakland. One-story 4-room dwelling.
Owner—Godfrey P. H. Watson.
Architect—None.
Contractor—W. H. McOscar, 3501 E-23rd St., Oakland. $2500

AWNING
(103) SE FOURTH AND FRANKLIN, Oakland. Wooden awning.
Owner—A. Leon Co.
Architect—None.
Contractor—Fred Omo, 2128 11th Ave., Oakland. $400

DWELLING
(104) E HEARN 350 S Chabot Road, Oakland. One-story 5-room dwlg.
Owner—A. J. Pollard, 77 Plaza Drive, Berkeley.
Architect—None.
Day's work. $5000

DWELLING
(105) S JEAN 350 W Grand Ave., Oakland One-story 6-room dwelling
Owner—John Swanson, 6334 Colby St., Oakland
Architect—None.
Contractor—Alfred Nelson, 211 Greenbank Ave., Piedmont. $4200

DWELLING
(106) E KINGSLEY AVE 50 N Hopkins, Oakland One-story 5-room dwelling.
Owner—F. N. Fabing, 1837 5th Ave., Oakland.
Architect—None.
Day's work $4000

DWELLING
(107) W MANDANA BLVD 700 N Paloma Ave., Oakland Two-story 6-room dwelling.
Owner—E. F. and Clara M. Sparks, 427 61st St., Oakland.
Architect—None.
Contractor—A. J. Yerrick, 5255 College Ave., Oakland $6750

DWELLING
(108) E MYRA VISTA AVE 160 N Bonnam Way, Berkeley. One-story 5-room dwelling.
Owner—A. Bannon, Syndicate Bldg., Oakland.
Architect—None.
Contractor—Leo J. Dolan, Syndicate Bldg., Oakland. $3000

DWELLING
(109) E PERKINS 100 S Van Buren Ave., Oakland. One-story 6-room dwelling.
Owner—Geo. F. Dowling, Federal Bldg., Oakland.
Architect—None.
Day's work. $4500

DWELLING
(110) W PALOMA AVE 150 S Calmar Ave., Oakland. One-story 6-room dwelling.
Owner—C. Graham, Syndicate Bldg., Oakland.
Architect—None.
Contractor—Leo J. Dolan, Syndicate Bldg., Oakland. $3500

DWELLING
(111) S PROSPECT AVE 120 E Montclair, Oakland. One-story 3-room dwelling.
Owner—W. O. Lockett, 588 14th St., Oakland.
Architect—None.
Day's work. $1000

ADDITION
(112) 3955 RHODA AVE., Oakland Addition.
Owner—J. P. James, premises.
Architect—None.
Days work. $400

ADDITION.
(113) 1427 THIRTY-FOURTH AVE., Oakland. Addition.
Owner—Mrs. S. Noble.
Architect—None.
Contractor—R. K. Noble, 3060 Kansas St., Oakland. $900

ALTERATIONS
(114) NO. 2520 TELEGRAPH AVE., Oakland. Alterations.
Owner—E. Van Loan, 425 Euclid Ave., Oakland.
Architect—None.
Contractor—Jones & Hamilton, 562 24th St., Oakland. $1000

DWELLING
(115) N VESTA 195 W 57th Ave., Oakland. One-story 4-room dwelling.
Owner—P. D. Cunningham, 2902 E 22nd St., Oakland.
Architect—None.
Contractor—J. D. Fennelly, 2912 E-22nd St., Oakland. $2700

DWELLING
(116) W VAN DYKE AVE. 50 S Brooklyn, Oakland. One-story 6-room dwelling.
Owner—Chas. C. Haskell, 2901 Fruitvale Ave., Oakland.
Architect—None.
Contractor—L. F. Haskell, 161 Santa Clara Ave., Oakland. $6000

STORE BLDG.
(117) SW WEBSTER AND GRAND Ave., Oakland. One-story 6-room frame and concrete stores.
Owner—E. H. Wiel.
Architect—Reed & Corbett, Oakland Bank of Savings Bldg., Oakland.
Contractor—MacDonald & Kahn, 130 Montgomery St., S. F. $25000

RECORDED

DWELLING
(118) PTN LOT 17 BLK B Map Whitney Tract, Berkeley. Two-story duplex dwelling.
Owner—Mrs. Almira N Whitney, Berkeley.
Architect—None.
Contractor—Harry C. Knight, 388 12th St., Oakland.
Filed Jan. 10, '22. Dated Jan 3, '22
Deed of Trust.....$6,500
First Floor Laid..... 1,500
Roof Rafter In Place..... 1,500
TOTAL COST $9,500
Bond, surety, none; limit, 75 days after mud sills laid; forfeit, none. Plans and specifications filed.

DWELLING
(119) DESCRIBED DEED HENRY Rosenfeld and wife to Annie Moller Liber 2999 Deeds Page 125 and Deeds recorded Liber 2996 Deeds Page 174, Piedmont. All work for two-story and basement frame dwelling and garage.
Owner—Annie Moller, Oakland.
Architect—Albert Farr, 68 Post St., San Francisco.
Contractor—Alfred Peterson, 3918 Linwood Ave., Oakland.
Filed Jan. 10, '22. Dated Jan. 9, '22.
1st and 15th of each month.... 75%
Usual 55 days..... 25%
TOTAL COST, $34,667.00
Bond, $17,339. Surety, Globe Indemnity Co. Limit, 145 days. Forfeit, $25. Plans and specifications filed.

DWELLING
N SUNNYHILL ROAD 800 E Hubert Road, Oakland. Two-story 9-room dwelling and garage.
Owner—G. E. Bennett, Oakland.
Architect—Schirmer Bugbee & Co., Thayer Bldg., Oakland.
Contractor—Harry Schwalm, Berkeley. $12,800
NOTE—Recorded contract reported Dec. 31, 1921, No. 4595.

ALTERATIONS
(120) NO. 2046 VINE, Berkeley. Alter into apartments.
Owner—Graff & Hefter, 1240 Milvia St., Berkeley.
Architect—None.
Contractor — J. Graff, 1500 Shattuck Ave., Berkeley. $3500

DWELLINGS
(121) NO. 2001 & 2005 BUENA VISTA Ave., Alameda. Two one-story 4-room dwellings.
Owner—West End Building Assn.
Architect—None.
Contractor— Jensen & Peterson, 3441 Adeline St., Oakland. $2900 and $2850

DWELLING
(122) NO. 3241 GARFIELD AVE., Alameda. One-story 3-room dwlg.
Owner—C. Webster, 3272 Central Ave., Alameda.
Architect—None.
Contractor—Z. T. Cowart, 3275 Central Ave., Alameda. $1855

DWELLING
(123) S FIFTY-SIXTH 350 W Shattuck, Oakland. One-story 5-room dwelling.
Owner—Lee Parsons.
Architect—None.
Contractor—A. Hendrickson, 755 60th St., Oakland. $3000

CARPENTER SHOP
(124) S E-SEVENTH bet. 4th annd 5th Aves., Oakland. One-story Carpenter shop.
Owner—Selma A. Sommarstrom, 1941 24th Ave., Oakland.
Architect—None.
Contractor—Sommarstrom Bros., Co., 306 14th St., Oakland. $2000

DWELLING
(125) FRUITVALE ACRES, Oakland. One and one-half story 6 room dwelling.
Owner—R. N. E. Gannon, 3608 Kingsley St., Oakland.
Architect—None.
Contractor—J. H. Burrows, 873 69th Ave., Oakland $3500

DWELLING
(126) E MOUNTAIN BLVD. 300 S Oakmont Drive, Oakland. One-story 4-room dwelling.
Owner—V. A. Farren, Mountain Blvd., Oakland.
Architect—None.
Days work. $2000

FLATS
(127) W MERRITT AVE. 147 S Cleveland, Oakland. Two-story 12-room flats and garage.
Owner—H. T. Eaton, Oakland.
Architect—L. F. Hyde, Oakland.
Contractor—Theo. C. Casha, 1839 40th Ave., Oakland. $9000

DWELLING
(128) W SEVENTY-SEVENTH AVE. 460 N E-14th St., Oakland. One-story 4-room dwelling.
Owner—C. E. Meader, 433 14th St., Oakland.
Architect—None.
Days work. $2000

DWELLING
(129) SE SEMINARY AND OUTLOOK Aves., Oakland. One-story 6 room dwelling.
Owner—Miss E. R. Stoner, Mills College, Oakland.
Architect—None.
Contractor—Clarke & Allen, 5805 Harmon Ave., Oakland. $4000

ALTERATIONS
(130) NO 1706 SEVENTH, Oakland. Alterations.
Owner—F. Phillips.
Architect—None.
Contractor—Harry Wessel, 794 11th St., Oakland. $500

ALTERATIONS
(131) NO. 490 TWENTY-SEVENTH, Oakland. Alterations.
Owner—Chas. T. Davis, 1158 Francisco St., Berkeley.
Architect—None.
Days work. $2000

DWELLLING
S HAWTHORNE TERRACE 45 W Euclid Ave., Berkeley. Two-story eight-room duplex dwelling.
Owner—Almire N Whitney, 2143 Cedar St., Berkeley.
Architect—Wm. J. Wilkinson, 1st Svgs. Bank Bldg., Oakland.
Contractor—Harry C. Knight, 2265 Powell Blvd., Alameda. $10,000
NOTE:—Recorded contract reported Jan. 11, 1922, No. 118.

DWELLINGS
(132) FAIRVIEW & JEROME AVES., Oakland. Two two-story frame
Owner—Geo. MacKinnon, Easton Bldg., Oakland.
Architect—None.
Day's work. $4995 each

DWELLING
(133) S BEVERLY PLACE 193 W Monterey, Berkeley. One-story 6-room dwelling.
Owner—Brooks Parker, 1535 Beverly Place, Berkeley.
Architect—None.
Day's work $3500

DWELLING
(134) S BANCROFT 80 E Curtis, Berkeley. One-story 5-room dwelling.
Owner—H. A. Anderson, 1909 Market St., Oakland.
Architect—None.
Day's work. $1900

DWELLING
(135) N PARKER 175 W Grant, Berkeley. One-story 5-room dwelling.
Owner—Nels E. Nelsolon, 1729 Parker St., Berkeley.
Architect—None.
Day's work. $3500

DWELLING
(136) E DIVISION 90 S Everett, Oakland. One-story 6-room dwelling
Owner—Edwin A. Hemenway, 390 63rd St., Oakland.
Architect—None.
Day's work. $4000

ALTERATIONS
(137) 461 ELEVENTH ST., Oakland. Alterations.
Owner—O. Scarpulla.
Architect—None.
Contractor—F. T. Kennedy, 434 9th St., Oakland. $1000

DWELLING
(138) N FORTY-SEVENTH 80 W Grove, Oakland. One-story 4-room dwelling.
Owner—J. Clinkenbeard, 2709 Grove St., Oakland.
Architect—None.
Day's work. $2500

DWELLING
(139) S FORTY-SIXTH 290 E Grove, Oakland. One-story 5-room dwlg.
Owner—Louis J. Blandino, 535 45th St., Oakland.
Architect—None.
Contractor—J. H. Skaggs, 536 44th St., Oakland. $3000

DWELLING
(140) N FOOTHILL BLVD. 50 E 77th Ave., Oakland. One-story 4-room dwelling.
Owner—G. G. Frances, 7101 Foothill Blvd., Oakland.
Architect—None.
Contractor — A. E. Orton & Co., 3336 68th Ave., Oakland. $2500

APARTMENTS
(141) E GROVE 50 S 45th, Oakland. Two-story 16-room apartments.
Owner—V. A. Dunn, Pantages Bldg., Oakland.
Architect—None.
Contractor—J. E. Sprague, 351 12th St., Oakland. $9000

GARAGE, ETC.
(142) NO. 3131 GROVE ST., Oakland. Erect garage and repairs.
Owner—J. Michell.
Architect—None.
Contractor—R. W. Littlefield, 357 12th St., Oakland. $800

FOUNDATION
(143) E JACKSON 50 N Eleventh, Oakland. Concrete foundation.
Owner—Fuller & Goepp, 32 Page St., San Francisco.
Architect—None.
Contractor — MacDonald & Kahn, 130 Montgomery St., San Francisco. $3000

DWELLING
(144) N LAKESHORE AVE. next to Portsmouth Walk, Oakland. One-story 6-room dwelling.
Owner — A. A. Rogers, Easton Bldg., Oakland.
Architect—M. I. Diggs, Easton Bldg., Oakland.
Days work. $7500

ALTERATIONS
(145) S SIXTY-FIRST 75 E Vallejo, Oakland. Alterations.
Owner — Ben Raffetto, 1223 61st St., Oakland.
Architect—None.
Days work. $500

SHOP
(146) NO. 2518 TELEGRAPH AVE., Oakland. One-story tile shop.
Owner—Dr. Thomas, Delger Bldg., Oakland.
Architect—None.
Contractor—Jones & Hamilton, 562 24th St., Oakland. $500

ALTERATIONS
(147) NO. 200 TWELFTH, Oakland. Alterations.
Owner—The Post Enquirer.
Architect—None.
Contractor—F. T. Kennedy, 434 9th St., Oakland. $500

ALTERATIONS
(148) NO. 7324 WELD, Oakland. Alterations.
Owner—L. S. Finney, 2010 73rd Ave., Oakland.
Architect—None.
Days work. $400

RECORDED

DWELLING
(149) W SANTA BARBARA ROAD N Indian Rock Ave. being Lot 28 Blk 10, Map Berkeley Heights, Berkeley. Excavation, grading and concrete work for frame dwelling.
Owner—H. D. Dewell, 1416 Milvia St., Berkeley.
Architect—Joseph J. Rankin.
Contractor—Jepsen Bros., Berkeley.
Filed Jan. 12, '22. Dated Jan. 10, '22
Monthly payments 75%
Usual 35 Days.....25%
TOTAL COST $705
Bond, surety, none; limit 15 days; forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted

Jan. 12, 1922—SE WENTWORTH & Fairfax Aves. E 40xS 115, Oakland. Chas. J. L. and Henry C. Koester to whom it may concern..Jan. 7, 1922

Jan. 11, 1922—LOT 14 BLK 13, Map Thousand Oaks, ———. Berkeley Bldg Co to whom it may concern. .....Dec. 13, 1921

Jan. 10, 1922—LOT 23 BLK "B" Map Peralta Heights, Oakland. J E Pitka to whom it may concern... .....Jan. 1, 1922

Jan. 10, 1922—LOT 16 BLK 6, Map Melrose Heights, Oakland. D L Salzman and Ida J Salzman to R C Hillen.....Jan. 7, 1922

Jan. 10, 1922—W SHERMAN 300 S Central Ave., Alameda. Edith S Sandoe to Conner & Conner..... .....Jan. 5, 1922

Jan. 10, 1922—SE FIRST AVE AND E-12th S 90xE 30, Oakland. A E M Frenville to N A Anderson... .....Jan. 10, 1922

Jan. 10, 1922—LOT 33 BLK 2, Thousand Oaks Station Tract, Berkeley. Blance Wehrlie to Wm H Wehrlie ..... Jan. 7, 1922

Jan. 10, 1922—LOTS 19 AND 20 BLK 2116, Map Alder Tract at Temescal Oakland. Evelyn Ellis Smith to J E Sprague.....Jan. 7, 1922

Jan. 9, 1922—LOT 63 AND PTN LOT Amended Map, Alta Piedmont Tct. Piedmont. Frederick C Wells to F L Burnett..... ....Jan. 4, 1922

Jan. 9, 1922—N SEVENTH bet. Willow and Campbell, Oakland. Lekos Bros by James W Plachek to Jepsen Bros.....Jan. 3, 1922

Jan. 9, 1922—N SEVENTH bet. Willow and Campbell, Okd. Lekos Bros by James W Plachek to A J McPhee.....Jan. 3, 1922

Jan. 7, 1922—E 40 LOT 10 BLK "R" Map Central Piedmont Tract No. 4, Piedmont. O F and W Johnson to whom it may concern..Dec. 22, 1921

Jan. 7, 1922—S LINCOLN AVE 75 E St. Charles 25x125, Alameda. John A McKeever to whom it may concern.....Jan. 5, 1922

Jan. 6, 1922—SE SEMINARY AVE 160 SW Scenic Way, SW 40xSE 110, Oakland. Adam B and Hazel Fern Burback to Clarke & Allen .....Jan. 4, 1922

Jan. 6, 1922—SE FIRST AND GROVE Sts. E 100xS 130, Oakland. P. G. & E. Co. to Union Construction Co .....Dec. 29, 1921

Jan. 6, 1922—1733 SEVENTEENTH St., Oakland. Minnia R. Worden to Schnebly & Hostrawser.....Dec. 29, 1921

Jan. 6, 1922—W SEA VIEW AVE S Lincoln. Ave.,. Piedmont. Kaui Andrew by A. Andrew to Walter Sorensen.....Jan. 5, 1922

Jan. 6, 1922—W SEA VIEW AVE S Lincoln Ave., Piedmont. Kaui Andrew by A. Andrew to J. Llewellyn Co.....Jan. 5, 1922

LIENS FILED

ALAMEDA COUNTY

Recorded Amount

Jan. 10, 1922—LOT 29 BLK 17, Map Lakeshore Highlands, Okd. Powell Bros vs Fred N Strang and C Newlander $128.50

Jan. 6, 1922—E MINNA AVE 240 S Tenniman Ave 40x100, Oakland. Howard Nethken vs B Kingzett.....$185.40

Jan. 6, 1922—LOT 29 BLK 17 Map Lakeshore, Highlands, Oakland. L. W. Blake vs. F. N. Strang and Olif and wife Wilhelmina Newlander $200

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount

Jan. 7, 1922—S 37½ LOT 8 BLK 15. Map McGee Tract, Berkeley. Sunset Lumber Co to Simon Rapport et al $77.17

Jan. 6, 1922—NE 37-6 LOT 32 BLK "B" Map Lands Oakland View Homestead Assn., Oakland. California Door Co $165.26; Eureka Mill & Lumber Co, $210.68 to E B Kennedy .....

Notice of Non-Responsibility

ALAMEDA COUNTY

Jan. 12, 1922—PTN LOTS 4 AND 5 Map Lakeshore Highlands, Oakland. Lakeshore Highlands Co...

Jan. 11, 1922—LOTS 6, 7 AND 8 BLK 5, Resbdvn Ptn Hollywood, San Leandro. Breed & Bancroft as to improvements on property.....

HOMESTEADS

ALAMEDA COUNTY

Jan. 12, 1922—S COR TRACT containing 10 acres conveyed by John Frances to Maurice Walsh recorded Liber J. Deeds page 572 NE 1035.54 NW 105.415 Oakland. Montgomery K. Miller.....$9000

Jan. 12, 1922—NE FOREST 200 NW Shafter Ave NW 38.50 NE 100 Oakland. A E. Fulmer $5000

Jan. 12, 1922—SE GRAND AND WELdon Aves S 50 E 90 Oakland. Edna A Cushing (wf Henry D)..$5000

Jan. 12, 1922—SW 50 LOT 4 BLK 18 Map Broadmoor, San Leandro. Bernard Cooper $5000

Jan. 10, 1922—NO 3816 CHABOT DR., Oakland. Cochran McCarron $4000

Jan. 10, 1922—LOTS 6 AND 8 BLK 11, Map Havenscourt, Oakland. Frances M Patten (wf Chas H) $4810

Jan. 9, 1922—S THIRTY-FIRST 142-6 E West E 32-6x2 110, Oakland. Lena Darnhauser (wf Joseph) $500

Jan. 9, 1922—SE HIGH & LIBERTY Ave E 35xS 115, Alameda. Wanda M Benton (wf Thomas H Jr.)..$5000

Jan. 7, 1922—NW HOPKINS 77 SW Carlotta SW 43xNW 124, Berkeley. Walter O and Edna Harriet Young $4000

Jan. 6, 1922—LOT 4 BLK 4, Map Melrose Heights, Oakland. Carrie H Spencer (wf James H).....$5000

Jan. 6, 1922—SE FOOTHILL BLVD and 25th Ave. E 59.3 S 111.05 W 50 N 79, Oakland. Margaret Ericksen (wf Emil).....$3000

BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 and over Reported

FLATS

NO. 1522 THIRTIETH, Sacramento. One-story frame (4) flats.
Owner—Mr. and Mrs. T. K. Dixon, 1530 30th St., Sacramento.
Architect—None.
Contractor—A. W. Norris, People's Bank Bldg., Sacramento. $14,670

DWELLINGS

NO. 857 AND 901 SEVENTH ST., Sacramento. Two one-story 4-room dwellings.
Owner—Paul R. Opdyke.
Architect—None.
Day's work. $2500 each

DWELLING

NO. 4233 T ST., Sacramento. One-story 5-room dwelling.
Owner—Geo. Spillman, 717 8th St., Sacramento.
Architect—None.
Contractor—Kilborn & Egge, 1421 L St., Sacramento. $4000

DWELLING

NO. 4036 EIGHTH, Sacramento. One-story 6-room dwelling.
Owner—J. C. Beswick, 4046 8th St., Sacramento.
Architect—None.
Contractor—John Gordon, 4010 8th St., Sacramento. $3635

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted

Jan. 10, 1922—N 60 FT LOT 8 I J 7th and 8th Sts., Sacramento. Sacramento Chamber of Commerce to whom it may concern. May 31, 1921

Jan. 7, 1922—LOT 3 Price Villa, Sacramento. Paul R Opdyke to whom it may concern.....Dec 31, 1921

Jan. 6, 1922—FILTERATION DIVISION of Public Works Dept., Contract No. 21 on N boundary of said city ¼ ml E of E bank of Sacramento river. City of Sacramento to whom it may concern. Jan. 4, 1922

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LIENS FILED

SACRAMENTO COUNTY.

Recorded Amount

Jan. 5, 1922—LOT 842 W. & K. Sub 22, Sacramento. Arthur W Sweet vs E O Butterfield.....$377.81

BUILDING CONTRACTS

FRESNO COUNTY

$5,000 and Over Reported

STORE

NO. 2025 MONO, Fresno. Store.
Owner—Pete Droge, 280 N Van Ness, Fresno.
Architect—None.
Contractor — Jas. McCullough, 3115 Tulare St., Fresno. $5000

COMPLETION NOTICES

FRESNO COUNTY.

Recorded Accepted

Jan. 9, 1922—FRESNO (extension to office, meter and booster building at gas plant). Pacific Gas & Elec Co to whom it may concern.....Dec. 31, 1921

Jan. 6, 1922—LOTS 56 AND 57, Del Mar Tract, Fresno. Geo A Robbins to whom it may concern. Jan. 5, 1922

Jan. 6, 1922—LOTS 8, 9 AND 10, La Salle Tract, Fresno. Teresa Ferrezzeno to whom it may concern.....Dec. 28, 1921

Jan. 6, 1922—GAS WORKS, Fresno. (Steel smoke stack). Pacific Gas & Electric Co to whom it may concern.....Dec. 28, 1921

Jan. 7, 1922—LOT 7 NORTH ELMhurst. H. A. Conyers to whom it may concern.....Jan. 6, 1922

Jan. 5, 1922—LOTS 25 TO 28 BLK 4, Van Ness Heights, Fresno. Myrtle S Price to whom it may concern.....Dec. 31, 1921

Jan. 5, 1922—S 25 FT. LOT 19, all Lot 20 Blk 4, North Park Terrace, Fresno. Carl Gustafson to whom it may concern.....Jan. 4, 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount

Jan. 9, 1922—LOTS 17 AND 18 BLK 55, East Fresno. E A Ozbourn vs E W Morris $500

Jan. 7, 1922—LOTS 1 TO 4 BLK 14, Coalinga. Victor J. Cox vs. W. H. Grant $616.00

Notice of Non-Responsibility

FRESNO COUNTY

Jan 9, 1922—LOTS 26 AND 27 BLK 91, Fresno. James S Moore Sr as to improvements on property.....

Jan. 9, 1922—LOTS 26 AND 27 BLK 91, Fresno. J M Urrutia as to improvements on property.....

Jan. 7, 1922—LOTS 7 AND 8 BLK 72 Fresno. Est. Frank H. Short, John D and James V Short as to improvements on property.....

BUILDING CONTRACTS

SANTA CLARA COUNTY.

$1,000 and over Reported

APARTMENTS

LOT 2 OF THE McCOY ADDITION TO Naglee Park, San Jose. All work for two-story frame apartment building.
Owner—Helen R McCoy, San Jose.
Architect—Binder & Curtis, 255½ S. First St., San Jose.

Contractor—Frank T. Edmans, 143 N. Eighth St., San Jose.
Filed Jan. 5, '22. Dated Jan. 4, '22.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $10,697.50
Bond, $5348.75. Sureties, F. P. Herringer and Joseph H. McElroy. Limit 80 working days from Jan. 5, 1922. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Jan. 6, 1922—GILROY, CAL. W. B. Sanders to C. S. Hohner..Dec. 20, 1921
Jan. 5, 1922—HANCHETT RESIDENCE Park San Jose, Cal. Rose Z Rawlings to William H O'Neil. .....Dec. 29, 1921
Jan. 4, 1922—SAN JOSE, CAL. Anna M. Hostert to J. G. Luebben .....Jan. 2, 1922

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
Jan. 5, 1922—SUNNYVALE, CAL. The Minton Co. vs. Geo. R. Meyer, Harvey R. Fuller and Charles R. Fuller $65.17

RELEASE OF LIENS

SANTA CLARA COUNTY.

Recorded Amount
Jan. 6, 1922—SAN JOSE, CAL. Fred Bowen and C. J. Rouecher to Geo. Ebert, L. B. Ebert and Margaret E. Ebert $289.00

COMPLETION NOTICES

SAN MATEO COUNTY.

Recorded Accepted
Jan. 10, 1922—NTHLY COR AND EL Camino Real 45x100. David Haule to whom it may concern..Jan. 9, 1922
Jan. 9, 1922—LOT 26 BALDWIN AND Howell resub of 167-168 sub 2 and lots 86 to 92 inc sub 1 San Mateo Park, San Mateo. Moody J. Henry to whom it may concern..Jan. 7, 1922
Jan. 6, 1922—HOWARD AVENUE School Building Burlingame, Cal. Burlingame School District by Clerk to Frisk & Swanson, copartners.....Dec. 19, 1921
Jan. 5, 1922—LOT 14 BLK 9, Sub No. 2, Burlingame Park, Burlingame. William B Thompson to whom it may concern.....Jan. 1, 1922
Jan. 5, 1922—LOTS 50 AND 51 BLK 23 Resbdvn Union Park, Colma. Emilio and Vittoria Milaui to Joseph S Fratessa.....Dec. 31, 1921

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
Jan. 7, 1922—N COR LOT 6 BLK 26 Oak Knoll Manor near Redwood City. J W Carpenter vs Gertrude E. Gangle and Anglo California Trust Company $186.97
Jan. 5, 1922—PTN LOT 1 BLK 26, Oak Knoll Manor near Redwood City. P E Brand vs Gertrude E Gough and Anglo California Trust Co..... .....$113.50

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
Jan. 5, 1922—LOTS 10 & 12 BLK 77 W of Center St., Stockton. P. M. Boscacci vs. Mrs. Belle K. Jackson, James A. Kelly, G. Balliet, John Doe, Building & Loan Association, a cptn et at.....$681.50

PORTLAND CEMENT OUTPUT IN NOVEMBER IS LARGE

The production of Portland cement continued on a large scale during November, approximately 3,921,000 barrels of finished cement having been manufactured. This quantity represents a decrease of 1,585,000 barrels as compared with the record production in October, 1921, but is larger than that of any other month of this year up to May and is also 17 per cent greater than the average for November, 1917-1921.

Total production for the eleven months ending November 30, or 91,731,000 barrels and about 99.5 per cent of the record in quantity made during the corresponding period of 1920, and was 11 per cent greater than the average for the first eleven months of the year 1917-1921. Favorable operating conditions are indicated by his large production, the decrease having been largely due to the slowing up of orders during the month.

THOS. HIND, NOTED ENGINEER, DIES IN TEXAS

Thos. Hind, who has been associated with the late Colonel Epes Randolph of Tucson, former president of the Southern Pacific of Mexico and the Arizona Eastern Railway, as construction engineer on several projects fostered by the late railway chief, died in Houston, Texas, January 4.

Mr. Hind was superintendent of construction of new lines of the Southern Pacific of Mexico near Tepic, Sonora, until a short time ago, when he was appointed superintendent of an oil company, of which H. D Ticomb of Tucson, now president of the Southern Pacific of Mexico, is one of the chief executives. He was on his way to Tampico to assume his new duties when he died.

HIGHWAY COMPROMISE OFFERED BY GLENN COUNTY

Glenn County is willing to pay one-half the cost of a bridge across Stony Creek on the Chico-Orland lateral if the State Highway Commission is willing to undertake work on the Willows-Oroville lateral, the Highway Commission was advised at a recent conference with delegates representing the Glenn County Supervisors and the Orland Chamber of Commerce. This proposition is understood to have been made in order to bring the northern and southern portions of the county together on one road program. The delegation was told that no funds were available at this time for either job, but that the program was being outlined and that the commission would be able to give Glenn county an answer within the next 30 days.

CHICO TO VOTE FOR MUNICIPAL WATER SYSTEM

The Chico City Trustees have ordered proceedings started for calling an election to vote bonds of $475,000 for a municipal water system. The election will be held before July 15. It is proposed that $300,000 of the issue be used in the purchase of the plant of the Chico Water Supply Company, a corporation; $40,000 for the purchase of the Chico Vecino Water Company, owned by B. H. Steffen, and $20,000 for the purchase of the C. C. White system in Chapmantown. The remaining $100,000 will finance improvements to the system.

28,135 MILES OF ROAD BUILT WITH FEDERAL AID

Roads built, under construction or under agreement for construction throughout the United States in conjunction with Federal aid funds distributed among the states by the Bureau of Public Roads, United States Department of Agriculture since July 1, 1916, total 28,135 miles, according to a summary by types shows the following mileages:

	Miles
Graded and drained.....	6,854.0
Sand-clay	2,695.5
Gravel	10,043.5
Macadam (water-bound).....	1,290.7
Macadam (bituminous.....	1,323.2
Bituminous concrete	772.5
Concrete	4,653.6
Brick	444.6

Inaddition to the foregoing, bridges with their approaches to the total length of 47.4 miles, were constructed or are now under agreement for construction with Federal aid and state funds combined.

The table shows a large mileage of graded and drained, sand, clay, gravel and macadam roads, while there is less mileage of concrete, bituminous concrete and brick roads. This situation is due to the increased cost of construction for the higher types of roads. The average cost figures per mile of the different grades built during the four-year period, or now provided for, are as follows:

Graded and drained.....	$ 8,115
Sand-clay	8,250
Gravel	10,400
Macadam (water-bound).....	17,320
Macadam (bituminous).....	13,300
Bituminous concrete	30,350
Concrete	30,540
Brick	49,570

The total cost of the $28,135 miles of roadway is $496,151,683.43; the average cost per miles, $17,630. Of the total cost the sum of $211,135,376.31 was made available through Federal aid, the remainder through the states. This at the average rate of $7,500 per mile of Federal aid funds for the total mileage built.

SAN JOSE BUILDERS' EXCHANGE DECLARES OPEN SHOP

The Builders' Exchange of Santa Clara County has voted to put the American Plan into effect here on January 16. The wage scale as adopted in San Francisco will go into effect February 16th.

The following resolution was adopted by the Exchange:

Whereas, The Industrial system known as the American Plan has been adopted in San Francisco, Los Angeles, Oakland, Stockton, Santa Rosa, and in numerous other communities in our state, and has proven uniformly satisfactory, in that it is fair alike to the union and to the non-union employee, and has proven beneficial to the public generally, in that it has improved efficiency and increased production without decreasing wages, and has removed the obstacles that have heretofore arisen in the course of building construction due to certain inflexible union conditions; and

Whereas, This industrial plan is rapidly being adopted throughout the United States, and will inevitably prevail in this city; and

Whereas, Unless we adopt the same, we will be unable to compete with the contractors of other cities, and the cost of construction in San Jose will be in excess of like construction in other cities.

Now, Therefore, Be It Resolved, That the Builders' Exchange of Santa Clara county hereby declares in favor of the adoption of the said American Plan to apply to all building construction in Santa Clara county, beginning the sixteenth day of January, 1922.

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SAN FRANCISCO, CALIF., JANUARY 21, 1922

Published Every Saturday
Twenty-second Year No. 3

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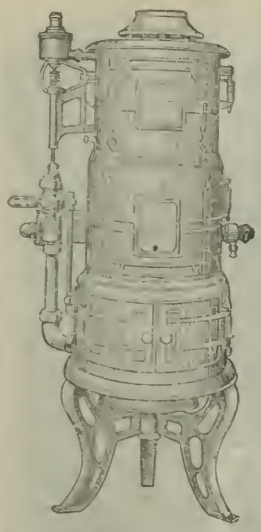

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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CONFERENCE CALLED FOR PROPOSED COLORADO RECLAMATION PROJECT

Secretary of Commerce Hoover has called the first conference of the Colorado River Commissioners, recently appointed by governors of seven states to meet in Washington, January 26-28, for the purpose of outlining plans for a comprehensive development of the greatest reclamation project ever undertaken by any country in the world. It involves ultimate expenditure of $6,000,000,000, development of 6,000,000 electric horsepower, and reclamation and irrigation of 5,000,000 acres of land in seven states bordering on the Colorado river.

The first unit to be built will be the Boulder Canyon dam, 150 miles above Yuma. It will be the highest masonry structure ever built, costing $55,000,000 and developing 600,000 primary horsepower.

Commissioners appointed are State Engineers McClure, California; James G. Scrigham, Nevada; R. E. Caldwell, Utah; Frank E. Emerson, Wyoming; Water Commissioner W. S. Norviel, Arizona; Attorney Delph Carpenter, Colorado, and Stephen B. Davis, Utah.

The names of M. M. O'Shaughnessy, city engineer of San Francisco, builder of the Hetch Hetchy project in the Sierra Nevada mountains; Major-General George Goethals, U. S. A., retired, the builder of the Panama Canal; and of Consulting Engineer J. B. Lippincott of Los Angeles, builder of the Los Angeles aqueduct, are discussed as chief engineers for the proposed Colorado irrigation, reclamation and water project.

WATER-POWER ACT IS PLACED ON BALLOT

California's "Water and Power Act," a proposed constitutional amendment, has been placed on the ballot by initiative petition. Frank C. Jordan, secretary of state, announces that 69,182 initiative signatures have been certified and many additional signatures are still to be recorded.

The act would make state credit available for communities for the development of water and power at cost. It has received the endorsement of the League of California Municipalities, the Federation of American Farmers, the State Federation of Labor, the Farmers' Educational and Co-operative Union, the Public Ownership League, the Southern California Power League and other public bodies.

The executive board heading the campaign issued the following statement, regarding the success of the opening stage of the campaign:

"California's water and power act has been bitterly opposed by intrenched private interests from the day it was first offered the public. All the endorsements so far procured were obtained in the face of this hostility. Similarly, the campaign to procure initiative signatures was opposed and obstructed in every possible way—with the same result. The act is on the ballot, and it was placed there with a large surplus of signatures.

"While clearly recognizing legitimate grounds for differences of opinion on any public issue, it is a simple statement of fact to note that, to date, the opposition to this measure has been led by the special privilege interests and those who have consistently and unfailingly opposed every progressive measure which has ever been advanced in California.

"Hence, the alignment is clear. The issue lies between the unrelenting enemies of California's entire program of progressive legislation of the last 11 years—you will find them all on record against this measure—and those who fought successfully to place California in the forefront of the enlightened commonwealths of the world.

"The battle goes on. California must make good its gain by meeting and solving this great economic problem. It has no coal, its oil supply cannot long care for its needs, millions of potentially fertile acres are suffering for lack of water for irrigation. The water and the power are here and they are ours. Private operation has proven inadequate to the demands of California's growth. The people of California must do the job themselves. California's water and power act offers the one sound, practicable way to do it."

SAN JOSE HOME BUILDING SHOWS INCREASE

San Jose homebuilding has more than doubled during the past year in the number of permits issued over those issued in 1920. Last year 251 permits for homes were issued at a valuation of $698,091 while in 1920 permits for homes numbered 123 at a valuation of $385,745. The total valuation for new work and repair work in 1921, however, was $1,235,349, which is less than the 1920 total of $1,750,016. Permits for new work during the past year numbered 427 as against 360 for 1920. Repair permits in 1921 numbered 340 as against 338 the year before.

AMERICAN PLAN TO BE INSTITUTED AT FRESNO

An organization, known as the Employers' association, has been working out plans to institute the open shop in Fresno since last October and is now completing details, according to an announcement made by F. Dean Prescott, president of the Valley Lumber company of Fresno.

The organization was formed at the Hotel Fresno with a half dozen members present and has since increased its numbers by the addition of numerous local employers, he declared.

While nothing definitive has been accomplished to date and while the arrangements for the starting of the American plan system are still incomplete, Prescott asserted that something definitive would be arrived at "in the near future."

The organization will hold its next meeting during the middle of the coming week when the board of directors will elect permanent officers and committees to work out the plans of the organization will be named, according to Prescott.

"We have been approached by a great number of people who have been quite insistent that an open shop campaign be started. During the interim we have been ascertaining the benefits of such a plan to operate under and in finding out the true sentiment of the merchants, manufacturers, business men and general public of Fresno toward the new idea," said Prescott.

"The organization is open to all citizens in the city who are interested in the upbuilding of Fresno and in the best interests of the city."

Prescott announced that he would not make public the list of directors until after the coming meeting of the organization when the personnel would be given to the press. The purposes of the organization will be made public at that time also, he announced.

Among those who were present at the organization meeting were C. H. Cobb, T. E. Risley, O. L. Everts, Hugo Allardt, Henry Hawson, J. W. Hunt, A. G. Wishon, Frank Helm, Louis Gundelfinger and E. A. Devereux.

SCHOOL CONSTRUCTION IN STATE

California is putting more than $31,000,000 into the construction of public school buildings it was shown today in figures compiled by Job Wood, deputy superintendent of public instruction. The figures show that buildings now under construction will cost $18,871,054 and that other work for which bonds have been voted will cost $12,432,400 more.

Los Angeles county leads the list with $17,500,000 of building in course of construction or authorized. School construction in other counties is given as follows:

Sacramento, $4,264,000; San Francisco $3,250,000; San Diego, $283,500; San Joaquin, $923,000; Santa Barbara, $945,000; Santa Clara, $547,000; Tulare, $814,000; Stanislaus, $241,000; Riverside, $70,000; Fresno, $85,000; Kern, $389,815; San Bernardino, $49,000; Sonoma, $418,500.

Wall paper was first introduced in China.

The Observer

Wharton Clay, Commissioner of the Associated Metal Lath Manufacturers, Chicago, writes "The Observer' as follows:

"Referendum No. 38 of the U. S. Chamber of Commerce on Legislation For Veterans of the World War has been circulated to all members, asking for votes on the questions included.

"Article II calls for a vote in favor or against legislation and appropriations "to enable ex-service men to build homes." There are arguments present against and in favor of this proposition, but they fail to mention the fact that every cent devoted to home ownership will be taxable for the future in every municipality in which such homes are built, and that they will be an effective means of relieving high rents now exacted from all citizens through shortage; that they would insure a larger amount of employment than any other proposition presented; and that they are the most permanent benefit that can accrue to the balance of citizens (other than veterans) who are in this way paying part of their debt to the veterans.

"Without a question, the building interests will be greatly in favor of this part of the bonus legislation, for we realize more pointedly than people in other lines, what little encouragement the construction industry has had. Each member of our industry might therefore most properly take it upon himself to advance a movement in his community to center the attention of the business men of the country on the advantages to the whole nation of liberal arrangements for enabling the veterans to obtain homes.

"We trust that you will develop this idea in your own publication, stressing the point that it is not the building fraternity itself that must be aroused, but those outside the industry who do not understand the handicaps which we have been under.

An organization for the purpose of financing lumbermen and providing an outlet for the timber cut off, a large number of the smaller mills of the Klamath Falls, Ore., district probably will be established by the California-Oregon Lumbermen's Club, which has for its members, owners of twenty-four sawmills. The plan includes the establishment of a selling agency and the financing by credit, agents of warehouse receipts issued against lumber in piles, the paper to be redeemed when the lumber is. It is believed the plan will overcome the difficulties now standing in the way of the smaller mills of the district, and that it will aid materially in increasing the lumber output.

A conference to consolidate the future road and highway plans of the United States Forest Service and the State Highway Commission will be held in San Francisco, February 7th, it is announced by Paul G. Redington, district forester. Representatives of these organizations and the United States Bureau of Public Roads will be present. Redington said that Associate Forester E. A. Sherman and P. W. Norcross, chief engineer of the Forest Service, will come from Washington to attend the meeting.

In the belief that a proposed water and power amendment to the State constitution would take water problems out of the control of the State Railroad Commission and give five men the power to mortgage taxable property in the State for half a billion dollars, and spend the money without a check, members of the Greater California League have launched a fight against the passage of the proposed measure. Among those heading the fight is M. M. O'Shaughnessy, city engineer of San Francisco.

The Tacoma Ice and Refrigerating Co., Tacoma, Wash., will construct a $250,000 cold storage and ice-making plant within the next few months. Cold storage capacity will be 400,000 cu. ft. The ice output will be 100 tons, compared with 60 tons daily by the present plant. Construction of the refrigerating plant will require 200,000 lineal feet, nearly 40 miles, of 1¼-inch piping.

The American Hardwood Manufacturers' Association will ask the Supreme Court for a modification of its recent decision which held that the operation of the statistical bureau of the association is illegal, according to General L. E. Boyle of Washington, chief counsel, in a statement made at Louisville, Kentucky, before a meeting of the executive board of directors of the association.

Moderate priced houses to cost from $1000 to $4200 are being featured in miniature displays at convention headquarters and in the official catalogues of the Northwestern Lumbermen's Association, which opened its 32nd annual meeting in Minneapolis, Jan. 16. Anticipating a building boom the lumbermen have planned a "build homes" compaign.

After a thorough investigation of the market conditions, a committee headed by W. J. Tormey of the Vallejo Chamber of Commerce voted unanimously to reopen the old brick works just north of Bay Terrace. The estimated capacity of the plant will be 1,000,000 common brick and 50,000 paving brick per month.

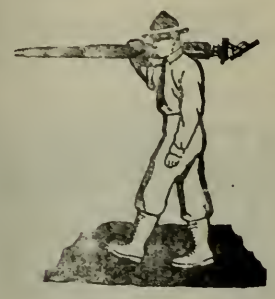
The total expenditure for building throughout the country for the year 1921 was $1,595,165,192, a gain of 14.9 per cent over the record year of 1920, Bradstreet's announced. Reports from 150 cities showed that $120,994,839 had been expended for building in December, a gain of 112.8 per cent over December, 1920.

The Stockton Chamber of Commerce is cooperating with the Architects' Association of that city in an effort to make the 8-day building exhibition, January 21st to 28th, a success. The Chamber has contributed $250 to aid the exhibit.

The Consolidated Plaster Lath and Wall Board Company of Los Angeles, has filed articles of incorporation with $250,000 capital stock, the incorporators being Wm. J. Hunt and Julia Hunt of Glendale, and Jos. H. Feyerelsen of Los Angeles.

W. H. Ruddel, of the West Coast Heating Company, has been elected president of the Seattle Master Plumbers and Heating Engineers Association.

ALONG THE LINE



The Oakland city council proposes to build an industrial boulevard around the estuary. The proposed road would be 14,900 feet long, 80-feet wide, paved with hydraulic concrete and would cost $375,000, according to City Engineer Geo. Mattis. Land acquisitions, etc., would bring the total cost up to $500,000, according to the engineer.

The Board of Supervisors has directed City Engineer M. M. O'Shaughnessy, to prepare estimates of cost for regrading Rincoln Hill. The estimates will be submitted at the regular meeting of the Board on April 24th. Estimates prepared some time ago placed the cost at $4,000,000.

The California Car Co., temporarily located in Richmond, has purchased a site of six acres in Martinez, on which is proposes to erect a car building plant. The first unit of the plant, a shop building, will cost $25,000. New machinery to be installed will cost $15,000.

L. McDonald, engineer with a remarkable war record, has been employed by City Engineer Albert Givan of Sacramento, and will work in various capacities, including street work inspection and possibly filtration plant work. McDonald spent five years overseas in the World War.

During 1921 nearly twice as much concrete highway pavement was constructed as in 1920. Estimates place the construction for 1921 at 558,000,000 square feet. This would surface about six thousand miles of highway 18 feet wide.

Watsonville Lumber Co., Watsonville, will be open for business shortly under the management of Herman Herwig, formerly manager of the San Vicente lumber yard, and more recently of the Hayward yard.

The town of Rio Vista in Solano County plans an extensive street paving program and has commissioned Engineers Chas. E. Sloan Co., of San Francisco, to prepare plans for the work.

H. W. Thomas, secretary of the newly-formed Industrial Association of Bakersfield, declares that 102 employers have signed an agreement to put into effect the American Plan of employment.

Robert W. Thomson, a general contractor, has petitioned the U. S. District Court to adjudge him bankrupt. Thomson acknowledges liabilities of $2,340.67 and says he has assets of only $75.

F. H. Herrick, manager of the glass department of the W. P. Fuller Company has left for the East to visit plate glass mills and study the glass situation in general.

Master Painters Convene at Sacramento

Los Angeles Selected for 1923 Meeting

The State Association of Master Painters held its annual convention at Sacramento, January 13-14, with more than fifty delegates present. The convention was the most successful ever held by the Association. Delegates were present from San Francisco, Los Angeles, Oakland, Stockton, Sacramento, San Mateo, San Jose, Berkeley and San Diego.

President Frank La Torres presided. The convention was full of "pep" and enthusiasm from start to finish. Papers were read by W. Woolley of Burlingame; C. V. Sovig of San Francisco; C. E. Irwin of Berkeley; N. McDonald and M. York of Oakland and W. N. Herman of San Jose.

The Organization Committee submitted a full and encouraging report which was received with favorable comment.

The report of the President and Secretary was read, and indicated the progress of the Association during the past year.

The American Plan was discussed and resolutions adopted favoring its principles.

Discussion on Insurance and Sanitary Methods were also taken up.

Retiring President Frank La Torres and Secretary W. Woolley were presented with a gift of remembrance for the valuable services rendered the Association during the year.

The convention closed with a banquet in the Native Sons Hall at which an interesting entertainment was offered with the Sacramento local as hosts. J. Harry Blamey acted as toastmaster.

A. Labhard, the newly elected president, spoke on his duties and assured the members of a 100% efficiency during his term in office.

Speeches at the banquet were made by H. M. McManus, R. V. Germain, A. D. Sutherland, W. Woolley, L. A. Danner, N. McDonald, C. E. Irwin, M. Neil, J. W. Realy, Geo. Bowen, B. F. Gurnett, Max Cohn, E. E. Simmons, Chas. Sparwasser and Frank La Torres.

Past President Wm. M. Herman of San Jose, installed the following officers:

President, A. Labhard, Sacramento; first vice-president, H. M. McManus, Oakland; second vice-president, R. V. Germain, Los Angeles; secretary, W. Woolley, Burlingame; sergeant-at-arms Herman J. Ash, San Francisco; executive board, A. D. Sutherland, B. F. Gurnett, Geo. Bowen, C. B. Sovig, Peter Pigota, all of San Francisco; John Heritage, Alameda; Chas. Sparwasser, Oakland; Chas. Burr, Berkeley; J. Miles, Los Angeles; R. Postler, San Francisco; E. E. Simmons, Berkeley; Ben Rutgers, Oakland; D. L. Wenseger, Redwood City; B. Gallischoff, San Jose; J. H. Blamy, Sacramento.

On Sunday, January 15th, the delegates, with the Sacramento local as hosts, were treated to a sight-seeing trip throughout Sacramento and vicinity.

PRIZE AWARDED FOR STOCKTON'S MOST BEAUTIFUL HOME

To encourage the building of more beautiful homes in Stockton through the services of Stockton architects, Ray Friedberger, prominent jeweler, has arranged to present a cup to the owner of the most artistic residence built in Stockton each year, beginning with 1922.

Such is the announcement made by Glenn Allen, president of the Stockton Architects' Association. The trophy will be awarded through the organization, which will bring outside architects to Stockton each year to act as judges.

In other words, the owner of what the visiting architects consider the most beautiful home that is completely constructed in Stockton during the present year, early in 1923 will be presented with a handsome silver cup as a token of appreciation of his contribution to the architectural beauty of Stockton and employment of Stockton talent. The cup which will be presented next year will be on display at the architectural and building materials show which will be given at Hotel Clark, beginning January 21st, by the Architects' Association.

Friedbereger is an ardent proponent of home industry and hopes to afford the thought for every prospective home builder that he should engage a Stockton architect to design his home and not to call upon outside talent. He also hopes to enchance the reputation of Stockton as the city of attractive homes.

WHITE BROTHERS CELEBRATE GOLDEN JUBILEE

By C. H. WHITE
General Manager, White Brothers, Hardwood Dealers

It is quite fitting that we should tell our customers and friends something about our Golden Jubilee. San Francisco was only 23 years old when White Brothers started supplying hardwoods to her citizens. Peter and Asa L. White were also young—38 and 30 years respectively.

That was 50 years ago. This year we celebrate our golden jubilee. For half a century we have been bringing from afar the hardwoods needed by the wood users of the Pacific Coast. The little establishment at 108 Market Street, consisting of one gangway running through to California Street has moved through successive stages to 13-15 Main Street, to Howard and Spear Streets, and finally to our present location at the corner of Fifth and Brannan Streets.

Our stock of hardwoods has grown from an extremely unpretentious one in 1872 to be in 1922 the largest West of Chicago. For 50 years we have tried to be as valuable to the wood user as we knew how. We have carried in stock the best hardwoods and the fullest assortment we could procure, we have striven to give full value in our sales, and to live on terms of friendship and mutual helpfulness with our fellow citizens.

In 50 years we have learned many things and the greatest of these is that human kindness and consideration for the other fellow is the main spring of business and of happiness. Look upon your employees and customers and your fellow citizens as your friends to whom you are glad to render a service and the business part will take care of itself.

This is the cornerstone upon which the edifice of White Brothers was erected. The line of straight dealing laid down by the founders is being followed by the younger generation now in charge but still under the direction of one of the original brothers, our president, Mr. Asa L. White.

MILWAUKEE TANK WORKS OPEN LOCAL BRANCH

The Milwaukee Tanks with main offices and factory in Milwaukee has opened a branch factory at Seventh and Bryant streets, under the management of R. W. Johnstone. The branch was opened for the purpose of expediting the shipment of the company's equipment to Pacific Coast states.

The company manufactures a complete lines of gasolines and oil equipment suitable for every purpose, including outfits for the garage and filling station trade, together with factory and dry cleaners' equipment. Gasoline equipment of the company has the National Fire Underwriters' label, assuring a high-class product. Other products of the firm have been on the market for years and have won universal approval.

Branches of the company are also maintained at Boston, New York, Cleveland, Kansas City and Minneapolis.

R. W. Johnstone, in charge of the San Francisco branch, is an experienced oil storage engineer and will be pleased to assist architects and contractors in preparing specifications and costs of materials in his line.

LUMBER REVIVAL STIRS TRADE IN NORTHWEST

Increasing activity in the lumber industry is having a compelling effect on other lines of trade, according to word from Seattle. Wholesale machinery and supply houses are now in the market for iron and steel, wire cable, engines and boilers. The increased requirements of the lumber mills, shingle mills and logging camps have warranted the supply houses in placing definite orders for these materials in larger quantities than at any time in 1921. The increase in payrolls at mill towns and logging camps has stimulated the wholesale grocery trade, although there is considerable price cutting in that line due to keen competition.

ANOTHER IRRIGATION DISTRICT FOR BUTTE COUNTY

Initial steps have been taken towards the organization of a third irrigation district in Butte County, including lands adjacent to Oroville. Plans call for the irrigation of 20,000 acres of rich agricultural land lying in the Thermalito and table mountain district. It is proposed to take over the distributing system of the Pacific Gas & Electric Company, which serves Thermalito, and to build a giant impounding dam at Concow Valley, 30 miles north of Oroville. The project will represent an expenditure of about $1,000,000. Two other irrigation districts, the Oroville-Wyandotte, including 30,000 acres, and the Honcut-Yuba district, including 32,000 acres, have already been formed.

BUILDING BRICK IN SOUTH IS REDUCED TO $12.50

Although the price of common building brick here has been reduced from $18 to $17 per thousand during the past two months, the cost of such building material in New Orleans, La., is down to $12.50.

This is according to newspaper accounts of the reduction in the cost of brick, which went to $25 per thousand a year ago, after which a reduction to $19.50 in March, 1921, was announced and in April another cut to $14. A further cut of sixteen and two-thirds per cent has just been announced.

It is claimed the conditions for manufacturing brick in the Southern States are different, as labor is cheaper and there is all the men available that are needed.—Sacramento Bee.

Building News Section

APARTMENT HOUSES

Plans Completed.
APARTMENTS Cost, $12,000
SAN FRANCISCO. S Clement 107-6 W 21st Ave.
Two-story and basement frame (4) apartments.
Owner—Arthur S. Katz, 857 Page St., San Francisco.
Architect—G. A. Bertz, 261 Valencia St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $12,500
OAKLAND. N 44th St. 380 E Telegraph Ave.
Two-story frame 16-room apartment.
Owner—Theresa Hassler, 1524 Franklin St., Oakland.
Architect—None.
Contractor—California Builders' Co., 1534 Franklin St., Oakland.

To Be Done By Day's Work.
APARTMENTS Cost, $60,000
SAN FRANCISCO. S Bush 137-6 W Mason.
Four-story and basement brick (23) apartments.
Owner—Jas. Welch, 597 20th Ave., San Francisco.
Architect—None.

Segregated Figures Being Taken.
APARTMENTS Cost, $45,000
SAN FRANCISCO. NE Twenty-first St and San Carlos Ave.
Three-story and basement frame and plaster apartments.
Owner—A. W. Condon.
Architect — W. F. Gunnison, 1666 Golden Gate Ave., San Francisco.

Contract Awarded.
APARTMENTS Cost, $58,500
SAN FRANCISCO. S Geary St. 186-7 W Leavenworth St.
Five-story and basement Class C (20) apartments.
Owner—S. Rouda, 40 Powell St., San Francisco.
Architect—Sylvain Schnaittacher, 237 Post St., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.

Contract Awarded.
APARTMENTS $58,500
SAN FRANCISCO. S Geary St. 137 6 W Leavenworth St.
Five-story and basement Class C (20) apartments.
Owner—M. Cohn, 1036 Golden Gate Ave., San Francisco.
Architect—Sylvain Schnaittacher, 237 Post St., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $50,000
SAN FRANCISCO. S Clay 130 E Presidio Ave.
Three-story and basement frame (12) apartments.
Owner—R. F. O'Brien, Room 912, 110 Sutter St., San Francisco.
Architect—A. W. Burgren, 110 Sutter St., San Francisco.

Plans Being Prepared.
ALTERATIONS Cost, $10,000
SAN JOSE. Santa Clara Co., Cal.
Alter two-story frame residence into (3) apartments.
Owner—G. E. Simpson.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.

BANKS

Plans Being Prepared.
ALTERATIONS Cost, $20,000
SAN JOSE, Santa Clara Co., Cal. No. 46 S-First Street.
Alterations to bank (erect mezzanine floor, balcony, rest rooms and safe deposit department).
Owner—Security Savings Bank.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.

Working Drawings Being Prepared.
BANK BLDG. Cost, $——
SACRAMENTO, Cal. SW Sixth and K Streets.
One-story Class A bank building.
Owner—Bank of Italy.
Architects—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
The structure on the site will be torn down.

Sub-Figures To Be Taken Next Week By Owners.
BANK BLDG. Cost, $40,000
SAN FRANCISCO. SW Eighth Ave. and Irving St.
One-story reinforced concrete and brick bank building.
Owner—Bank of Italy (see Mr. Wm. Cuneo).
Architect—W. D. Shea, Chronicle Bldg., San Francisco.

Grading Contract Awarded — Sub-Figures Being Taken By Owner.
BANK BLDG. Cost, $60,000
SAN FRANCISCO. SW Ninth Ave. and Clement St.
One-story reinforced concrete and brick bank building.
Owner—Bank of Italy (See Mr. Wm. Cuneo).
Architect—W. D. Shea, Chronicle Bldg., San Francisco.
The grading has been awarded to Sibley Grading & Teaming Co.

Owners To Take Sub-Figures Next Week.
BANK BLDG. Cost, $40,000
OAKLAND. 56th St. and San Pablo Ave.
One-story reinforced concrete or brick bank building.
Owner—Bank of Italy.
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.
Segregated figures will be taken by the owners—Mr. Wm. Cuneo in charge of letting contract.

Owners To Take Sub-Figures Shortly.
BANK BLDG. Cost, $40,000
SUNNYVALE, Santa Clara Co.
One-story brick and reinforced concrete bank building.
Owner—Bank of Italy. (See Mr. Wm. Cuneo.)
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.

SAN FRANCISCO, Cal.—P. J. Walker Co., Monadnock Bldg., have started the concrete work for the new 7-story class A building for the Federal Reserve Bank. It is being erected on the corner of Battery and Sacramento streets from plans prepared by architect Geo. Wm. Kelham, Sharon Bldg. Materials are bing purchased and sub-figures are being taken on various parts of the work.

Young man seeks financial interest in reliable firm, manufacturing staple line, building material or contracting, capable superintendent or assistant—best of references.
Address Box EG—c/o Building and Engineering News.

BONDS

SACRAMENTO, Cal.—Board of Education proposes to call election in February to vote bonds of $1,150,000 for new school and additions to present buildings. Chairman of the Building Committee, Wm. A. Meyer, urges a $750,000 addition to the high school and $400,000 for elementary school facilities.

PIEDMONT, Alameda Co., Cal.—February 7th is date set to vote bonds of $100,000 for school enlargements. H. W. Jones is superintendent of high school.

NORTH SACRAMENTO, Cal.—Bonds of $60,000 voted in North Sacramento School District to finance construction of a four-room addition to the present school. Plans for the work have been prepared by Architect E. C. Hemmings, Ochsner Bldg., Sacramento.

HUNTINGTON BEACH, Cal. — An election will be held Feb. 24th, to vote on issuing $20,000 bonds to construct a pier at the foot of Main St.

TRACY, San Joaquin Co., Cal.—School trustees set Jan. 23, as date to decide question of issuing bonds of $75,000 to finance construction of new school in West Park and making one-room addition to Naglee Burk School. Wright & Satterlee, Bank of Italy Bldg., Stockton are the architects.

SACRAMENTO, Cal. February 25 is the date set to vote bonds of $1,150,000 to finance school improvements. Eight additions are proposed to the high school costing $750,000.

ORLAND, Glenn Co., Cal.—Bonds of $22,500 have been sold by Orland High School District to finance construction of addition to the high school, housing the domestic science and home arts department, in addition to four classrooms and teachers' rest room. W. H. Weeks, 369 Pine St., San Francisco, is the architect.

MARYSVILLE, Yuba Co., Cal.—Bonds of $50,000 voted to improve Ellis Lake. W. M. Meek, city engineer.

MARYSVILLE, Yuba Co., Cal.—Bonds of $80,000 voted for paving street intersections. City Trustees, agreed should the issue carry, to pave in addition to that provided in the bond issue, 46 blocks of streets under the district plan. W. M. Meek, city engineer.

TAFT, Kern Co., Cal.—Election will be held February 10 in Taft Union High School District to decide question of issuing bonds of $380,000 to finance construction of a gymnasium and additions to present school buildings, domestic science departments, machine shops, etc.

DELANO, Kern Co., Cal.—Bonds of $40,000 have been voted in the Delano School District to finance first unit of grammar school building. Several architects have submitted drawings for the work but as yet no selection has been made.

OLINDA, Shasta Co., Cal.—Happy Valley Irrigation District sells $25,000 worth of bonds to finance improvements, bids for which are now being taken.

FRESNO, Fresno Co., Cal.—An election will be held in the near future in Mendota Irrigation District to finance construction of works from plans of Engineer John D. Galloway, First National Bank Bldg., San Francisco. Project will include the construction of a concrete dam, 30 ft. high, 350 ft. long on top and 250 ft. long on bottom; power canal, 3 miles long, earth and rock excavation, 45 ft. wide; concrete headgate, 60 ft. wide. 10 ft. high; power house, using turbine water wheels an delectric generators; fall 65 ft. Estimated cost, $600,000. A Teilman, Box 1274, Fresno, secretary of district.

FLAGSTAFF, Ariz.—A special election will be held Jan. 24 in Coconino County to vote on issuing $175,000 bonds for road work to be divided as follows: Highway from petrified forest to New Mexico line,, $100,000; St. Johns-Zuni road, $20,000; Eager-Cooley road, $15,000; Adamana-New Mexico road, $15,000; Springerville-Alpine road, $10,000; St. John-Navajo road, $5000; Eager-Vernon road, $5000; Concha-Cooley road, $5000.

UKIAH, Mendocino Co., Cal.—An election will be held March 3rd, in Ukiah School District to decide question of issuing and selling bonds of $80,000 to finance construction of a new school building, plans for which are being prepared by Architect Norman R. Coulton, 46 Kearny St., San Francisco.

BAKERSFIELD, Kern Co., Cal.—City Board of Education proposes to call election to vote bonds to finance construction of new schools and additions to standing structures.

GILROY, Santa Clara Co., Cal.—Chamber of Commerce endorses proposal to call election to bond for $205,000 to purchase sites and erect a grammar school, these costing $150,000 the balance, $55,000 would be used for high school improvements.

LODI, San Joaquin Co., Cal.—Feb. 17 is date set to vote bonds of $250,000 to improve and extend present high school buildings. The Lodi Grammar School District on same date will vote bonds of $90,000 to finance construction of a new school

FORT BRAGG, Mendocino Co., Cal.—Bonds of $80,000 have been sold in the Fort Bragg School District; proceeds of the sale to finance construction of a one-story frame school to contain 18 rooms and an auditorium, plans for which are being prepared by Architects Geo. C. Sellon & Co., Mitau Bldg., Sacramento.

CHURCHES

Plans Being Revised—Figures To Be Taken Next Month.
CHURCH Cost, $60,000
VALLEJO, Solano Co., Cal. NW Carolina and Sonoma Streets.
Brick church.
Owner — First Baptist Church of Vallejo.
Architect—E. C. Hemmings, Oschner Bldg., Sacramento, and W. A. Jones, Vallejo.

Contract Awarded—Grading Started
TABERNACLE Cost, $15,000
WATSONVILLE, Santa Cruz Co., Cal. East Lake Ave. bet. Alexander and Carr Sts.
One-story reinforced concrete Tabernacle, 50x80.
Owner — Bethel Mission Tabernacle, Rev. W. C. Helms, Rector.
Architect—Plans by Rev. W. C. Helms.
Contractor—A. A. Roberts, Watsonville, Cal.
Contract for furnishing lumber has been let to Hammond Lumber Co.

Segregated Figures to be Taken By Owner.
CREMATORY Cost, $—
BERKELEY, Alamda Co., Cal., Sunset View Cemetery.
One-story hollow tile crematory.
Owner—Berkeley Crematory Co., Geo. B. Baxter, Manager, Dalziel Bldg., Oakland
Architect—W. H. Ratcliff Jr., 1st Nat'l. Bank Bldg., Berkeley.

SAN FRANCISCO.—Archbishop Edw. J. Hanna announces plans will be prepared for a large preparatory seminary for the training of priests at Los Altos, Santa Clara County, and for a boys' club house in San Francisco. The projects are yet in a preliminary state and immediate construction is not looked for.

PORTLAND, Ore.—Architects Jacobberger & Smith, Board of Trade Bldg., taking bids for three-story, 162x79-ft. tile and concrete monastery for Sisters of the Precious Blood. Will be erected in East Salmon St. between East 75th and 76th Sts. Estimated cost, $80,000.

FACTORIES & WAREHOUSES

Contract Awarded.
LOFT BLDG. Cost, $23,693
SAN FRANCISCO. S Howard Street Between First and Second Sts.
Four-story reinforced concrete loft building.
Owner—H. Rumpf.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Vukicevich & Bagge, 180 Jessie St., San Francisco.
Other bids received were as follows:

J. A. Bryant	$24,500
Unit Constr. Co.	24,667
Barrett & Hilp	25,388
Fred Hansen	25,500
J. S. Sampson	25,500
Cohn & Nordstrom	25,738

Contract Awarded.
ADDITION Cost, $17,076
SAN FRANCISCO. NE 16th & Church.
Two-story brick addition to factory.
Owner—R. E. Quen, 2212 Sacramento St., San Francisco.
Architect—D. E. Graham, 180 Jessie St., San Francisco.
Contractor—P. J. Lynch and J. A. Bryant, 180 Jessie St., S. F.

Contract Awarded
BATTERY STATION Cost, $7,500
SAN FRANCISCO. SE Seventh Avenue and Geary Street.
One-story frame battery station.
Owner—Exide Battery Co.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—F. L. Harper, 251 Kearny St., San Francisco.

Plans Being Prepared—Grading Contract Awarded.
LOFT BLDG. Cost $—
SAN FRANCISCO. NW First and Howard Sts.
Three-story reinforced concrete store and loft building, 87x200.
Owner—Bothin Estate.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Grading of the lot has been awarded to The Carlin Grading Co., 180 Jessie St.

Contract Awarded.
LOFT BLDG. $54,0—
OAKLAND, Alameda Co. Cal. SW Seventeenth St. and Telegraph Avenue.
Three-story and basement reinforced concrete and brick store and loft building.
Owner—J. R. Cahill and A. E. Sbarboro 110 Sutter St., San Francisco.
Architect—John Powers, 460 Montgomery St., San Francisco.
Contractor—Cahill Bros., 110 Sutter St., San Francsico.
NOTE—Sub-figures to be taken shortly

Plans Being Prepared.
SHEDS, ETC Cost $70,0—
SANTA ROSA, Sonoma Co. Cal. Fourth Street.
Freight sheds, tracks, etc., at railroad yards.
Owner—Northwestern Pacific Railroad Company.
Engineer—M. S. Gilloly, 64 Pine St., San Francisco.

Permit Applied For.
CANNERY Cost, $75,000
OAKLAND. SE 27th Ave. and E-11th St.
Five-story reinforced concrete cannery.
Owner—H. G. Prince Canning Co., premises.
Architect—M. I. Diggs, Easton Bldg., Oakland.

Low Bidder.
DISTRIBUTING PLANT Cost, $2—,0—
PORTLAND, Oregon.
Two-story reinforced concrete distributing plant, 2—x200.
Owner—Gardners' & Ranchers' Assn.
Architects—W. W. Lucius and Earl C. Cash, Lewis Bldg., Portland, Ore.
Contractor—Robt. Paysee, 310 Lewis Bldg., Portland, Ore.

Plans Being Prepared—Contract Let
CLEANING & DYEING PLANT Cost, $20,000.
SACRAMENTO, Cal. K Street Between 16th and 17th Streets.
Two-story brick cleaning and dyeing plant with 2 apartments (6 rooms and 2 bathrooms).
Owner—Mrs. D. A. Mitchell 2622 K St., Sacramento.
Architect—Frederick S. Harrison, Peoples Bank Bldg., Sacramento.
Contractor—A. W. Norris, Peoples Bank Bldg., Sacramento.

Sub-Contracts Awarded.
FACTORY Cost $7—,—
OAKLAND, Alameda Co., Cal. Foot of E-14th St. at City Limits
Two-story reinforced concrete automobile factory with 4 wings (exterior dimensions about 8—x8—)
Owner—Durant Motors Co.
Structural Engineer—H. J. Brunnier, Sharon Bldg., San Francisco
Mechanical Engineers—Hinds & Hudson, Rialto Bldg., San Francisco
Contractor—P. J. Walker Co., Mosacknock Bldg., San Francisco.

Plumbing awarded to Scott Co., at $18,400.
Heating to Mangrum & Otter, Inc., 827 Mission St., San Francisco.

Bids Opened.
STORAGE HOUSE Cost, $55,386
BERKELEY, Alameda Co., Cal. NE Shattuck Avenue and Ward Street.
Four-story Class B reinforced concrete storage house.
Owner—Students' Express & Transfer Company.
Architect—James W. Plachek, 2011 Shattuck Ave., Berkeley.
Low Bidder—Barrett & Hilp, 918 Harrison St., San Francisco.
Other bidders were:
Alfred H. Vogt.....$58,300
H. P. Nelson..... 58,980
Lawton & Vezey..... 61,311

Elevator

Pacific Elevator Co.....$3694
Atlas Elevator Co..... 3960
Otis Elevator Co..... 5185

Contract Awarded.
WAREHOUSE, ETC. Total cost. $2,500,000; Cost of super structure, $761,343.
SAN FRANCISCO. Area between Embarcadero, China Basin, Third and Berry Streets.
Super-structure for a six-story reinforced concrete warehouse, 122x812; sea wall, railroad tracks, etc.
Owner—State of California.
Architect—Frank G. White, Ferry Bldg., San Francisco.
Contractor—Healy-Tibbitts Constr. Co. 9 Main St., San Francisco.

LOS ANGELES, Cal.—The Lynch-Cannon Co., Salt Lake City, Utah, has been awarded the contract at $210,000 for erecting a new freight depot and office building on Hunter St. between Alameda and Lemon Sts. in Los Angeles, for Union Pacific Railway Co. The contract was let on the original bid of $211,050 with a deduction of $1000 for California asphalt instead of Trinidad asphalt. Mr. Cannon is stopping at Lankershim Hotel. The work is being handled by the engineering dept. of the railway company. John Parkinson and Donald B. Parkinson, 420 Title Ins. Bldg., architects for the office building. It will be 2 story and basement, 80x200 ft., and the freight house will be 1-story, 50x600 ft. Reinforced concrete construction, plaster exterior, steel sash, metal skylights,etc

SANTA ROSA, Sonoma Co., Cal.—M. H. Fredericks, Petaluma, at $1,900 awarded contract by supervisors to erect warehouse and sheds at Petaluma for storage of county materials. Other bidders: A. H. Matheson, Healdsburg, $2,240; W. A. Dulduer, Petaluma, $2,130; W. L. Proctor, Santa Rosa, $2,085. R. Press Smith, county surveyor.

SAN FRANCISCO—H. Bardue, vice-president and general manager of the Direct Steel Process Company, with offices in San Jose and an experimental plant in Alameda, is conferring with the Chamber of Commerce regarding the establishment of a steel plant in the vicinity of San Francisco.

SANTA CRUZ, Santa Cruz Co., Cal.—City Engineer James K. James has completed plans and bids will be asked shortly for repairing the municipal wharf

FIREHOUSES AND JAILS

Plans prepared
FIREHOUSE Cost, $9,000
OAKDALE, Stanislaus Co., Cal. Rear of City Hall.
Two-story brick, 40x50 firehouse.
Owner—City of Oakdale.
Architect—Frank Fowler, Oakdale

HANFORD, Kings Co., Cal.—Until Feb. 6, 11 A. M., bids will be received by E. F. Pickerill, county clerk, for constructing addition to county jail. ($15,000 available for construction). Certified check for 10% payable to Chairman Board of Supervisors required with each bid. Plans may be had from clerk.

FLATS

Plans Completed.
FLATS. Cost, $12,000
SAN FRANCISCO. NE Clement and Twenty-first Avenue.
Two-story and basement frame (4) flats.
Owner—M. P. Stroheim, 201 Caselli Ave San Francisco.
Designer—P. Carlson, 3631 23rd Ave., San Francisco.

Low Bidder.
FLATS Cost, $——
SAN FRANCISCO. Filbert St. near Baker St.
Two two-story frame flat buildings.
Owner—Withheld.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Low Bidder—E. A. Comisky, 180 Jessie St., San Francisco.

Contract Awarded.
FLATS Cost, $11,565
SAN FRANCISCO. N California St. 60 W 25th Avenue.
Two-story and basement frame flats.
Owner—P. and E. V. Evergetis, 6301 California St., San Francisco.
Architect & Contractor—Arthur M Hardy, 6217 California St., S. F.

Contract Awarded.
FLATS Cost, $14,000
SAN FRANCISCO. E 21st Ave. 225 S Balboa.
Two-story and basement frame (4) flats.
Owner—M. Saroff and S. Raskin, 731 Baker St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—S. Raskin, 731 Baker St., San Francisco.

Plans Being Prepared.
FLATS Cost $16,000
SAN FRANCISCO. NW Hillway and Parnassus Avenues.
Two-story and basement frame and plaster flats (2, 6-room, sleeping porch and conservatory with 2 garages in basement).
Owner—Miss Breese.
Architect—S. Helman, 57 Post St., San Francisco.

Plans Completed
FLATS Cost, $11,500
SAN FRANCISCO. NW Cabrillo Street and Eighteenth Avenue.
Two-story and basement frame (4) flats.
Owner—J. C. Thomas, 380 20th Ave., San Francisco.
Architect—None.

GARAGES

Plans Completed.
GARAGE, ETC. Cost, $19,000
SAN FRANCISCO. Ocean Ave. west of Miramar 50x128-9.
One story reinforced concrete garage and auto sales building.
Owner—L. J. Carter.
Architect—Henry Shermund, Hearst Bldg., San Francisco.

Plans Being Figured
REPAIR SHOP. Cost, $——
SAN FRANCISCO. N Pacific Avenue 127 W Larkin Street.
One-story reinforced concrete automobile repair shop
Owner—August Livernais.
Architect — O'Brien Bros., 240 Montgomery St., San Francisco.

Plans Completed.
GARAGE Cost, $——
CROCKETT, Contra Costa Co., Cal.
One-story brick garage 50x100.
Owner—Withheld.
Architect—Henry Shermund, Hearst Bldg., San Francisco.

GOVERNMENT WORK AND SUPPLIES

Plans Being Prepared.
REMODELING Cost, $18,000
MARE ISLAND, Cal.
Remodel south half of building M-63 Marine Barracks.
Owner—U. S. Government.
Architect—Engineering Dept. at Mare Island.

Plans Ready for Figures.
ADDITION Cost, $160,000
MARE ISLAND. Navy Ammunition Depot.
Reinforced concrete tile and steel addition to shell house and magazine buildings, Spec. 4561.
Owner—United States Government.
Architect—Owner.
The plans and specifications are on the way from Washington and will be obtainable at Mare Island on a deposit of $10. The closing date will be announced shortly.

WASHINGTON, D. C.—Bids will be received until Jan. 31, 1922, at 2 P. M., by the Treasury Department, for the construction and installation of bronze entrance doors and frames at the U. S. Post Office in Everett, Wash. **See call for bids under official proposal column in this issue.**

FORT MASON, Cal.—The following bids were received on January 17th, by the Constructing Quartermaster's office for making metal extension to brick chimney at heating plant, Crissy Field:
Turner Co., San Francisco.....$215
Conlin & Roberts, San Francisco..$265
Globe Sheet Metal Works, S. F....$295
Associated Metal Works, S. F.....$325
Contract awarded to The Turner Co., 272 Natoma St., San Francisco.

Bureau of Yards and Docks, Navy Department, Washington. — Bids are wanted until February 2, specification 4543, for cold storage and refrigerating equipment at San Diego, Calif. Deposit for plans, $10.

WASHINGTON, D. C.—Until Feb. 3, 10.30 A. M., bids will be received by Panama Canal Commission, under Circular No. 1466, for furnishing on dock, Balboa (Pacific Port): compound pressure and vacuum gauges, auto tires, 3,000 ft. edging for refrigerator doors; metal polish, etc., etc.

WASHINGTON, D. C.— Following work has been authorized at Army posts on the Pacific Coast:
Alcatraz Barracks, Calif., repairs to wharf.
Luke Field, H. T., improvements to flying field.
Bids will be asked by the Construction Quartermaster at the place in which the improvement is to be undertaken

WASHINGTON, D. C.—Globe Electric Works, 1959 Mission St., San Francisco, awarded contract by the Bureau of Yards and Docks for constructing street lighting and fire alarm system at San Diego Naval base, under Specification No. 4526. Bid, $6,280. Time for completion, 90 days

WTSHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at the end of each paragraph:

Sched. 9299, for Mare Island navy yard, 258 vises. Jan. 31.

Sched. 9304, various yards, miscellaneous high speed and carbon steel countersinks. Feb. 7.

Sched. 9305, various yards, 150,000 pounds gas, CO2. Jan. 24.

Sched 9306, Mare Island, 2,600 stud bolts and 25,800 standard bolts. Feb. 7.

Sched. 9307, Mare Island, 84 electric toasters. Feb. 7.

Sched. 9311, Mare Island, 8,000 steel wire casting brushes. Feb. 7.

Sched. 9313, Mare Island, 25,300 pounds soft sheet steel. Feb. 7.

Sched. 9314, various yards, 348 cap screw wrenches, 150 open end wrenches, 250 pipe wrenches, 542 do, 11,781 adjustable pipe wrenches, type B, and 8 chain pipe wrenches, type C. Feb. 7.

Sched. 9315, various yards, high speed and carbon steel reamers. Feb. 7.

Sched 9316, Puget Sound, medium steel rivets. Feb. 7.

Sched 9317. various yards, leather belting. Feb. 7.

Sched. 9318, various yards, 11 electric grinders and 82 electric drills. Feb. 7.

Sched. 9320, eastern and western yards, 756 standard punches and 27 standard dies. Feb. 7.

Sched. 9321, for eastern and western yards, 1,110 pounds acetone. Feb. 7.

Sched. 9322, for eastern and western yards, 1,100 pairs abestos gauntlet gloves. Feb. 7.

Sched. 9323, for Mare Island, wire rope and steel wire. Feb. 7.

Sched. 9324, for Puget Sound, 43,425 feet brass voice tubing. Feb. 7.

Sched. 9325, for Mare Island, 5,268 steel buckets. Feb. 7.

Sched. 9328, eastern and western yards, miscellaneous files. Feb. 7.

Sched. 9329, for eastern and western yards, 1,970 pounds muriatic acid. Feb. 7.

Sched. 9332, for Puget Sound, 10 oil burners. Feb. 7.

WASHINGTON, D. C.—The Commissioner of Indian Affairs has approved a bill introduced in the house by Samuel S. Arentz of Nevada seeking an appropriation of $11,00 to construct and equip a small hospital for use on the Indian Reservation at Yerington, Nevada. Will contain six-bed ward in two rooms.

HALLS AND SOCIETY BUILDINGS

Preliminary Plans Being Prepared.
AUDITORIUM Cost, $——
SANTA ROSA, Sonoma Co., Cal. A St.
Class A Audltorium 85x180.
Owner—Scottish Rite.
Architect — Carl Werner, Humboldt Bank Bldg., San Francisco.

Low Bidder.
LODGE HALL Cost, $20,177
DINUBA, Tulare Co., Cal.
Two-story reinforced concrete Lodge Hall.
Owner—Dinuba Fraternal Hall Ass'n., Dinuba, Cal.
Architect—Not given.
Low Bidder—Woltz and Vetter, Dinuba, Cal.

Other bidders were: Anton Johnson, Kingsburg, $21,500; Graham & Sons, Dinuba, $21,875; Frank Patterson, Dinuba, $21,999; S. N. Chase, Dinuba, $25,000.

Contract to be Awarded.
LODGE BLDG. Cost, $15,950
SAN FRANCISCO. Washington Street near Stockton Street.
Two-story reinforced concrete church and lodge building.
Owner—Chinese Missionary Society.
Architect—W. R. Yelland, Perry Bldg., Oakland.
Contractor — Morton Builders Cptn., Balboa Bldg., San Francisco.

VALLEJO, Solano Co., Cal.—Vallejo Lodge No. 559, B. P. O. E., has decided to erect a two-story, 50 by 60, lodge hall at Sutter and Virginia streets. Estimated cost, $35,000. A building committee has been appointed to secure funds.

SAN FRANCISCO—Should the San Francisco Commercial grow in membership as it did in 1921, it will be necessary to erect a building for its own use, it was reported at the last meeting. Approximately $150,000 was spent by the club last year in enlarging its present quarters. Frederick Whitton is a member of the organization.

HOSPITALS

Plans Approved and Ready For Figures.
HOSPITAL Cost, $175,000
SAN JOSE, Santa Clara Co., Cal. N. E-Santa Clara St., near 14th St.
Three story fireproof hospital (75 beds).
Ownuer—San Jose Hospital Ass'n, a corporation.
Architect—Binder & Curtis, 255½ S-First St., San Jose.

Contract Awarded.
X-RAY LABORATORY Cost, $10,374
SAN FRANCISCO. Block bounded by Fell, Lyon, Hayes and Baker.
One-story brick laboratory.
Owner—Southrn Pacific Co., 65 Market St., San Francisco.
Architect—J. H. Christie, 65 Market St., San Francisco.
Contractor—Geo. A. Bos, Hearst Bldg., San Francisco]

Plans Being Figured.
HOSPITAL Cost, $175,000
SAN JOSE, Santa Clara Co., Cal. N E-Santa Clara St., near 14th St.
Three-story reinforced concrete hospital (75 beds.)
Owner—San Jose Hospital Association, a corporation.
Architects—Binder & Curtis, 255½ S-First St., San Jose.

Figures are being taken for a general contract.

EVERETT, Wash — The General Hospital Association, P. J. Jordan, President, has raised $150,000 to construct a fireproof hospital from plans of Stevens & Lee, Boston Architects. Construction will be supervised by Architects Bebb & Gould. Hoge Bldg. Seattle. P. J. Jordan, is president of the Everett Pulp & Paper Company with offices in Everett.

FRESNO, Fresno Co., Cal.—Supervisors approve plans and specifications for the proposed nurses' home to be erected at the county hospital grounds and bids will be asked shortly.

HOTELS

PALO ALTO, Santa Clara Co., Cal.—Chamber of Commerce has leased property from the Stanford University on state highway at the entrance to Palm Drive and proposes to erect a modern hotel building. Alfred Seale, is chairman of the Hotel Organization Committee, which will proceed at once to secure the necessary funds.

POWER PLANTS

FRESNO, Fresno Co., Cal.—Approximately $4,000,000 will be spent by the San Joaquin Light & Power Company during the year 1922, according to plans outlined by officials of the company before the Railroad Commission at a meeting in that city. The work will include the construction of a new office building in Fresno, the building of storehouses, warehouses, sub-stations and distribution lines.

PUBLIC BUILDINGS

CARSON CITY, Nevada — Homer Mooney, Secretary of the State Capitol Commission, is taking bids for furnishing and installing furniture and office equipment for the Heroes' Memorial Quarters. Bids will be opened in about two weeks.

BERKELEY, Alameda Co., Cal.—Edward Alling appointed part-time playground director at Emerson school, to fill vacancy caused through resignation of Stanley C. Davie.

Stockton Architectural and Building Exhibit

UNDER THE AUSPICES OF

Stockton Architects' Association

EXHIBITION TO BE HELD AT

Hotel Clark, January 21 to 28, 1922, Inclusive

STOCKTON, CALIFORNIA

OAKLAND, Cal.—The following bids were received on January 17th, for the construction of a two-story and basement frame and concrete hospital building with tile roof. It is to be erected on the west side of E-Eleventh street and First avenue in Oakland for the Alameda County Public Health Center. Plans were prepared by Architect C. W. Dickey, 359 12th street Oakland. All bids were taken under advisement.

General Contract

W. G. Thornalley, 351 12th St., Oakland	$43,100
M. E. Hopper & Son, Oakland	43,690
Lawton & Vezey, Oakland	44,286
M. C. Vaughn, Oakland	44,761
Schnebly & Hostrawser	44,836
G. P. W. Jensen, S. F.	45,240
R. W. Littlefield, Oakland	46,657
J. Pedgrift, Oakland	48,380

Plumbing

T. R. Catton, 2327 Prince St., Berkeley	$5,659
Scott Co.	6,104
W. H. Picard	6,600
Carl T. Doell	6,693
J. E. O'Mara	6,700

Heating

Scott Co.	$4,592
J. E. O'Mara	4,767
W. H. Picard & Edwards	5,142
Carl T. Doell	5,285

Electric Work

King's Elec. Co., 351 12th St., Oakland	$4,987
M. E. Ryan, S. F.	3,193
NePage-McKenney	5,589
Roberts Mfg. Co.	5,775
Spott Elec. Co.	6,100

Plastering

Geo. Dixon, 451 Apgar St., Okd.	$6,987
Wm. Makin	7,173
J. Pedgrift	7,456
T. D. Sexton	7,875

Steel Lockers

Fay H. Otis	$181.46
Beiger Mfg. Co.	205.45
Medart Co.	253.20

SAN FRANCISCO—M. E. Ryan, Mills Bldg., at $3,849, submits low bid to Board of Public Works for furnishing and installing electrical wires and conduits for additional feeds and plug outlets in the Municipal Auditorium. Other bidders: Globe Electric Works, $4,967; G. A. Metcalfe, $4,950; Turner Co., $3,980; Severin Electric Co., $4,200; S. M. Radelfinger, $4,040; Standard Electric Construction Co., $5,928.

SACRAMENTO, Cal.—City Manager Clyde L. Seavey recommends to City Health Officer Dr. Geo. J. Hall, the construction of a municipal swimming baths and municipal convenience stations and the establishment of a medical school.

VALLEJO, Solano Co., Cal.—The Vallejo Playground and Recreation Association has been organized with Mrs. Raymond Bangle, chairman.

RESIDENCES

Contract Awarded.
RESIDENCE Cost, $17,188.50
SAN MATEO, San Mateo Co., Cal. Intersection of Santa Inez and Vancouver Aves.
Two-story and basement frame residence.
Owner — Hugho Abrahamson, 2360 Washington St., San Francisco.
Architect—Samuel Lightner Hyman, Foxcroft Bldg., San Francisco.
Contractor—H. C. Lewis & Co., Foxcroft Bldg., San Francisco.

Segregated Figures Being Taken.
RESIDENCE Cost, $32,000
PIEDMONT, Alameda Co., Cal.
Two-story and basement stucco 12-room residence and separate garage (court at rear with tile roof, mill work, rough interior and exterior plaster.
Owner—Chas. C. Keeney.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.

Plans Being Prepared — Contract Awarded on a Percentage Basis.
RESIDENCE Cost, $30,000
BURLINGAME, San Mateo Co., Cal.
Two-story frame and plaster temporary residence
Owner—Rudolph Spreckels.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.
When the permanent residence is erected later this structure will be used as a garage.

Plans Being Prepared.
RESIDENCE Cost, $20,000
SANTA CRUZ, Cal.
Two-story frame and concrete residence.
Owner—Samuel Leask, Santa Cruz.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

Contract Awarded.
BUNGALOW Cost, $——
SAN FRANCISCO. Westwood Park, SE Wildwood Way and Miramar Ave.
One-story and basement frame and plaster bungalow (6 rooms and garage).
Owner—The Chronicle.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor — Nelson Bros., 1375 Plymouth Ave., San Francisco.

Contract Awarded.
DWELLING Cost, $15,000
SAN FRANCISCO. E Funston Ave 210 N Fulton St.
Two-story and basement frame dwelling.
Owner—P. Marbito, 1006 Geneva Ave., San Francisco.
Architect—None.
Contractor—A. C. Hamerton, 475 Dewey Blvd., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $——
PIEDMONT, Alameda Co., Cal.
Two-story and basement frame and stucco residence.
Owner—W. H. Weeks.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $9,000
BERKELEY, Alameda Co., Cal. No 830 Santa Barbara Road.
Two-story 7-room residence.
Owner—H. D. Dewell, 1100 Scenic Ave., Berkeley.
Architect—Jos. J. Rankin, 1st National Bank Bldg., San Francisco.
Contractor—Wm. Livingston, 2918 Ellis St., Berkeley.
The excavating, grading and concrete work was awarded to Jepsen Bros., at $705.

Plans Being Figured—Bids Close Feb. 1, 1922.
RESIDENCE Cost, $12,000
SACRAMENTO, Cal. Forty-first and J Streets.
Two-story frame and plaster residence (10 rooms and 2 bathrooms)
Owner—Ernest Syufy.
Architect — Frederick S. Harrison, Peoples Bank Bldg., Sacramento
SPECIFICATIONS
Exterior Finish, cement plaster and half timber, Plumbing Standard; Roof, wood shingles.

Plans Being Prepared.
RESIDENCE Cost, $15,000
SAN JOSE, Santa Clara Co., Cal. Hanchett Park near Sequoia St.
Two-story frame and plaster residence
Owner—Stanley Hiller.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.

Plans Being Prepared.
RESIDENCE Cost, $8,500
SAN JOSE, Santa Clara Co., Cal.
One and one-half-story frame residence (English Style).
Owner—Mr. Richmond.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.

Bids Opened
RESIDENCE Cost, $——
SAN FRANCISCO. W Arguello Blvd. S California Street.
Two-story frame and plaster residence (9 rooms and garage).
Owner—B. Sieroty.
Architect—S. Heiman, 57 Post St., San Francisco.

J. S. Malloch, 180 Jessie St.	$13,830
Monson Bros.	14,087
Cohn & Nordstrom	14,350
Vukicevich & Bagge	14,750
J. A. Bryant	14,930
N. F. Nielson	15,870

Segregated Figures Being Taken.
RESIDENCE Cost, $——
HAYWARD, Alameda Co., Cal.
Two-story brick and frame residence (30 rooms and 5 bathrooms).
Owner—Dr. Ann Martin.
Architect — Kenneth MacDonald, Jr., 234 Pine St., San Francisco.
Figures are being taken on the following segregations: Carpenter work; composition roofing; heating system; glass and glazing; tile work; electrical work; plastering and lathing; plumbing; galvanized iron.

Contract Awarded.
RESIDENCE Cost, $14,087
SAN FRANCISCO. W Arguello Blvd. S California Street.
Two-story frame and plaster residence (9 rooms and garage).
Owner—B. Sieroty.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco.
The lowest bid was submitted by J. S. Malloch at $13,830, but as he is going to Europe he relinquished the contract to Monson Bros.

Plans Being Revised.
RESIDENCE Cost, $30,000
SAN FRANCISCO. Sea Cliff.
Two-story frame and stucco residence (10 rooms and a garage).
Owner—Mrs. L Martin.
Architect—M. V. Politeo, 1st National Bank Bldg., San Francisco.

Owner to Take Figures Next Week.
RESIDENCE Cost, $18,000
SAN MATEO, San Mateo Co., Cal.
Two-story and basement frame and plaster residence (10 rooms and 3 bathrooms).
Owner—P. L. Bush, 39 13th St., San Mateo.
Architect—S Heiman, 57 Post St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $15,000
SAN FRANCISCO. St. Francis Wood.
Two story and basement frame and plaster residence and garage (8 rooms and 2 bathrooms).
Owner—Dr. Ernest C. Dickson.
Architect—J. K. Branner, 251 Kearny St., San Francisco.
Separate figures are being taken for plumbing and painting

Figures Being Taken.
RESIDENCE Cost, $30,000
BERKELEY, Alameda Co., Cal. Avalon Avenue.
Two-story frame and plaster residence with terra cotta roof, also a reinforced concrete bulkhead.

Owner—J. B. Havre, Kohl Bldg., San Francisco.
Architect — Benj. G. McDougall, 381 Bush St., San Francisco.
Figures are being taken for a general contract.

SCHOOLS

Commissioned To Prepare Plans.
SCHOOL Cost, $200,000
SAN MATEO, San Mateo Co., Cal. Central school site and Popular Ave. between C and D Sts.
Grammar school.
Owner — San Mateo Grammar School District.
Architect—J. J. Donovan, Perry Bldg., Oakland.

Commissioned to Prepare Plans.
SCHOOL Cost, $120,000
CONCORD, Contra Costa Co., Cal.
Two-story reinforced concrete school building (1st unit of new high school buildings)
Owner—Mt. Diablo High School Dist.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
A bond election will be held on Jan. 24th.

Plans Being Figured—Bids close Feb. 8, 1922, 8 P. M.
SCHOOL Cost, $100,000
HAYWARD, Alameda Co., Cal. SE Walpert and E Sts.
One and two-story reinforced concrete school (10 classrooms, auditorium, manual traing and domestic).
Owner — Hayward Grammar School District (Jacob Harder, Jr., clerk).
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.
Figures are being taken for a general contract and segregated contracts. Plans may be obtained from the architect.
See call for bids under official proposal column.

Plans being figured—Bids close Feb. 4, 1 P. M.
RIPON, San Joaquin Co., Cal.
First brick or tile (1st unit) of gymnasium building.
HIGH SCHOOL
Owner—Ripon Union High School District, C. E. Martinelli, Clerk.
Architect—C. H. Young, Commercial & Savings Bank Bldg., Stockton.
See call for bid under official proposal section in this issue.

Plans Being Figured—Bids Close Feb. 8, 1922, 8 P. M.
EQUIPMENT FOR SCHOOL Cost, $—
PIEDMONT, Alameda Co., Cal.
Painting, shades, slate blackboards, cork linoleum, stage scenery and equipment, electric fixtures and steel lockers for high school.
Owner—Piedmont High School District (Mrs. H. Haas, Secretary).
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Plans and specifications may be obtained from the architect or secretary.
See call for bids under official proposal column.

SAN JUAN, San Benito Co., Cal.—Steps are being taken to organize the San Juan High School District. Should the district be formed an election will be called to vote bonds to finance construction of a modern structure.

GRASS VALLEY, Nevada Co., Cal.—Until Jan. 24, 7.30 P. M., bids will be received by A. B. Champion, clerk, Board of Education for grading Grass Valley high school lot; work to be under supervision of engineer in charge. T. H. McGuire. Work to be completed in 60 days.

RIVERVIEW, Fresno Co., Cal.—J. H. Palm, at $20,630 awarded contract to erect Riverview Grammar school from plans of Architect Anton Johnson Co., Kingsburg. F. F. Smith awarded contract for brick work; C. L. Passmore for tile roof; C. Thollander for plastering; E. L. Magnuson for plumbing; R. E. Rounsaville for electric work; L. F. Tegelberg for heating. Following bids were received:

General Contract

J. H. Palm, (a) $20,630; add for each alternate: (b) $288; (c) $165; (d) $100; (c) $40; (f) $115; (g) no bid.
Barkelew & Gould, (a) $22,646; add for each alternate: (b) $415; (c) $100; (d) $150; (e) $35; (f) $65; (g) $665.
Otis H. Smith, (a) $23950; add for each alternate: (b) $950; (c) $133; (d) $165; (e) $132; (f) $621; (g) $645.

Brick Work

Ray Larson, (a) $3,095; (b) and (c) no bid.
F. F. Smith. (a) $4,185; (b) $4,675; (c) add $2,336.
Paul Kindler, (a) $4,400; (b) $5,250; (c) $7,000.

Tile Roof

J. A. Drummond.....$3,570
C. L. Passmore.....$2,900

Sheet Metal

Ruth-Ringleman Hardware Co.....$285
L. F. Tegelberg.....$166

Plastering

A. Knowles.....(a) $5,400; (b) $3,800
E. O. Ward.....(a) $5,976; (b) $3,824
C. Thollander.....(a) $4,300; (b) $1,700
Edw. J. Regan...(a) $4,574; (b) $2,574
A. G. Liedsen....(a) $975; (b) add $485
C. M. Johnson..(a) $1,475; (b) less $490
A. Quandt & Sons..(a) $1,235; (b) $578

Blackboards

Rucker-Fuller Desk Co.....$543

Plumbing

Barrett-Hicks Co., (a) $3,924; (b) $2.25 per foot.
E. L. Magnuson, (a) $3,600; (b) $1.50 per foot.
Mechanical Engineering and Supply Company, (a) $3,788; (b) $1.00 per foot.
Carl T. Doell, (a) $4,643; (b) no bid.
B. A. Newman Company, (a) $3,800; (b) $1.00 per foot.

Electrical

R. E. Rounsaville.....$712
A. Terkel $725
Valley Electric Supply Co.....$885
Davison Electric Supply Co.....$855
L. F. Tegelberg.....$742

Heating

Mechanical Engineering & Supply Co. $2,700
James A. Nelson $2,805
Carl T. Doell $2,255
Barrett-Hicks Company $2,089
B. A. Newman Company.....$2,143
Griffen Sheet Metal Works.....$2,113
L. F. Tegelberg.....$2,042

SAN FRANCISCO—Until Feb. 1, 3 P. M., bids will be received by Board of Public Works for constructing addition to John Hancock school in west side of Taylor St. between Filbert and Greenwich streets. Segregated bids will be taken: General Construction, estimated cost $32,000; Plumbing, $1,200; Electric Work, $900; Heating and Ventilating, $1,500.

Separte bids, same date, for brick and hollow tile work for Mission High school now under construction in 18th St. between Dolores and Church; estimated cost $25,000.

Separate bids, same date, for furring, lathing and plastering for the North Beach (Galileo) High School now under construction in east side of Van Ness Ave. between Bay and San Francisco Sts.; estimated cost $65,000.

Plans may be had from Bureau of Architecture, 2nd floor, city hall. John Reid, Jr., city architect.

BERKELEY, Cal.—Definite announcement of the plan of the University of California in providing dormitories for its students was made by President David P. Barrows. President Barrows said a plan now before the board of regents provide for the construction of a series of dormitories, each to cost approximately $250,000 or $300,000.

The first two of these will be under construction within a year or sixteen months, he said, one of them being for men and one women. He said that probably, thereafter two buildings a year would be added during the following six years, or until there were sufficient dormitories to house the students. John Galen Howard, First National Bank Bldg., San Francisco, is the architect for the university.

MERCED, Merced Co., Cal.—Until Feb. 4, bids will be received by the Trustees of Merced Grammar School District for constructing a grammar school on J street near 21st. Bids will be taken for concrete or tile construction; for a general contract with separate bid for heating.

ORANGE, Orange Co., Cal.—Daniels & Farris, 916 Herkimer St., Pasadena, were awarded the carpenter work and concrete work contract for the new auditorium bldg. at Orange high school site. Allison & Allison, 1405 Hibernian Bldg., Los Angeles, architects. Other contracts awarded were: Brick work to H. E. Knerr; sheet metal work to Emil Brown; roofing to Warren & Bailey; tile roofing to C. L. Passmore; plastering to Bert E. Dequine; plumbing and heating to S. Hill & Son, Santa Ana; electrical work to Robertson Elec. Co., Santa Ana. The bids for blackboards, painting and hardware were taken under advisement. Auditorium to seat 1300, library, study hall, offices, 6 classrooms; brick construction, plaster exterior, cast stone trim, tile and composition roofing, pine trim, maple floors. Cost, approximately $150,000.

LOS ANGELES, Cal.—Los Angeles Planing Mill Co., 1812 Industrial St., Los Angeles, was awarded the general contract at $284,510, for erecting the new Le Conte junior high school bldg. on Bronson Ave. near Fountain Ave. The contract was awarded on the original bid of $289,710 with a deduction of $5200 for red ruffled brick exterior. The plumbing was awarded to W. S. Goodrich at $15,499; painting to E. A. Lindgreen at $11,088; and wiring to F. B. Potter Electric Co. at $10,489. The bids for heating were held under advisement. Plans were prepared by the architectural department of the board of education. Two-story and part basement, 132x350 ft. brick construction, clay tile roof, reinforced concrete stairways and corridors, maple floors, structural steel, marble and tile work.

LONG BEACH, Calif.—Until 8 p. m., Jan. 30, bids will be received by the board of education of Long Beach for erecting the practical arts bldg. at the Long Beach Polytechnic high school. John C. Austin, 1125 Baker-Detwiller Bldg., L. A., and W. Horace Austin, Long Beach, associated archts. Bids will be taken separately on the general work, plumbing, painting, electric wiring, gas heating and program clocks. The building will be 2-story, 142x148 ft., brick constructions, plaster exterior, composition roofing, pine trim, reinforced concrete stairways and corridor floors, beech finish floors, marble work, etc. There will be a study hall on the roof; $200,000.

LOS ANGELES, Calif.—Alex. Grant, 1202 W. 36th Pl., Los Angeles, was low bidder at $61,973 on the general contract for a new school bldg. at Main St. school site; Lester T. Squiers, Douglas Bldg., Los Angeles, archt. The low bidders on other contracts were: Geo. A. Posthumus on heating at $3,347; Prewitt Elec. Co. on wiring at $3,688; G. C. Sutton on plumbing at $10,420; and R. E. Swan on painting at $2865. Bids referred to bus. mgr. Two-sto., 10-rms., brick constr., ruff. brick and art stone exter., comp. rf

LOS ANGELES, Cal.—Until 9 A. M., Jan. 25, bids will be received by the board of education for the following city school work:

For erecting a new school building at Grant school site, Wilton Pl. and Harold Way; Jeffery & Schaefer, architects; 2-sto., 101x64 ft.; 9 classrooms, brick constr., $80,000. Separate bids on general contract, plumbing, heating, painting and wiring.

For erecting new school bldg. on E. First St. school site, on E. 1st St. betw. Mott and Savannah Sts.; Krempel & Erkes, archts.; 2-sto. and basement, 6 classrooms, auditorium, offices, lavatories; brick constr., clay tile and comp. rfg., $93,500. Separate bids on general work, plumbing, painting, heating and wiring.

For additions and alterations to Twentieth St. School; separate bids on general work and painting.

For grading the athletic field at the Franklin high school site, 820 W. Ave. 54.

For finishing the second floor at the Chatsworth Park school, at Devonshire and Santa Susanna Aves., Chatsworth.

For installing rolling or folding partition at Lincoln high school gymnasium, 3625 N. Broadway.

For constructing a fence at Coronel school site, s. w. corner of 7th and Wilson Sts.

Plans and spec. for above work may be obtained at secy's office, 730 Security Bldg.

LOS ANGELES, Calif.—Willard-Brent Co., Baker-Detwiler Bldg., Los Angeles, was low bidder at $69,780 on the general contract for erecting a new school bldg. at 95th St. school site; Hudson & Munsell, Douglas Bldg., Los Angeles, archts. The low bidders on other contracts were: Apex Painting Co. on painting at $3295; Munger & Munger on heating at $4685; E. W. Crowell on plumbing at $6449, and Prewitt Elec. Co. on wiring at $2145. Bids referred to the bus. mgr. Two-story 13 classroms., brick constr.

SEASIDE, Ore.—Until Feb. 1, 2 P. M., bids will be received by B. G. Thompson, clerk, for constructing brick and frame, 16 classroom and auditorium, school; estimated cost, $70,000. Plans by Architect Chas. T. Diamond, Spexarth Bldg., Astoria, Ore.

FRESNO, Fresno Co., Cal.—Architects Swartz and Ryland, Rowell Bldg., Fresno, have been selected to prepare preliminary plans for the proposed high school to be erected for the Washington Colony High School District in Fresno county. A structure costing in the neighborhood of $200,000 is proposed.

SPOKANE, Wash.—O. C. Pratt, member of school board, proposes additions and alterations to present schools and erection of new buildings, including $1,500,000

THOR[illegible], San Joaquin Co., Cal.—Until Feb. 1, 2 P. M., bids will be received by Robert Nichols, Clerk, New Hope School District, for constructing a one-story grammar school, from plans of Architects Wright & Satterlee, Bank of Italy Bldg., Stockton. Certified check for $200, payable to the clerk, required with each bid. Plans may be had from the architects.

SEATTLE, Wash.—Scherer & Carlson, 111 Pine street, at $77,890 awarded contract to erect three-story steel and concrete, 12 classroom, Ravenna School.

STORES AND OFFICES

Plans Being Prepared.
ADDITION Cost, $——
SAN FRANCISCO. S Bush St. N of Kearny.
One-story reinforced concrete addition to telephone exchange building.
Owner—Pacific Tel. & Tel. Co.
Architect—Architectural Dept. of Owner, Mr. Cobby, Chief Draftsman, Sheldon Bldg., San Francisco.

Plans Being Figured.
FIRE ALARM STATION Cost, $25,000
FRESNO, Fresno Co., Cal. Divisadero and Howard Streets.
One-story and basement concrete fire alarm station.
Owner—City of Fresno, R. Y. St. George, City Clerk.
Architects—Coates & Traver, Rowell Bldg., Fresno.
Plans may be had from the City Clerk.

Plans Being Prepared.
AUTO BLDG. Cost, $20,000
SAN FRANCISCO. SW Fell St. and Van Ness Avenue.
One-story and mezzanine reinforced concrete auto accessories building.
Owner—Withheld.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Plans will be ready for figures in about three weeks.

Plans Completed.
STORES, ETC. Cost, $17,000
SAN FRANCISCO. S O'Farrell 82-6 E Fillmore.
One-story brick stores and meat market.
Owner—Leon Lewis, 112 California St., San Francisco.
Architect—Samuel Lightner Hyman, 68 Post St., San Francisco.

Plans Being Prepared.
OFFICE BLDG. Cost, $35,000
SAN JOSE, Santa Clara Co., Cal. So. First Street.
One-story reinforced concrete steel and terra cotta office building.
Owner—Mutual Building & Loan Co.
Architects—Binder & Curtis, 225½ S. First St., San Jose.

Contract Awarded
REPAIRS Cost, $35,000
SACRAMENTO, Cal. No. 631 K St.
Repairs to interior of store.
Owner—Clauss & Kraus.
Architect—Not Given.
Contractor—Siller Bros., 1616 13th Ave. Sacramento.

Plans Being Prepared.
BAKERY Cost, $18,000 to $20,000
PASO ROBLES, San Luis Obispo Co., Cal.
Two-story brick bakery.
Owner—Geo. Jacobs.
Architect—Miller & Warnecke, Perry Bldg., Oakland

Contract Awarded.
BUILDING Cost, $9,000
SAN FRANCISCO. S Ellis 58-9 E Hyde.
Excavation, form work, concrete and cement work, rough carpenter, reinforcing steel and terra cotta flues for building.
Owner—E. V. Lacey, 180 Jessie St., San Francisco.
Architect—None.
Contractor—Mission Concrete Co., Inc. Call Bldg., San Francisco.

Plans Being Prepared.
ALTERATIONS Cost, $30,000
SAN FRANCISCO. N Sutter between Kearny Street and Grant Ave.
Extensive alterations to grocery store.
Owner—Goldberg-Bowen Co.
Architect—S. Heiman, 57 Post St., San Francisco.

Contract Awarded.
OFFICE BLDG. Cost, $10,000
OAKLAND. W Broadway 150 W 17th St.
One-story brick office bldg.
Owner — Oliver Kehrlein, Franklin Theatre, Oakland.
Architect—None.
Contractor—F. T. Kennedy, 434 9th St., Oakland.

Plans Being Prepared.
ALTERATIONS Cost, $50,000
SAN FRANCISCO. Cliff House.
Extensive interior alterations to cafe. (It will be enlarged to seat 550 people; the kitchen and serving department will be moved to the basement; the interior will be elaborately decorated.)
Owner—Charles Sutro.
Lessee—Richard P. Roberts.
Architect—S. Heiman, 57 Post St., San Francisco.

Plans to be Prepared.
STORES Cost, $20,000
MODESTO, Stanislaus Co., Cal. SE Ninth and J Streets.
One-story brick, tile and concrete (3) stores, 62x100.
Owner—F. E. Smith, 922 9th St., Modesto.
Architect—Not Stated.
A portion of the structure will be leased to the Western Auto Supply Company of Los Angeles.

Plans Being Prepared.
OFFICES Cost, $12,000
SELMA, Fresno Co., Cal. High St.
Two-story brick or tile stores and offices, 40x70.
Owner—Will Stammers, Selma, Cal.
Architect—Anton Johnson, Kingsburg, Calif.

Grading Figures Being Taken.
STORE, ETC. Cost, $30,000
SAN FRANCISCO. S Sutter Street, bet. Stockton and Powell Streets.
Two-story and basement Class C store and studio building (3 stores).
Owner—Proctor & Chamberlain.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

LONG BEACH, Calif.—H. H. Lochridge, 700 Markwell Bldg., Long Beach, is preparing plans for three additional upper stories to be added by Contractor John D. Seerie, former Long Beach city commissioner to Markwell building, Ocean Front and Pine Ave., Long Beach, $300,000. The Cleveland Discount Co., Markwell Bldg., Long Beach, is financing the operation and work is expected to start Feb. 1; reinf. concr. walls and fls., comp. rf., enam. brick exter., terra cotta trim, steel sash and glass.

SEATTLE, Wash.—Architect John Graham, L. C. Smith Bldg., Seattle, granted building permit to erect 12-story fireproof office building for the Dexter Horton Estate at the southeast corner of 3rd Ave. and Cherry St.; estimated cost, $1,000,000. Bids are being taken from selected contractors.

(Continued on Page 20)

Official Proposals

NOTICE TO BIDDERS

On the Construction of a New School Building for the Ripon Union High School District, San Joaquin County, California

Notice is hereby given by order of the Board of Trustees of The Ripon Union High School District that separate proposals will be received at the Ripon Union High School Building, located in the Ripon Union High School District, in the town of Ripon, County of San Joaquin, State of California, **until Saturday, February 4th, 1922, up to 1 P. M.**, for the furnishing of all labor and materials necessary for the construction of the following items in connection with the gymnasium for the Ripon Union High School:

1. Carpentering, labor, lumber and millwork.
2. Excavating, concrete, tile and brickwork.
3. Plastering.
4. Painting and tinting.
5. Plumbing and sheet metal work.
6. Electrical work.
7. Roofing.

The above work is necessary for the construction of this gymnasium building in accordance with plans and specifications on file, which may be seen at the office of C. H. Young, 903-4-5 Commercial and Savings Bank Building, Stockton, California, the authorized architect for the Board.

All bids must be accompanied by a certified check or certificate of deposit for not less than 10 per cent of the amount bid, and conditioned that the successful bidder shall enter into a contract in accordance with such bid, and file with said Board of Trustees a surety bond to be approved by said Board, both as to form and sureties thereon, within five (5) days after acceptance of his bid, which bond shall be conditioned for the faithful fulfillment of the contract entered into, and to be for at least fifty per cent of the amount of the contract price for the work to be done thereunder. Upon failure of the bidder to execute such contract and bond within said five (5) days said ten per cent of the amount bid shall be forfeited to said Ripon Union High School District. All the work to be done and materials to be furnished shall be in accordance with the plans and specifications herein specified, and all bids herein will be opened at the hour of 1 P. M. on the 4th day of February, 1922, by said Board of Trustees of the Ripon Union High School District, in the County of San Joaquin, State of California.

All bids must be submitted on forms obtained from the architect, said Board of Trustees reserving the right to reject any and all bids.

By order of the Board of Trustees of the Ripon Union High School District, County of San Joaquin, State of California.

Dated Jan. 10th, 1922.

JEAN W. HARD, President.
C. E. MARTINELLI, Clerk.
M. N. FOSTER.
IRA T. MARTIN.
M. J. COSGRIFF.

BIDS WANTED FOR PAINTING, SHADES, LINOLEUM, ELECTRIC FIXTURES, ETC.

NOTICE TO CONTRACTORS

Office of the Board of Trustees of the Piedmont High School District.

Notice is hereby given that the Board of Trustees of the Piedmont High School District, Alameda County, California, hereby calls for sealed proposals to be delivered to the Clerk of the Board of Trustees in the main office of the temporary High School building, 900 Magnolia avenue, at the junction of Highland, in the said city of Piedmont, California, **until Wednesday, February 8, 1922, at 8 o'clock P. M.** of the said day, for the completion of the various portions of the work mentioned below in connection with the new two-story concrete High School building being erected in the above named city, all in accordance with plans and specifications made for the same by W. H. Weeks, the authorized architect, employed by the Board to which reference is hereby made.

Segregated bids on the portions of the work will be received as follows:

(1) Painting.
(2) Window Shades.
(3) Slate Blackboards.
(4) Linoleum.
(5) Stage Scenery and Equipment.
(6) Steel Lockers.
(7) Electric Fixtures.
(8) School Furniture.
(9) School Furnishings.
(10) School Wireless Equipment.

Plans and specifications can be seen at the office of the Board at the Temporary High School, 900 Magnolia avenue, junction of Highland, Piedmont, California, between 9 A. M. and 3 P. M., of any day except Saturdays, Sundays and holidays, or at the office of the architect, W. H. Weeks, 369 Pine street, San Francisco, California, during office hours.

Complete sets of said plans and specifications may be had by any prospective bidder and retained until 8 P. M., February 8th, 1922.

Bids must be made on proposals obtained at the office of the architect, and be signed by the bidder, accompanied by a certified check for at least ten (10) per cent of the amount of the bid or proposal, certified to by some responsible bank or banker and made payable to Harriet A. Haas, Clerk of the Board of Trustees of the Piedmont High School District, to be retained by the said High School District as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award, or to give bonds required for the faithful performance of the contract, or any bond required by law.

Bids will be opened by the Board of said High School District on Wednesday, February 8, 1922, at the hour of 8 p. m., in the main office of the Temporary High School building, 900 Magnolia avenue, at the junction of Highland, in the said city of Piedmont. The Board reserves the right to reject any or all bids or any or all items of such bids.

Dated at Piedmont, California, January 16, 1922.

BOARD OF TRUSTEES OF THE PIEDMONT HIGH SCHOOL DISTRICT.
H. D. BELL, M. D., President.
WALTER S. BRANN.
HARRIET A. HAAS, Clerk.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on February 14, 1922**, at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Mendocino County, between Forsyth Creek and Outlet Creek (1-Men-1-D, E, and F), about seventeen and three-tenths (17.3) miles in length, to be paved with either Portland cement concrete or bituminized macadam.

Santa Clara County, between San Felipe and Easterly Boundary (IV-SCl-32-B & C) about sixteen and eight-tenths (16.8) miles in length, to be graded.

Monterey County, between King City and South Side of Salinas River (V-Mon-2-F), about one (1.0) mile in length, 0.5 mile to be paved with asphalt concrete and 0.5 mile on the Salinas River Bridge to be surfaced with asphalt concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers in Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated January 16, 1922.

BIDS WANTED FOR SCHOOL

One and two-story reinforced concrete structure. Estimated cost, $100,000

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN That sealed bids will be received by the Trustees of the Hayward Grammar School District of Alameda County, California, in the town of Hayward for the construction of a Grammar School Building at Hayward, Alameda County, California, as per plans and specifications on file with the Clerk of said Trustees, in the town of Hayward, or at the office of Henry C. Smith, the authorized architect, at 785 Market Street, San Francisco, California.

Plans and specifications can be obtained from the Clerk or Architect, upon deposit of the sum of $25 which will be returned when said plans and specifications are returned in good condition to said Clerk or Architect.

Reference to plans and specifications are hereby made for bids required.

Blank forms for bidding will be furnished upon application.

Said bids will be received **up to and including February 8, 1922, at 8 o'clock P. M., Wednesday**, by the Clerk of said Board of Trustees, at the Hayward Grammar School, B street, Hayward, Alameda County, California. Each bid must be accompanied by a certified check for the sum of ten per cent of the amount of any such bid or $1,000 for general bid, conditional on the successful bidder entering into the contract, the amount of said check to be made payable to Clerk of the Board of Trustees, Hayward Grammar School District.

The Trustees reserve the right to reject any or all bids.

By order of the Board of Trustees, Hayward Grammar School District.

Dated at Hayward, California, January 12, 1922.

(Signed) JACOB HARDER, JR.
Clerk of the Board of Trustees of the Hayward Grammar School District.

TO CALL BIDS FOR SHELL HOUSE EXTENSION

NOTICE TO CONTRACTORS

The Bureau of Yards and Docks has announced that proposals will be opened in the near future under Specification No. 4561 for extension of shell house and magazine at the Mare Island Navy Yard.

The work will consist of a one-story extension to the shell house building No. A-131 and to the magazine building No. A-130. Each will connect with and be similar to the existing buildings and will have wood finish flooring and concrete fill on reinforced concrete floor base; exterior, reinforced concrete, loading platform; concrete foundationh on timber piles; hollow tile walls with exterior stucco; steel columns and trusses; asbestos shingle roofing on wood deck; and a lightning protection system.

Plans and Specifications No. 4561 may be obtained, when available, by application to the Bureau of Yards and Docks, Navy Department, Washington, D. C., or to the Commandant, Navy Yard, Mare Island, California, accompanied with a postal money order or check for ten dollars ($10.00) payable to the Chief of the Bureau of Yards and Docks, as security for the safe return of the specifications.

R. P. MARTIN,
Lieutenant, (CEC) U. S. N.,
By Direction of Public Works Officer.

BIDS WANTED FOR BRONZE DOORS

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Jan. 7, 1922—SEALED PROPOSALS will be opened in this office at 2 P. M., Jan. 31, 1922, for the construction and installation of bronze entrance doors and frames. Drawings and specifications may be obtained from the Custodian at Everett, Wash., or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR CAST IRON WATER SUPPLY LINE

NOTICE TO CONTRACTORS

OFFICE CONSTRUCTING QUARTERMASTER, HONOLULU, H. T.—Sealed proposals for materials and for labor for construction of about five miles of 18-inch and 24 inch cast iron water supply line Schofield Barracks Reservation, H. T., will be received and opened at 12 noon, March 9, 1922, at this office. Plans and specifications can be obtained here or from Constructing Quartermaster, Fort Mason, San Francisco, Calif., on deposit of $25.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on February 6, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Mariposa County, between Sierra National Forest and Bricebung (VI-Map-18-E) about five and seven-tenths (5.7) miles in length to be graded.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated January 9, 1922.

BIDS WANTED FOR HOSPITAL BUILDINGS

NOTICE TO CONTRACTORS

County of Kings, State of California.

Sealed proposals, addressed to the Board of Supervisors, County of Kings, State of California, and endorsed "Proposals for the Construction of An Isolation Building for the Kings County Hospital," as per plans and specifications on file, will be received by the Board in its chambers in the Court House, at Hanford, **until 11:00 o'clock A. M., of the 28th day of January, 1922,** and at that time and place will be publicly opened and read.

Plans, specifications and blank forms of proposal for work may be obtained at the office of the Clerk of the Board of Supervisors or at the County Surveyor's Office at Hanford, California, on payment of $5.00 (not returnable). All proposals must be made on said blank forms, must give the prices proposed, both in writing and figures, and must be signed by the bidder with his address. The phraseology of the proposal must not be changed and any alteration made by the bidder will make the proposal informal and liable to rejection.

Each bid to be presented under sealed cover and shall be accompanied by cash, a bidder's bond or a certified check made payable to the order of the Chairman of the Board of Supervisors of the County of Kings, State of California, for an amount equal to at least ten (10) per cent of the amount of said bid, and no bid shall be considered unless such cash bond or check is enclosed therewith, such cash, bond or check to be returned to the bidder unless forfeited under the conditions herein stipulated.

A good and satisfactory bond will be required for the faithful performance of the contract in a sum equal to twenty-five (25) per cent of the amount of the contract, and a further bond in a sum equal to one-half of the amount of the contract must be furnished as required by the terms of an act of the legislature of the State of California, entitled, "An Act to Secure the payment of the claims of persons employed by Contractors upon Public Works, and the claims of persons who furnish materials, supplies, teams, implements, or machinery used or consumed by such contractors in the performance of such works, and prescribing the duties of certain public officers with respect thereto," approved May 10, 1919, known as Chapter 303 of the Statutes of 1919. The sureties on both bonds must be approved by the Board of Supervisors.

The quantities to be bid on are as follows:

Type No. 1. Isolation building of hollow tile construction as per plans and specifications.

Type No. 2. The same but of brick construction.

The bidder to whom the contract may be awarded will be required to appear at the office of the Board of Supervisors with the sureties offered by him, and execute a contract within ten (10) days, (not including Sunday) after it is awarded to him. In case of failure or neglect to do so, he may be considered as having abandoned it, and the cash, bond or check accompanying the proposal may, at the option of the Board of Supervisors, be forfeited to the County of Kings, State of California.

All bids will be compared on the basis of the estimated quantities of work to be done, as shown in the specifications.

The Board of Supervisors reserves the right to reject any or all proposals.

BOARD OF SUPERVISORS OF THE COUNTY OF KINGS, STATE OF CALIFORNIA.
By A. F. SMITH, Chairman.
Attest: E. F. PICKERILL, Clerk.
Hanford, California, January 4, 1922.
(Seal.)

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENTS

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on January 30, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Santa Clara County, between San Felipe and Easterly Boundary (IV-SCl-32-B & C) about sixteen and eight-tenths (16.8) miles in length, to be graded.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated January 3, 1922.

CLEVELAND PURCHASES PUMPING EQUIPMENT

The Dravo-Doyle Company of Pittsburg, Pa., has been awarded a contract by the City of Cleveland for eight steam-driven centrifugal pumping units, covering the mechanical equipment of the Fairmont Pumping Station to cost $410,950. The machines will be able to pump 300,000,000 gallons of water a day and the turbines will have 12,000 horsepower.

DISSOLVE PARTNERSHIP

The co-partnership of James & Drucker, heating contractors, 450 Hayes has dissolved. By mutual agreement, Mr. C. Drucker will complete all uncompleted contracts and assume all liabilities. All outstanding accounts, merchandise, shop equipment, etc., becomes the property of C. Drucker.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SAN RAFAEL, Marin Co., Cal.—The City Council will shortly issue call for bids for dredging the inner harbor of the San Rafael canal. Eugene W. Smith, City Clerk.

MERCED, Merced Co., Cal.—Until Jan. 30, 10 A. M., bids will be received by P. J. Thornton, county clerk, for constructing reinforced concrete bridge on Hilmar-Irwin Stevinson road over Lateral 7, Turlock Irrigation District Canal, Road District 4; (Bridge 86). A. E. Cowell, county surveyor.

CALIFORNIA—State of California has filed application with the War Department to construct new steel swing bridge over San Joaquin river at Mossdale on the state highway. The Western Pacific Railroad is also planning to reconstruct its swing bridge at the crossing of the river one mile south of Mossdale.

OAKLAND, Cal.—Until Feb. 20, 10 A. M., bids will be received by supervisors for constructing Carroll overhead crossing, a reinforced concrete viaduct over tracks of Central Pacific railway, southwest of Altamont in Murray Township; estimated cost, $68,000. Project involves: 500 cu. yds. grading and excavation; 1,600 cu. yds. 1-2-4 mix concrete; 260,000 lbs. reinforcing steel; 6,300 lin. ft. reinforced concrete piles. Geo. A. Posey, county surveyor. Plans may be had from county clerk or from office of surveyor.

SAN JOSE, Santa Clara Co., Cal.—W. S. Dow, San Jose, at $2,495 submits low bid to supervisors for constructing reinforced concrete revetment on Bodfish mill road. Only other bidder: Wm. Radeke, $2,792. Surveyor's estimate, $3,600. Taken under advisement.

SAN DIEGO, Cal.—Hydraulic Engineer H. N. Savage, has recommended to council immediate construction of a dam at Mission Gorge, estimated to cost $3,250,000, including a filter plant and a conduit to the city at 11th St. and south side of Balboa Park. He proposes a gravity type masonry dam 116 ft. high impounding 87,000 ac. ft. water. He estimates the cost of a dam at El Capitan site at $4,500,000.

STOCKTON, San Joaquin Co., Cal.—Until Feb. 7, 10 A. M., bids will be received by Eugene D. Graham, county clerk, for dismantling the McMullen Lake bridge on the Durham Ferry road in Castoria Road District, and constructing an earth fill to replace bridge. F. E. Quail, county surveyor.

SEATTLE, Wash.—Union Bridge Co., Central Bldg., at $33,699 submits low bid for constructing 200-span bridge with conc. floor at Upper Yakima crossing in Kittitas county. John R. Mires, county engineer.

INGLEWOOD, Los Angeles Co., Cal.—A petition has been filed with county supervisors for formation of a drainage district under Drain Dist. Imp. Act of 1919 to construct a ditch or drain southwest of Inglewood to connect with present ditch at Hawthorne and Lennox Aves.

IRRIGATION PROJECTS

SPOKANE, Wash.—Spokane Concrete Pipe Co., awarded contract by Grand Forks Irrigation District, near Grand Forks, B. C., for furnishing concrete pipe in sizes ranging from 6 to 26 inches.

OROVILLE, Butte Co., Cal.—Engineer J. M. Howells, 58 Sutter St., San Francisco, preparing plans for proposed Thermalito and Table Mountain Irrigation Districts, in the vicinity of Oroville. Work will involve the construction of ditches, 2 earth fills dam. It is expected that construction will be started in April. Estimated cost, $250,000.

BAKERSFIELD, Kern Co., Cal.—Petitions are being circulated for the organization of an irrigation district to embrace approximately 260,000 acres and which comprehends storage of Kern river waters, development of hydro-electric power and draining water-logged lands in Kern Valley. Cost of the district would be between $15,000,000 and $29,000,000, according to estimates of the state engineering department which after a survey of water conditions reported the project feasible. Herman T. Miller of Ledro, is a prime mover in the project.

KNIGHTSEN, Contra Costa Co., Cal.—John Kristich, Kings City, at $41,561, awarded contract by Knightsen Irrigation District, for furnishing machine made concrete pipe, digging trench, laying pipe and backfilling.

For furnishing 5,000 ft. 27-in. reinforced concrete pipe, contract was let to Western Reinforced Concrete Pipe Co., 6th and Utah Sts., Los Angeles, the district to dig trench, laying pipe and backfill. W. F. Wooley, chief engineer for district.

MADRAS, Ore.—Until Jan. 31, bids will be received by Jefferson Water Conservancy District, A. D. Anderson, secretary, Madras, Ore., for construction of a $4,000,000 irrigation project, from plans prepared by Engineer R. W. Rea, 221 Lumbermen's Bldg., Portland, Ore.

Engineers and Contractors
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LIGHTING SYSTEMS

FRESNO, Fresno Co., Cal.—H. W. Stitt, engineer, Fresno, commissioned by trustees to prepare plans for installation of electrolier system.

SACRAMENTO, Cal.—City Engineer Albert Givan completes specifications for installing electroliers in Third Ave. between 34th and 35th Sts., and in 35th St between Third and Fifth Aves. Metal standards will be installed.

SAN RAFAEL, Marin Co., Cal.—City Trustees declare intention to have installed a modern lighting system throughout the city. Eugene W. Smith, city clerk.

BURLINGAME, San Mateo Co., Cal.—Atlas Electric Co., 185 Stevenson St., San Francisco, at $1,111, awarded contract by city trustees to install 10 iron electroliers in Main St. and San Mateo Drive. Other bidders: Roberts & Co., San Francisco, $1,200; Watts Electric Co., $1,490. Engineer's estimate, $1,250

MACHINERY

SANTA ROSA, Sonoma Co., Cal.—Supervisors reject bid of Adams and Brauch for constructing asphalt heating plant at corporation yard. R. Press Smith, county surveyor.

PORTLAND, Ore.—Until Jan. 30, 2 P. M., bids will be received by S. C. Pier, City Purchasing Agent, 208 City Hall, for furnishing approximately 2000 tons of cast iron pipe for water works.

Separate bids same date for furnishing approximately 48,000 pounds of special castings for water works.

PORTLAND, Ore.—Port of Portland Commission, Spaulding Bldg., preparing specifications for a pile driver, bucket and dipper dredge for permanent construction work on channels and public docks.

FRESNO, Fresno Co., Cal.—Until Jan 26, 3 P. M., bids will be received by R. Y. St. George, city clerk, for furnishing 63,480 ft. of lead covered cable for fire alarm system; estimated cost, $14,000 Wm. Stranahan, city engineer

OAKLAND, Cal.—Moore Shipbuilding Co., has contract to repair Shipping Board liner "Empire State." Approximately $38,000 will be expended.

MODESTO, Stanislaus Co., Cal.—F. R. Webb, 1005 M street, awarded contract by Modescto Irrigation District to lay and band 600-lin. ft 12-in. pipe on Pelucca ranch, $0.20 lin. ft. for pipe and $8 each for (2) manholes. Percy Jones, chief engineer for district.

MADERA, Madera Co., Cal.—Until Feb. 6, bids will be received by City Trustees for furnishing a 75-horsepower motor turbine pumping plant with capacity of 950 gallons per minute. Frank Nikirk, City Engineer.

SAN FRANCISCO—Following bids submitted to Board of Public Works for furnishing and delivering cable and splicing materials for use on

Municipal Railway extension, under Contract No. 129: Standard Underground Cable Co., First National Bank Bldg., $12,200.23; U. S. Steel Products Co., Rialto Bldg., $12,787.26; John A. Roeblings & Sons Co., 646 Folsom St., $13,013.50. The Safety Insulated Wire and Cable Co., 589 Howard St., bid only under Section A; bid, $9,106.56.

ANAHEIM, Orange Co., Cal.—Bids will be taken at once for drilling a new well at the city water plant and for furnishing an auxiliary pump under the $30,000 bond issue recently voted for water works extensions.

ARCADIA, Cal.—Lacy Mfg. Co., Los Angeles was awarded contract for furnishing and laying 5400 ft. 12-in. riveted steel pipe on S. Baldwin Ave.

LOS ANGELES, Cal.—Bids for erecting two reinforced concrete water tanks, 50 feet high and 50 feet diameter, are being received by New La Paz Gold Mining Co., 524 Washington Bldg., Los Angeles. Tanks will be located 35 miles south west of Bouse, Arizona, on Parker cut-off of Santa Fe.

RAILROADS

EL PASO, Tex.—Dudley & Orr of El Paso, have a contract to grade and construct culverts on 47 miles of proposed Chihuhua & Oriente Railway in Mexico; T. Hicklin of Ajo, Ariz., chief engineer.

OROVILLE, Butte Co., Cal.—S. J. Norris, chief engineer for Hutchinson Lumber Co., preparing plans for 6-mile extension to railway into timber lands; estimated cost $138,000 a mile.

WOODLAND, Yolo Co., Cal.—Right-of-way deals closed by the Western Pacific indicate the company is planning immediate construction of extensions to its system in this territory.

EUREKA, Humboldt Co., Cal.—City Council awards contract as following for furnishing materials for municipal railway:

20 tons of car wheels to the Griffin Wheel Co. at $66 per ton, 12,000 feet of copper trolley wire to the Pacific States Electric Co. at 17 cents per pound, 300 redwood ties to the Coggeshall Launch and Towboat Co. at 65 cents each and 500 ties to W. P. McIntire at 50 cents f. o. b. Alton or 58 cents f. o. b. Harry H. Hannah, city engineer.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

YUBA CITY, Sutter Co., Cal.—Supervisors will ask bids about Feb. 7, for constructing 2.55 miles, Lnog Bridge-Turke road; 15-ft. wide, 6-in. thick, involving: 3100 yds. Butte House rock; 5 cu. yd. concrete headwalls; 5996 cu. yds. grading; 100 lin. ft. culvert pipe and 250-ft. guard rail.

Plans being completed and bids will be asked about Feb. 7 for improving First St. in town of Meridan; 0.4 mile reinforced concrete pavement, 15 ft. wide, 5-in. thick, involving: 500 cu. yds. pavement, 3520 sq. yds. grading; estimated cost, $10,000.

Bids will be asked about March 7 for O'Brannon Corners road from Yuba City Nicolaus road to O'Hannion Corners, 2 miles, crushed rock pavement, 15-ft. wide, 5-in. thick, involving: 3000 tons crushed rock and 2000 cu. yds. grading, estimated cost, $10,000.

STOCKTON, San Joaquin Co., Cal.—City Council declares intention to construct sanitary sewers in blocks 4, 5 and 6, in City Park Terrace, involving: 36.00 lin. ft. 4-in. sewer pipe including 2 4-in. diameter 45 degree curved branches; 3,468.33 lin. ft. 6-in. sewer pipe including 90 6-in. by 4-in. wye branches; 8 6x4-in. reducers; 3 6x6-in. double wye branches; 16 4 ft. diameter manholes; converting 2 existing manholes and flush tanks into regular circle manholes; 1 4-ft. diameter manhole and flush tank complete; 2 4-ft. diameter manholes and flush tanks using flushing apparatus from existing manholes. W. B. Hogan, city engineer.

COWELL, Contra Costa Co., Cal.—Hannah Bros., 142 Sansome street, San Francisco, at $21,442.26 submits low bid to Henry Cowell Lime and Cement Co., 2 Market street, San Francisco, for constructing concrete streets in town of Cowell. Other bidders: L. L. Page, $23,745.66; Hutchinson Co., $24,493.00. Taken under advisement. One-third will be paved with 6-in., one-third, 7-in. and one-third 8-in. thickness. Work under supervision of R. R. Arnold, Contra Costa County surveyor.

LOS ANGELES, Cal.—J. G. Beckjord, 718 San Fernando Bldg., awarded contract at $25,000 for paving with 3½-in. oil macadam, George St. and other Sts. in Road Imp. District No. 194, Lomita; contract including curb and sidewalks.

MODESTO, Stanislaus Co., Cal.—Modesto Paving Co., 9th and N Sts., Modesto, awarded contract by city council to improve 6th St., between I and K Sts., involving: 40,000 sq. ft. grading; 27,600 sq. ft. 4-in. cement concrete base with 1½-in. Bitulithic surface; 1,600 lin. ft. concrete curbs and 2,400 sq. ft. concrete gutter. Geo. H. Freitas, city engineer.

LOS ANGELES, Cal.—James Martin, 789 Lyon St., submitted the lowest bid at $21,426.94, time 90 days, for grading a 20 acre tract at N. E. cor. Hillhurst Ave. and Franklin Ave., involving 64,000 cu. yds. at 33½c yd. George W. Tuttle, 532 Mason Bldg., engineer.

GLENDALE, Ariz.—J. L. Hoopes, Tuscon, awarded contract at $95,516.35 for paving Glendale Ave. and other streets, involving about 27,376 sq. yds. 5-in. and 6-in. concrete pavement, curb and laying water pipes. Other bids were: J. D. Howell, Glendale, $100,250.07; McPeak, Burton & Bruckman, Los Angeles, $101,753.40; White & Miller, Phoenix, $110,108.70.

ANTIOCH, Contra Costa Co., Cal.—City Trustees planning to pave with 4-in. concrete, 10th St. between G and I Sts., and H St. between 9th and 10th. Bids will be asked shortly.

LOS ANGELES, Cal.—Geo. H. Oswald, 366 E 58th St., awarded contract at $77,725.26 for improving York Blvd. between Pasadena Ave. and Ave. 56, involving: 220,058 sq. ft. grading; 220,058 sq. ft. asphaltic paving; 269 sq. ft. concrete paving, including grading; 81 ft. curb, 178 sq. ft. walk; 8846 sq. ft. concrete gutter; 31.35 ft. house connection sewers; 3 culverts.

SANTA ROSA, Sonoma Co., Cal.—Until Feb. 15, 12 M., bids will be received by W. W. Felt, Jr., county clerk, for constructing guard rail along Northwestern Pacific at Rionido; approximately 1350 ft. R. Pross Smith, county surveyor.

REDDING, Shasta Co., Cal.—City Trustees seek the construction of a subway under the tracks of the Southern Pacific at Placer Streets. The cost of construction is to be borne equally by city of Redding and railroad.

OLYMPIA, Wash.—In an effort to relieve the unemployed the City Council proposes to improve streets in five districts; estimated cost, $300,000.

WALLA WALLA, Wash. — Walla Walla Water Commission received 8 bids for furnishing 11,250-ft. 24-in. steel pipe for water extensions. Most favorable bids follow:

Western Pipe & Steel company, San Francisco, 24-in. riveted steel pipe with ¼-in. wall, $3.72 per ft.; Albina Marine Iron Works, Portland, 24-in. riveted steel pipe with ¼-inch wall, $3.71 per ft.; Willamette Iron Works, Portland, 24-in. riveted steel pipe with 5/16-in. wall, $4.45.

PENDLETON, Ore.—Until Jan. 26, 11 A. M., bids will be received by Umatilla County Court. L. J. Shannon, county road master, for constructing Unit 2 of Butter Creek highway, 3 miles of grading and gravel surfacing; 22,380 yds. excavation; 10, 760 yds. of surfacing.

OAKLAND, Cal.—City Council votes $17,000 to construct scenic boulevard along west bank of Lake Merritt, involving the construction of a retaining wall. Geo. Mattis, city engineer.

SEAL BEACH, Orange Co., Cal.— Until 8 P. M., Jan. 26, bids will be received by City Clerk B. B. Brown for constructing a water distributing system involving 17,275 ft. 2-in. standard screw pipe; 12,125 ft. 4-in., 5410 ft. 6-in. and 248 ft. 8-in. Class B cast iron pipe with necessary valves and 8 fire hydrants, all materials and labor to be furnished by contractor. Olmsted and Gillelen, Hollingsworth Bldg., Los Angeles, consulting engineers.

CERES, Stanislaus Co., Cal.—Town Engineer Booth preparing estimates of cost for paving Fourth street, from the highway to the Bank of Ceres building.

EL CENTRO, Imperial Co., Cal.—A street paving program has been outlined by city council and preparation of plans and specifications, and necessary proceedings have been started. The following streets will be paved with cement concrete base and asphaltic surface: Orange between Third and Fourth; Third between Orange and Commercial; Commercial between Third and Fourth; Fourth between Broadway and Commercial; three alleys. Following streets will be paved with bitum. base with asphaltic surface: Orange between Fourth and Eighth, Wensley between Sixth and Seventh, Vine between Fourth and Seventh; Sixth between Park and El Centro, Fifth between Park and Euclid; El Centro between Fifth and Sixth; Commercial between Fourth and Fifth and Holt between Fifth and Sixth.

RIO VISTA, Sonoma Co., Cal.—Engineers Chas. E. Sloan Co., Santa Fe Bldg., San Francisco, have been commissioned by city trustees to prepare plans for an extensive paving program. Street committee has been directed to submit a report on streets to be improved and recommend types of pavement.

OLYMPIA, Wash.—State Highway Commission preparing specifications for following work:

Olympic highway—Kamilche to Mill creek (near Shelton) 6.6 miles paving. Brady-Montesano and McCleary to Thurston county line, paving.

Ocean Beach highway—Chehalis to Adna, 4.57 miles paving.

Inland Empire highway—Buena to Zillah, 6 miles paving, Yakima county matching federal funds; Dixie north, 5½ miles paving, contingent on Walla Walla's matching federal funds; Darford to Denison, 8 miles, paving, state and Spokane county matching federal funds.

Sunset highway—Closing of gap in paving between Wenatchee and Cashmere, Chelan county matching federal funds.

In addition a state job of grading 5 miles between Davenport and Detilion on state road No. 22 will be ready for bids soon.

EAST SAN DIEGO, Cal.—City Engineer E. Paul Ford has been instructed by city trustees to prepare plans and estimates of cost for a complete municipal water system.

PHOENIX, Ariz.—Warren Bros. Co. awarded contract at $19,877 for paving Buchanan St. from Central to Third and contract at $6696 for paving Westmoreland from Third to Fourth Ave.

OROVILLE, Butte Co., Cal.—Until Jan. 31, 1.30 P. M., bids will be received by C. F. Belding, county clerk, for 4,500 cu. yds. earth excavation on Gridley and Colusa County Bond road. Harry H. Hume, county road engineer.

BAKERSFIELD, Kern Co., Cal.—City Council decides to call election to vote bonds of $1,500,000 to finance the purchase of the two water systems in the city into one publicly owned. Should the issue carry provision is made for the purchase of reserve equipment that would prevent the occurance of a water shortage. W. D. Clarke, city engineer.

EL MONTE, Cal.—A resolution of intention to improve portions of Main, Kauffman and Esmeralda Streets, and Monte Vista Street, First Street, El Monte Avenue, Railway Street, Depot Street, Mountain Viev Avenue, Granada Avenue and two alleys was adopted by city trustees, Jan. 5 Main Street will be paved with 6-in. concrete and the other streets with 5-in. concrete; curbs, sidewalks and gutters; 1911 Act. Protests will be heard Feb. 2.

OAKLAND, Cal.—It will cost $375,000 to construct a boulevard and "industrial embarcadero" around the estuary waterfront, according to estimates to the city council by Geo. Mattis, city engineer. Would be 80-ft. wide and paved with hydraulic concrete.

SACRAMENTO, Cal.—The California Highway Commission received the following bids on January 16th for highway improvement in Riverside County, between Whitewater and Edom (VII-Riv-26-D), about seventeen and sixtenths (17.6) miles in length, to be paved with either Portland cement concrete or asphalt concrete.

Concrete Base

Henry J. Kaiser, Oakland...$298 011.20
Dillon & Ellington, L. A..... 340,270.00
Engineer's estimate, $265,340.

Asphalt Base

Warren Constr. Co., S. F.....$382,000
Henry J. Kaiser, Oakland..... 386,325
Engineer's estimate, $295,070.

Riverside County, between Edom and India (VII-Riv-26-E), about eleven and five-tenths (11.5) miles in length, to be paved with either Portland cement concrete or asphalt concrete.

Concrete Base

Henry J. Kaiser.....$196,645
Dillon & Ellington..... 213,902
Fairchild, Gilmour, Wilton, Los Angeles 299,997
Engineer's estimate, $171,070.

Asphalt Base

Warren Constr. Co., S. F.....$190,781
Federal Constr. Co., S. F..... 193,788
Fairchild, Gilmour, Wilton.... 308,357
Engineer's estimate, $200,555.

Two Sections Combined. Concrete Base

Henry J. Kaiser.....$448,958.80
Dillon & Ellington..... 551,767.00
Engineer's estimate, $431,235.

Asphalt Base

Henry J. Kaiser.....$555,080.00
Warren Constr. Co..... 558,289.50
Engineer's estimate, $440,915.

SAN JOSE, Santa Clara Co., Cal.—County Surveyor Irving Ryder, preparing plans for improving Lincoln Ave. between San Carlos and Los Gatos creek in Supervisor District No. 4.

OAKLAND, Cal.—City Council orders opening of Fifteenth St. from Franklin to Harrison. City's portion of cost is $60,000, one-fourth of the total cost. Geo. Mattis, city engineer.

SAN LUIS OBISPO, Cal.—Until Feb. 6, 2 P. M., bids will be received by supervisors for constructing 16,000 sq. ft. cement sidewalks and 2,950 lin. ft. concrete curbs in Road Imp. District No. 4, Town of Pismo; estimated cost, $7,625.30. Warren Burch, Lowe Bldg., county engineer.

CALIFORNIA—Until Feb. 14, 2 P. M., bids will be received by State Highway Commission, Forum Bldg., Sacramento, for paving with either Portland cement concrete or bituminized macadam 17.3 miles in Mendocino county between Forsythe Creek and Outlet creek.

Separate bids, same date, for grading 16.8 miles in Santa Clara county between San Felipe and easterly boundary.

Separate bids, same date, Monterey county between King City and south side of Salinas river, about 1.0 mile in length; 0.5 mile to be paved with asphaltic concrete and 0.5 mile on Salinas river bridge to be surfaced with asphaltic concrete. Austin B. Fletcher, state highway engineer. **See call for bids under official proposal section in this issue.**

VALLEJO, Solano Co., Cal.—Louis Tagnon, Vallejo, at $13,326, submits low bid to city council for constructing sidewalks in various sections of the city. Only other bidder, United Construction Co., $14,319. Taken under advisement. T. D. Kilkenny, city engineer.

MODESTO, Stanislaus Co., Cal.—City Council declares intention to improve Magnolia Ave. between Needham and right of way line of Lateral 4 of Modesto Irrigation District; graded, paved with 2½-in. asph. conc. base with 1½-in. Warrenite-Bitullthic wearing surface, conc. curbs and gutters; corru. iron part circle culverts, concrete "Merbelite" electroliers. Imp. Act 1911. Geo. Freitas, city engineer.

OAKLAND, Cal.—City Engineer Geo. Mattis, preparing specifications for cement sidewalks in 23rd Ave. between East 27th and Hopkins streets.

SANTA ROSA, Sonoma Co., Cal.—Clark and Henery Construction Co., Hearst Bldg., San Francisco, at $164,498 awarded contract by supervisors for constructing Healdsburg road; 4 and 5-in. concrete base with 1½-in. Warrenite top. Estimate of R. Press Smith, county surveyor, $180,000.

HEALDSBURG, Sonoma Co., Cal.—Clark & Henery Construction Co., Hearst Bldg., San Francisco, at approximately $164,173, awarded contract by trustees for paving several streets involving 24,000 sq. ft. conc. curb, 50,000 sq. ft. conc gutter, 1,700 corru. culvert; 480,000 sq. ft. 4 and 5-in. conc. base with 1½-in. Warrenite surface. Chas. E. Sloan & Co., engineers, Santa Fe Bldg., San Francisco.

RICHMOND, Contra Costa Co., Cal.—Due to protests the city council has deferred action on the proposed resurfacing of Fourth St. Similar action taken with regards to the improvement of Forty-seventh St. H. D. Chapman, city engineer.

FRESNO, Fresno Co., Cal.—City Council declares intention to improve Roosevelt Ave. between Pine and McKinley; grading, conc. curbs and sidewalks; paving with 5-in. Portland cement conc. Wm. Stranahan, city engineer.

SACRAMENTO, Cal.—City Commissioners declare intention to improve alley between Front and Second Sts., from manhole in S street to manhole in place of trunk line sewer near southeast corner of alley, Front, Second and U streets, by constructing 24-in. sewer and 2 concrete manholes

Intention declared to improve 40th St., between H and E Sts., concrete curbs and gutters, cast iron gutter drains 2 concrete manholes, 8-in. vitrified sewer; reconstructing 3 concrete manholes; grading and paving with 5½-in. asphaltic concrete. Albert Givan, City Engineer.

SACRAMENTO, Cal.—Until Feb. 2, 9 P. M., bids will be received by R. B. Carlton, city clerk, for improving 37th St. from H St. to a point 1,072 ft. north; conc. curbs and gutters; 3 cast iron gutter drains connected to sewer with 6-in. vit. pipe; 2 conc. manholes; 8-in. vit. pipe sewer with 21 6-in. wyes; 21 6-in. vit. pipe sewer connections from wyes on main sewer to curb edge; 1-in. connections to city mains, grading and paving with 5½-in. asph. conc. 38th St. from H St. to a point 1158 ft. north; conc. curb and gutter, 3 cast iron gutter drains connected to manhole with 6-in. vit. pipe; 2 conc manholes; 8-in. vit. sewer with 24 6-in. wyes; 24 6-in. vit. pipe connections from wyes; 1-in. connections for city mains, grading and paving with 5½-in. asph. conc. F St. between 37th and 38th Sts., conc. curbs and gutters, grading and paving with 5½-in. asph. conc. Improvement Act 1911. Albert Givan, city engineer.

MODESTO, Stanislaus Co., Cal.—Until Jan. 25, 8 P. M., bids will be received by L. A. Love, city clerk, for improving 11th St. between F and B Sts., and B St. from 11th to 10th Sts.; grading, paved with 3-in asph. conc. base with 1½-in. Bitulithic wearing surface, conc. curbs and gutters.

Separate bids, same date, for improving Maynell Ave. between McHenry and Johnson; grading, paved with 2½-in. asph. conc. base with 1½-in. Warrenite Bitulithic surface, conc. curbs and gutters, brick manhole, conc. storm water inlets Geo. Freitas, city engineer.

SACRAMENTO, Cal.—Until Jan. 30, 5 P. M., bids will be received by Chas. C. Hughes, secretary, Board of Education, for constructing vit pipe sewer with wyes and manholes in new high school site, 34th and V Sts., from manhole in V St. between 35th and 36th to a point approximately 1200 ft. southerly. Certified check 10% payable to Secretary of Board required Specifications on file in office of Superintendent of Schools Albert Givan, city engineer.

FRESNO, Fresno Co. Cal.—Federal Construction Co. Call Bldg. San Francisco, at $31,355, awarded contract by

Council to improve Wilson Ave. between McKinley and Olive, involving 126,732 ft. grading; 94,457 ft. 5-in. asph. pavement; 9,708 sq. ft. conc. gutter; 4,576 ft. conc. curb; 7,856 ft. art. stone sidewalks; 35 ft. 12-in. culvert. Wm. Stranahan, city engineer.

GILROY, Santa Clara Co., Cal.—Chamber of Commerce proposes that city trustees undertake paving program. Chas. E. Sloan Co., engineers, Santa Fe Bldg., San Francisco, is assisting the chamber to outline plans.

PORTLAND, Ore.—C. Frank Rhodes, Medford, Ore., at $29,839 submits low bid to District Engineer, U. S. Bureau of Public Roads, for constructing 2nd unit of Oregon Caves road in Siskiyou Nat'l. Forest, near Ashland, Ore., this using concrete pipe culverts; using corru. metal pipe culverts, $28,911. Recommendation will be made to Washington that he be awarded the contract.

LAKEPORT, Lake Co., Cal.—Petitions have been forwarded to Washington by Lake county residents seeking the construction of a 4½-mi. road from valley above Uupper Lake into the timber belt on Elk Mountain; estimated cost $20,000. Petition has been referred to Forest Service.

BAKERSFIELD, Kern Co., Cal.—Valley Construction Co., Bakersfield, at $3,779 awarded contract by council to improve portions of Chester avenue, involving 11,035 sq. ft. 6-in. conc. pavement including grading; 920 lin. ft. 2x6 headers and 2,760 ft. exterior grading. W. D. Clarke, city engineer.

MODESTO, Stanislaus Co., Cal.—Until Feb. 1, 7:30 P. M. bids will be received by Kathleen G. Prewett, sect'y., Modesto City School District for improving portion of Sixth street, fronting school property. Geo. Freitas, city engineer.

LOS ANGELES, Cal.—Until 10 A. M., Jan. 30, bids will be received by board of public works for constructing inflow, overflow and collecting sewers at the Mormon Ave. Island sewage pumping plant (Wilmington sewage disposal). Plans on file at office of city engineer. Horace B. Ferris, secretary.

SAN BERNARDINO, Cal.—Until 7.30 P. M., Feb. 6, bids will be received by City Clerk, J. H. Osborn for constructing 8-in. vitrified pipe sewer in Barton and A Sts.; 8-in. vitrified pipe sewer in Gordon St. and 11-in. vitrified pipe sewer in I St., and 8-in. sewers in 9th and 11th Sts.; three contracts. 1911 Act. C. E. Johnson, city engineer.

SAN FRANCISCO—The Board of Supervisors has authorized City Engineer M. M. O'Shaughnessy, to prepare estimates of cost for re-grading Rincon Hill and to submit a report on April 24th. Recent estimates placed the cost of the work at $4,000,000.

LOS ANGELES, Cal.—Geo. R. Curtis, 2440 E. 26th Street, submitted low bid to supervisors at $20,500 for paving Florence Ave. at Huntington Park from Pacific Boulevard east, 48 miles, in Rd. Imp. District No. 200. Geo. H. Oswald submitted only other bid at $20,973.75, engineer's estimate, $21,700.75. The contract will involve 1664 cu. yards excav., 660 square yards shaping roadbed, 6137 square yards 6-inch cement concrete base with 2-inch asphalt concrete surface, 1692 square feet concrete gutter and one reinforced concrete culvert. Average haul 2 miles from Bell Station on P. E. Ry. Bids referred to County Road Com. Jones.

KINGMAN, Ariz.—Until 2 P. M., Feb. 2, bids will be received by Mohave Co. highway commission at Kingman for constructing Chloride-Kingman to Mineral Park project No. 7 of Unit B, involving 6200 cu. yards excavation, 10,300 lin. ft. grader work, drainage structures and incidental items; also for constructing Chloride to Searchlight Ferry highway project No. 4, Unit B, involving 42,000 cu. yards excav., 100,000 lin. feet grader york, drainage structures and incidental items. Plans may be obtained from commission on payment of $5 for each set. Cert. chk. for 5 per cent. J. R. Hemphill, secretary.

PORTERVILLE, Tulare Co., Cal.—City Trustees propose to pave Orange Street, from Main to site of new high school. Petitions being circulated seeking paving of South Hockett St., from Olive to Orange St. Fred Pease, city engineer.

ANAHEIM, Orange Co., Cal.—Bids will be called for at once for extensions to sewer system under $20,000 bond issue recently voted.

ANAHEIM, Orange Co., Cal.—Geo. R. Curtis, 2440 E. 26th St., Los Angeles, awarded contract for paving East and West Chartres St., involving about 82,000 square ft. 5-in. concrete base, 1:2:4 mix, with 2-inch bit. surface at 26c square feet. B. R. Ford, Santa Ana, was awarded contract for paving 3 alleys, involving about 18,000 square feet 6-inch concrete 1:2:3½ mix, at 25c sq. foot.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy completes specifications for constructing 1,673 sq. ft. art. stone sidewalks in west side of 7th St., south of Jessie and in Jessie St., west of 7th; estimated cost, $1,085.

Specifications completed for improving Hearst Ave. between Detroit and Congo; estimated cost, $7,925. Project involves: 425 cu. yds. cut; 1,040 cu. yds. fill; 1,200 lin. ft. concrete curbs and 18,000 sq. ft. asphaltic concrete pavement.

Specifications completed for improving Munich St. between Persia and Russia; estimated cost $2,235, involving 80 cu. yds. cut; 88 lin. ft concrete curbs; 3,064 sq. ft. asphaltic concrete pavement; 30 lin. ft. 12-in vitrified pipe sewer; 124 lin. ft. 10-in. vitrified pipe culvert; 4 brick catchbasins; 511 sq. ft. art. stone sidewalks.

SAN FRANCISCO—Jas. M Smith, 107 11th St., at $102,950, submits low bid to Board of Public Works for constructing 15,980 lin ft. concrete curbs and 300,510 sq. ft. asphaltic concrete pavement in Mission Terrace. Other bidders: State Improvement Co., $109,711; Fay Improvement Co., $104,229; Raisch Improvement Co., $106,039.

E. J. Treacy, Call Bldg., at $9,234, low bidder for improving 25th Ave. between Irving and Judah, involving 900 cu. yds. cut; 1200 lin. ft. concrete curbs; 1,050 sq. ft. artificial stone sidewalks; 24,000 sq. ft. asphaltic concrete pavement. Other bidders: State Improvement Co., $9,387; C. B. Eaton, $9,540; Raisch Improvement Co., $9,402.

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FLAGSTAFF, Ariz.—Bids will again be called for in the spring for bitulithic paving on various streets, in all about 20 blocks. Bids were taken for this work last summer but contract not awarded as price was considered too high.

SALINAS, Monterey Co., Cal.—City Engineer Donald F. Davies, preparing plans for improving Harvest and Winham streets, Lincoln Ave., Avenue A, East San Luis, Monterey, Soledad and Maple streets.

MERCED, Merced Co., Cal.—Following the appointment of J. F. McSwain as engineer for the proposed road improvements in the Livingston-Atwater District, the supervisors directed that specifications be prepared for the work. It is proposed to build 22 miles of road, costing approximately $10,000 a mile. Asphalt macadam pavement will be specified. A. E. Cowell, county surveyor.

SANTA MONICA, Cal.—Joe Chutuk, 426 Bullard Bldg., Los Angeles, was awarded contract at $24,418.90 to construct cement pipe sewer in 26th St. and a large number of other streets.

GLENDALE, Cal.—Until 6.30 P. M., Jan. 26, new bids will be received by City Clerk A. J. Van Wie for following street work under 1911 Act:

Elk Ave., involving 932 lin. ft. grading, 33,600 sq. ft. oiling, 8700 sq. ft. walk, 1737 lin. ft. curb, and laying 692 ft. 4-in cast iron pipe.

Howard, Geneva, Doran, Everett and Lexington Sts., involving 5180 lin. ft. grading; 90,990 sq. ft. oiling; 86,700 sq. ft. macadam, 9030 lin. ft. curb, 45,000 sq. ft. walk, and laying 2985 ft. 4-in. cast iron pipe. Bids for these jobs received Jan. 5, were rejected.

Until 7 P. M., same date, bids will be received for improving Brand Blvd. at San Fernando Road, involving 159 ft. curb, 660 sq. ft. walk, 12,850 sq. ft. 5-in. concrete pavement, 102 ft. concrete corrugated iron storm drain and 15 lin. ft. old culvert to be reinforced. C. L. Hill, city engineer.

LODI, San Joaquin Co., Cal.—City Engineer L. F. Barzellotti completes spec. for following improvements:

Central avenue, between R. R. avenue, to south city limits involving 148,875 square feet 2½-in asphalt concrete base with 1½-inch Warrenite surface; 161,855 square feet grading; 7,700 lin. feet hydraulic conc. curbs; 8,625 sq. feet hydraulic conc. gutters; estimated cost $37,200.

Hilborn street between Stockton avenue, and east city limits, involving 96,375 sq. ft. 2½-in. asph. conc. base with 1½-in. Warrenite surface; 103,485 sq. ft. grading; 4,740 lin. ft. hydraulic conc. curbs and 3,925 sq. ft. hydraulic conc. gutters, estimated cost $23,752.

Daisy avenue, between Church street, and west city limits involving 46,875 sq. ft. 2½-in. asph. conc. base with 1½-inch Warrenite surface; 51,250 sq. ft. grading; 2,500 lin. ft. hydraulic conc. curbs and 3,125 sq. ft. hydraulic conc. gutters, estimated cost $11,728.

SAN DIEGO, Cal.—H. G. Fenton awarded contract at $21,551.76 for grading and constructing curb, sidewalk and culverts on Myrtle Ave., Herbert, Albert and Richmond Sts.

STATE WATER COMMISSION

CALIFORNIA.—The following applications for permits to appropriate water were filed with the State Department of Public Works, Division of Water Rights, during the month of December, 1921:

Application No. 2669 (Los Angeles Co.) Herbert C. Dunn, Trustee for Pallett Creek Water Users Association, Little Rock, Cal. Three cubic feet per second from Palett Creek, Los Angeles County, for irrigation of 700 acres. Diversion of pipe line 5 miles long. Estimated cost, $11,000.

Application No 2671 (Los Angeles Co.) Los Angeles County Flood Control District. 10,500 acre feet per annum storage from Pacoima Creek, Los Angeles County, for agricultural purposes. Estimated cost, $1,500,000.

Application No. 2672 (Los Angeles County) Los Angeles County Flood Control District, Los Angeles, Cal. 10,500 acre feet per annum storage from Pacoima Creek, Los Angeles County, for flood control purposes. Estimated cost, $1,500,000.

Application No. 2674 (Fresno County) Mendota Irrigation District, Fresno, Cal. 2500 cubic feet per second, to be diverted when available from Kings River, Fresno County, tributary of San Joaquin River, of Tulare Lake for power purposes. Amount of power to be developed 10,000 t. h. p. Diversion by means of power canal about 3 miles long. Estimated cost, $600,000.

Application No. 2675 (Humboldt Co.) Frank W. Wilson, 308 Y. M. C. A., Oakland, Cal. Ten cubic feet per second from Wild Creek, Humboldt County, for power purposes.

Application No. 2677 (Los Angeles Co.) George P. Thresher, Los Angeles, Cal. 78 acre feet per annum from Wilson Canyon, Los Angeles County, for irrigation of 40 acres. Diversion by means of pipe line ¾ mile long. Estimated cost, $26,000.

Application No. 2678 (Trinity Co.) Humboldt Placer Mining Company, a corporation, by George E. Waggenor, its attorney in fact, 427 East McLeod Ave., Stockton, Cal. 25 cubic feet per second from Slate Creek, for mining purposes. Diversion by means of ditch 14½ miles long.

Application No. 2680 (Tuolumne Co.) James H. Kendall, Oakland, Cal. 25 cu. ft. per second from North Fork of Tuolumne River, Tuolumne County, for power purposes. Diversion by means of pipe line 1300 feet long.

Application No. 2682 (Siskiyou Co.) William Forstner, Oakbar, Cal. 30 cu. ft. pr second from Horse Creek, Siskiyou County, for mining purposes. Diversion by means of ditch 4 miles long. Estimated cost, $10,000.

Application No. 2685 (Sierra Co.) H. L. Berkey, Scales, Cal. 250 cu. ft. per second from Yuba River, Sierra County, for irrigation of 40,000 acres. Diversion by means of canal 24.78 miles long. Estimated cost, $350,000.

Application No. 2687 (Mono Co.) Lewis B. Perry, Mocalno, Cal. Six cu. ft. per second from Millner Creek, Mono County, for irrigation of 450 acres. Diversion by means of concrete conduit about 2½ miles long. Estimated cost, $5,000.

Application No. 2688 (Mono Co.) Lewis B. Perry, Mocalno, Cal. Six cu. ft. per second from Millner Creek, Mono County, for irrigation of 450 acres. Diversion by means of concrete conduit 2½ miles long. Estimated cost, $5,000.

Application No. 2691 (Siskiyou Co.) Metals Mining Corp'n., Calahan. Three cu. ft. per second from Big Mill Creek, tributary of East Fork of Scott River for power purposes. Amount of power to be developed 81.44 t. h. p. Diversion by means of ditch and pipe 1.4 mile long. Estimated cost, $2,500.

Application No. 2693 (Yuba and Sierra Counties) Roy H. Elliott, San Francisco, Cal. 57.0 cu. ft. per second as follows: 25.0 from Slate Creek, Yuba County; 25.0 from Canyon Creek, Yuba and Sierra Counties; 2.0 from Boyce Ravine, Sierra County, and 5.0 from Cherokee Creek, Sierra County, for power purposes. Diversion by means of conduit system 6.95 miles long. Estimated cost, $300,000.

Application No. 2694 (Inyo Co.) J. N. Rogers, Aberdeen, Inyo County, Cal. 7 cubic feet per second, water flowing from unnamed spring in Lava Canyon, in Sierra Nevada Mountains, and about 5 miles due West of Aberdeen Post Office, for irrigation of 215 acres. Diversion by means of cement ditch and flume ¾ mile long.

Application No. 2695 (San Diego Co.) Ed. Fletcher, San Diego, Cal. 14,225 acre feet per annum storage from San Diego River for agricultural purposes. Diversion by means of pipe line 10 miles long. Estimated cost $1,250,000.

Application No. 2698 (Kern Co.) Consolidated Salt Company of California. 20,000 acre feet per annum storage from Dry Lake, Kern County, for manufacture of salt. Diversion by means of ditch 2½ miles long.

Application No. 2699 (Alpine Co.) F. C. Springmeyer, Gardnerville, Nevada. 4 cubic feet per second from West Fork of Carson River, tributary of Carson River, Alpine County, for irrigation of 720 acres.

Application No.2701 (El Dorado Co.) Daniel D. Bachelder on behalf of Inward Lodge No. 106, Knights of Pythias, Sacramento Cal. Three acre feet per annum from unnamed stream in El Dorado County, tributary of S. Fork of American River, for domestic purposes. Diversion of pipe line 1000 feet long.

Application No. 2702 (Trinity Co.) W. H. Samson, Corning, Cal. 100 cubic feet per second from Rush Creek for power purposes. Estimated cost, $50,000.

Application No. 2703 (Butte Co.) J. M. Howells, Belvedere, Cal. 60 cubic feet per second direct diversion and 16,000 acre feet per annum storage, from Clear Lake and Gold Run Watersheds, Butte County, for irrigation of 11,000 acres. Diversion by means of ditches. Estimated cost, $250,000.

Application No. 2704 (Santa Clara Co.) J. L. Davis, San Jose, Cal. 15,000 acre feet per annum storage from Guadalupe, Rincon and Capitancillas Creeks, Santa Clara County, for agricultural purposes. Diversion by means of pipe line. Estimated cost, $1,250,000.

Application No. 2706 (Yuba Co.) F. M. Turner, Bangor, Cal. 10,000 acre feet per annum storage from Dry Creek, Yuba County, tributary of Yuba River, for irrigation of 5,000 acres. Diversion by main canal 18 miles long Estimated cost, $150,000.

Application No. 2707 (Sacramento Co.) William Dee, Box 606 R. D. Sacramento, Cal. 6.6 cubic feet per second from Sacramento River for irrigation of orchard, alfalfa and general crops. Estimated cost, $2500.

Application No. 2708 (Trinity Co.) H. C. Schlomer, Helena, Cal. 50 cubic feet per second from East Fork, tributary of North Fork of Trinity River, for mining purposes. Diversion by means of ditch and pipe line about 6 miles long. Estimated cost, $10,000.

Application No. 2709 (Butte Co.) Robert W. Campbell, Oroville, Cal. 2 cubic feet per second from Cottonwood Creek, Butte County, tributary of Butte Creek, via Dry Creek, for irrigation of 240 acres. Diversion by ditches each 1 mile long. Estimated cost, $1000.

BUSINESS OPPORTUNITIES

Wm. A. Martin, Jr., 530 Bergen avenue, Jersey City, N. J., would like to arrange to represent San Francisco manufacturers or wholesalers in the eastern market.

T. A. Stevenson, care of Chamber of Commerce, Klamath Falls, Ore., is in the market for playground equipment.

D. F. Cahill, Lemoore, Calif., desires to get in touch with San Francisco firms making a specialty of building and installing prison cells.

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THEATRES

(Continued from Page 12)

Contract Awarded.
THEATRE Cost, $21,000
SAN FRANCISCO. W Embarcadero 91-8 N Mission.
One-story brick moving picture theatre bldg.
Owner—Aaron Goldberg, Room 912, 110 Sutter St., San Francisco.
Architect—Albert W. Burgren, 110 Sutter St., San Francisco.
Contractor—G. P. W. Jensen and H. H. Larsen, 180 Jessie St, San Francisco

Contracts Awarded.
THEATRE Cost, $——
SAN FRANCISCO. S Geary 137-6 W Mason St.
Class A theatre.
Owner—Curran Theatre Co.
Architect—A. H. Jacobs, 110 Sutter St., San Francisco.
Furring, Studding, Lathing and Plastering to A. Knowles, $49,810.
Kompolith Work to Malott & Peterson, 2412 Harrison St., $3,380.
Spencer Turbine Cleaner, Etc. to Frank Drew, Phelan Bldg., $1,068.
Excavation, Concrete, Fireproofing, Brick and Terra Cotta Work to R. J. H. Forbes, Monadnock Bldg., $44,750.

Preliminary Plans Preperad.
THEATRE, ETC. Cost, $85,000
DINUBA, Tulare Co., Cal. North L & Fresno Streets.
Two-story Class C store, office and theatre building (seating capacity 1500), 150x100.
Owner—Dinuba Improvement Co., c/o U. S. National Bank, Dinuba, Cal.
Architect—Ernest J Kump, Rowell Bldg., Fresno.

DID YOU SUFFER BUSINESS LOSS IN 1921?

If a contractor or any other business sustains a net loss on the operation of his business for the year 1921, instead of realizing a net profit on his whole business for the year 1921, such net loss may be deducted from the net profits of 1922 before any tax is payable for the year 1922, and, in addition, if the net profit of 1922 is not sufficient to take care of the net loss of 1921, the amount not so taken care of can be deducted from the net profits of 1923 before any tax is payable for 1923. In other words, the taxpayer is allowed to pay on a three-year average. This is the provision, in substance, contained in section 204 of the 1921 Revenue Act.

The above statement refers to the calendar year. The section also provides that, if the taxable year 1921 is not the calendar year 1921, the proportion of the net loss arising after January 1, 1921, may be deducted from the net profits of 1922 and 1923 as provided. Such a proportion might be determined as 6/12ths of the total net loss in the case of a fiscal year ended June 30, 1921. That is to say, the net loss is distributed between the calendar years 1920 and 1921 on the basis of the time elapsed in each year.

In the past taxpayers have been invited to file claims for refunds of Federal taxes in cases of error, now, by a change of procedure, this will not be necessary in all instances, but they may receive checks for the correction of such errors without the formalities previously attending.

MUNICIPAL IMPROVEMENTS IN STOCKTON FOR 1921

During the year 1921 the city of Stockton spent $496,255.14 for improvements under contract, according to City Engineer W. B. Hogan, in a report to the City Council. This was handled by the City Engineer's Office at a cost of $32,021. The bulk of the work consisted of storm and sanitary sewers and sewage disposal construction, for which $325,000 was voted for storm water sewers and $135,000 for sanitary sewers and sewage disposal works. Of the total amount for storm water sewers, $148,367.34 has been expended or contracted for. Of the sanitary sewers and disposal works, approximately $124,450 has been expended or contracted for

"We have been exceedingly fortunate," says Engineer Hogan in his report, "in securing keen competition in bidding and as a result have secured very satisfactory bids."

SHIPPING BOARD TO SELL BUILDING MATERIALS AND EQUIPMENT

F. H. Walsh and J. R. Duggan, representing the Material Sales Division of the United States Shipping Board, are in San Francisco for the purpose of cooperating with local representatives of the board in the early sale of surplus stocks of materials valued at more than half a million dollars. They are staying at the Palace Hotel.

The immediate sale of the following supplies held in the Alameda Concentration Warehouse is contemplated:

Steel—421,357 pounds plates; 7,371 pounds bars; 1,150,000 pounds I beams; 3,270 pounds fabricated steel; 3,157 pounds scrap; 2,824 pounds tool steel; 426,479 pounds railroad appliances, and heating apparatus and supplies.

—These stocks approximate $33,000 in value and consist of motors, generators, appurtenances, electric supplies, fixtures and radio apparatus.

Pipe, Valves, Plumbing and Heating Equipment—These stocks have a fair value amounting to $18,000 and consist of pipe, valves and fittings, plumbing and heating apparatus an dsupplies.

Ship Machinery and Equipment—These items have an approximate value of $390,000 and consist of ship propelling machinery, deck machinery and equipment, navigating and nautical equipment.

Galley, Hotel and Hospital Supplies—These materials are worth approximately $48,000 and consist of dining room, kitchen and cooking utensils, hospital equipment and supplies, furniture, textiles, clothing, commissaries and general supplies. The general supplies comprise mainly paints, oils, grease, manila, hemp and wire rope and ship chandlery and office furniture and supplies, consisting of typewriters, calculating machines, office furniture, stationery and office supplies.

The Shipping Board is extremely anxious to dispose of all its surplus stocks.

Interested San Francisco merchants should get in touch with Messrs. Walsh and Duggan through the San Francisco office of the Shipping Board.

LUMBER DEALERS SEEK REGULATION

Cooperation of the federal government with states and private interests in the conservation of timber as proposed in the Snell-McCormick forestry policy bill was advocated before the house agriculture committee by Ray Dresher of San Francisco representing the California White Pine Manufacturers association.

Lumber manufacturers on the Pacific coast, Mr. Dresher said, desire government regulation designed particularly to prevent destructive forest fires and providing a comprehensive program of reforestation.

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E. Thomas
Charles Vanina
Wm. Saunders
K. E. Parker Co.
Wm. Theilbahr
Coast Const. Co.
Betz & Mabrey
H. W. Robertson
Harry Hendron
Fred Engberg

BRICK CONTRACTORS

Fred H. Betz
W. J. Clifford
O. A. Henley & Son
Harry Johnson
B. Kruezberger
Harry Simpson

TERRAZA STAIRS

A. Bertolucci
Sacto. Bldg Block Co.

HARDWOOD FLOORS

Sacramento Hardwood Floor Co.
A. E. Pierson

SPRAY PAINTING AND WHITEWASHING

Brown Bros.

MANUFACTURERS OF DOORS & WINDOWS

The California Door Co.

PLUMBING & HEATING CONTRACTORS

C. B. Conn
John H. Cummins
James T. Connors
Cowles & Co.
H. Dixon
Earle Plumbing Co.
E. E. Earle
Ralph Francis
Hateley & Hateley
Charles Hahn
Latourette-Fical Co.
Phil Mott
Mott Plumbing Co.
Miller & Cahill
J. H. Murphy
D. H. McAlpine
F. A. McIntyre
Scott, Lyman & Stack
Frank Schonbachler
Frederick Snook
A. W. Sweet
Mech. Engineering & Supply Co.
Waterman Plumbing Co.

BRICK AND TILE

The Cannon Co.
Gladding McBean
Sacto. Pressed Brick Co.

TERRA COTTA SEWER PIPE AND TILE

Gladding McBean Co.

BRICK

Sacto Transportation Co.

MILL WORK

Cutter Mill & Sup. Co.
Burnett & Sons
Captl. City Planing Mill
Sacto. Bldrs. Supply Co.
Sacramento Cabinet Co.
Sacto. Plng. & Fur. Co.
Charles Van Hall
A. Anderson
G. F. Lindstrom

MAGNESITE, VITROLITE AND GLASS

T. E. Cain.

ROOFING AND ROOFING SUPPLIES

Allyn L. Burr
Capital Roofing & Supply Co.
W. L. Evans
H. W. Johns-Manville Co.
E. S. Warner
Lovett & Young

LIME, PLASTER AND CEMENT

Cowells Lime & Cement Co.
Homestead Lumber Co.
Pacific Port. Cement Co.
Standard Port. Cem. Co.
Sacto. Lumber Co.

PLUMBING SUPPLIES

Crane Co.
Miller-Enwright

TEAMING CONTRACTORS

J. W. Cox
F. T. Davenport
A. T. McGuire & Henry

CEMENT CONTRACTORS

Andrew Andersen
A. Bertolucci
James Cunningham
A. B. Clark
Alford Florence
Frank T. Gassoway
I. J. Harvey
O. Larson
George McDonald
Harold H. Parker
Sacto. Bldg. Block Co.
F. E. Provost

BUILDERS' HARDWARE

Bowman Hdw. Co.
Emigh-Winchell Co.
Shorrock-Smith Hdw. Co.
Waxon Brothers

ELECTRICAL CONTRACTORS

Cal. Mech. & Elec. Eng. Co.
Electrical Supply Co.
Geo. C. Foss
H. G. Hecker
J. C. Hobrecht
Latourette-Fical Co.
Sterling Electric Co.
Scott, Lyman & Stack
Carl F. Vining
Waxon Bros.
Sacto. Appliance Co.
Clifford Prudhomme

LUMBER DEALERS

Friend & Terry
Homestead Lumber Co.
Superior Lumber Co.
Western Lumber Co.
Knox Lumber Co.
Oak Park Lumber Co.
Sacramento Lumber Co.

PAINTS, OILS, GLASS AND WALL PAPER

Barton & Handlin
W. P. Fuller Co.
C. H. Krebs Co.
Schneider, Chappell & Jones.

PLASTERING CONTRACTORS

A. T Cummins
Frank E. Gray
David Hill
H. F. Nix
Fred Nold
T. J. Pennish
Thos. F. Scollan Co.
Fred Bodill

HOUSE MOVING

F. D. Mosier & Sons

LATHERS

Thos. F. Scollan

STRUCTURAL STEEL

Palm Iron Works

EXPRESS & HAULING

Bert Du Frene

CEMENT BLOCKS

Sacto. Bldg. Block Co.

LANDSCAPE GARDENERS

F. H. Rice
J. W. Jenks

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

$2,500 and Over Reported

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
135	Clifford	Owner	5000
136	Katz	Owner	12000
137	Goldberg	Jensen	21000
138	Holmgren	Owner	7000
139	Woodfield	Barrett	12000
140	Kuhule	Owner	4000
142	Olsen	Wengard	5190
145	Voorhies	Owner	14000
150	Curran	Knowles	49819
151	Same	Malott	3380
152	Same	Drew	1068
153	Same	Forbes	44750
154	S P	Bos	10374
155	Queen	Lynch	17076
156	Welch	Owner	60000
157	Stroheim	Owner	12000
158	Garin	Owner	4000
159	Marabito	Hamerton	15000
160	Cohn	Jensen	58500
161	Kouda	Jensen	58500
163	Lewis	Owner	17000
164	Sharman	Owner	9250
167	Meyer	Rednall	7000
168	Pausoi	Heyer	52279
169	Goldberg	Larsen	4835
170	Same	Decker	1591
171	Same	Jensen	14040
172	Beck	Anderson	25000
173	Pike	Rednall	5730
174	Johnson	Owner	5900
175	Stearns	Owner	2950
176	Beck	Owner	4000
177	Madden	Owner	4800
179	Garden	Allen	10000
180	Horgan	Owner	2900
182	Hansen	Hansen	100000
183	Reith	Meyer	3000
184	Morris	Owner	7000
185	Green	Green	6000
191	Evergetis	Hardy	11565
192	Benn	Young	9000
193	Matson	Lindgren	1000000
197	Beasley	Owner	3000
200	Reith	Mohler	12000
201	Rosenthal	Owner	6000
202	Franchi	Owner	3000
203	Farnsworth	Hamerton	10526
206	Jr. Orpheum	Moller	8500
207	Thomas	Kincannon	32501
208	Lacey	Blum	36000
209	Lacey	Mission	9000
210	Saroff	Raskin	14000
212	All Saints	Meyer	5800
214	Gullmes	Owner	2500
218	Allred	Owner	6000
219	Thomas	Owner	14500
222	Loewe	Martin	8000
224	Pike	Rednall	5730
225	Hart	Monson	21500
226	Crawley	Meyer	4300
227	Ferrero	Owner	2500
228	Calugi	Swanson	4000
232	Crether	Owner	2500
233	Stanovero	Dahlstrom	187601
234	Lark of Italy	Mission	15000
235	Carugli	Swanson	4250
236	Theater	Kincannon	32500

PERMITS

DWELLING
(135) E BRYANT 75-8 26th. Two-story and basement frame dwlg.
Owner—W. H. Clifford, 2773 Bryant St., San Francisco.
Architect—O. E. Evans, 2369 Mission St., San Francisco.
Day's work. $5000

APARTMENTS
(136) S CLEMENT 107-6 W 21st Ave. Two-story and basement frame (4) apartments.
Owner—Arthur S. Katz, 857 Page St., San Francisco.
Architect—G. A. Berger, 261 Valencia St., San Francisco.
Day's work. $12,000

THEATRE
(137) W EMBARCADERO 91-8 N Mission. One-story brick moving picture theatre.
Owner—Aaron Goldberg, Room 912, 110 Sutter St., San Francisco.
Architect—Albert W. Burgren, 110 Sutter St., San Francisco.
Contractor—G. P. W. Jensen and H. H. Larsen, 180 Jessie St., S. F. $21,000

FRAME FLATS
(138) E FIFTEENTH AVE 99 N Cabrillo. Two-story and basement frame (2) flats.
Owner—Karl H. Holmgren, 1212 8th Ave., San Francisco.
Architect—None.
Day's work. $7000

STORES
(139) E JONES 68-9 S Geary. One-story Class "C" stores.
Owner—Will H. Woodfield, 129 Sutter St., San Francisco.
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $12,000

DWELLING
(140) NE MASONIC AND PLATO. Two-story and basement frame dwelling.
Owner—D. Kuhule, 1023 Church St., San Francisco.
Plans by Owner.
Day's work. $4000

DWELLING
(142) N ST. MARYS AVE 100 W Mission. Two-story and basement frame dwelling.
Owner—John Olsen, 3938 Mission St., San Francisco.
Architect—None.
Contractor—C. Wengard, 1286 34th Av., San Francisco. $5190

DWELLINGS
(145) W FOURTEENTH AVE 264 and 295 S Anza. Two two-story and basement frame dwellings.
Owner—Voorhies-Newman Co., 50 Divisadero St., San Francisco.
Architect—Wm. Gunnison, 1666 Golden Gate Ave., San Francisco.
Contractor—W. H. Voorhies, 50 Divisadero St., S. F. $7000 each

RECORDED

THEATRE Cost, $49,810
(150) S GEARY 137-6 W MASON W 106xS 137-6. Furring, studding, lathing and plastering for class A theatre building.
Owner—Curran Theatre Co.
Architect—Alfred H. Jacobs, 110 Sutter St., San Francisco.
Contractor—A. Knowles, Call Bldg., San Francisco.
Filed Jan. 13, '22. Dated Jan. 12, '22
Ornamental work in foyer and lobby done .....$ 3,000.00
Ornamental work in balcony and gallery done 3,000.00
Ornamental work in main ceiling done 3,000.00
Ornamental work in face of sounding board done.... 3,000.00
Modeling and casting work work completed 2,250.00
Cement work on exterior completed 2,000.00
Plastering in main foyer completed 4,000.00
Plastering and ornamental work in balcony 3,000.00
Plastering and ornamental work complete 4,000.00
Main ceiling completed.... 4,000.00
Auditorium side walls completed 3,000.00
Completed and Accepted... 3,107.50
Usual 35 Days..... 12,452.50
TOTAL COST $49,810
Bond, $49,810; surety, Fidelity Deposit Co. of Maryland; limit, 100 days; forfeit, none. Plans and specifications filed.

(151) KOMPOLITH WORK ON ABOVE
Contractor—Malott & Peterson, 2412 Harison St., San Francisco.
Filed Jan. 13, '22. Dated Jan. 6, '22
Completed and Accepted.....¾
Usual 35 Days.....¼
TOTAL COST $3,380
Bond, $3,380; surety, Fidelity Deposit Co. of Maryland; limit, forfeit, none. Plans and specifications filed.

(152) SPENCER TURBINE CLEANER Etc. on above.
Contractor—Frank B. Drew, as representative of Spencer Turbine Co., Phelan Bldg., San Francisco.
Filed Jan. 13, '22. Dated Jan. 6, '22
15 days after machine in operation $801
Usual 35 Days..... 267
TOTAL COST $1068
Bond, surety, limit, forfeit, none. Plans and specifications filed.

(153) EXCAVATION, CONCRETE, Fireproofing, Brick & Terra Cotta on above.
Contractor—R. J. H. Forbes, Monadnock Bldg., San Francisco.
Filed Jan. 13, '22. Dated Jan. 3, '22
Concrete poured to 14-7 level .....$ 5,000.00
Concrete poured to 25-1 level 6,000.00
Concrete poured to 47_8 level 9,000.00
Concrete poured to 65 9 level 6,000.00
Completed and Accepted... 7,566.50
Usual 35 Days..... 11,187.50
TOTAL COST $44,750
Bond, $44,750; surety, Fidelity Deposit Co. of Maryland; limit, forfeit, none. Plans and specifications filed.

X-RAY BLDG.
(154) RAILROAD GENERAL HOSpital. All work for erecting X-Ray building.
Owner—Southern Pacific Company.
Architect—None.
Contractor—Geo. A. Bos, Hearst Bldg., San Francisco.
Filed Jan. 13, '22. Dated Jan. 13, '22.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $10,371
Bond, $2800. Surety, Fidelity & Deposit Co. of Maryland. Limit, 85 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(155) NW SIXTEENTH & CHURCH W 100xN 95. All work for alterations and additions to factory bldg.

Owner—R. E. Queen, 2212 Sacramento St., San Francisco.
Architect—D. E. Graham, 180 Jessie St., San Francisco.
Contractor—P. J. Lynch and J. A. Bryant, 180 Jessie St., San Francisco.
Filed Jan. 13, '22. Dated Jan. 11, '22.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $17,076
Bond, $8538. Surety, Fidelity & Deposit Co. of Maryland. Limit, 75 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
(156) S BUSH 137-6 W Mason. Four-story and basement brick (23) apartments.
Owner—Jas. Welch, 597 20th Ave., San Francisco.
Architect—None.
Day's work. $60,000

FRAME FLATS
(157) NE CLEMENT AND TWENTY-first Ave. Two-story and basement frame (4) apartments.
Owner — M. P. Stroheim, 201 Caselli Ave., San Francsico.
Designer—P. Carlsen, 3631 23rd Ave., San Francisco.
Day's work. $12,000

DWELLING
(158) S FULTON 231-3 W Ashbury. One-story and basement frame dwelling.
Owner—E. A. Garin, 1849 Page St., San Francisco.
Architect—None.
Day's work. $4000

DWELLING
(159) E FUNSTON AVE 210 N Fulton Two-story and basement frame dwelling.
Owner—P. Marabito, 1006 Geneva Ave., San Francisco.
Architect—None.
Contractor — A. C. Hamerton, 475 Dewey Blvd., San Francisco. $15,000

APARTMENTS
(160) S GEARY 137-6 W Leavenworth Five-story and basement Class C (20) apartments.
Owner—M. Cohn, 1036 Golden Gate Ave San Francisco.
Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco. $58,500

APARTMENTS
(161) S GEARY 186-3 W Leavenworth Five-story and basement Class C (20) apartments.
Owner—S. Rouda, 40 Powell St., San Francisco.
Architect—Sylvain Schnaittacher, 237 Post St., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco. $58,500

STORES, ETC.
(163) S O'FARRELL 82-6 E Fillmore. One-story brick stores and meat house.
Owner—Leon Lewis, 112 California St., San Francisco.
Architect — Samuel Lightner Hyman, 68 Post St., San Francisco.
Day's work. $17,000

FRAME DWELLINGS
(164) N SHAFTER 225, 250, 275, 300 and 325 E Jennings. Five one-story and basement frame dwellings
Owner—T. L. Sharman, 1440 Shafter Ave., San Francisco.
Architect—None.
Day's work. $1850 each

RECORDED

DWELLING
(167) E BRODERICK 162-6 N Filbert N 25xE 112-6 All work for two-story frame dwelling.
Owner—Frederick N. Meyer.
Plans by Contractor.
Contractor—W. W. Rednall, 2500 Filbert St., San Francisco.
Filed Jan. 14, '22. Dated Jan. 12, '22.
Roof on $1750
1st coat plaster on..... 1750
Completed and accepted..... 1750
Usual 35 days..... 1750
TOTAL COST, $7000
Bond, $3500 Surety, W. P. Holmes. Limit, 100 days. Forfeit, $3. Plans and specifications filed.

RESIDENCE
(168) NE PIERCE AND JACKSON 127-6x127-8¼. All work for three-story frame residence.
Owner—Sam B. Pauson, NE Sutter and Kearny St., San Francisco.
Architect — Sam L. Hyman, Foxcroft Bldg., San Francisco.
Contractor—Chas. W. Heyer Jr., Mills Bldg., San Francisco.
Filed Jan. 14, '22. Dated ——.
On 1st and 15th of each month cost of materials and labor.....
MAXIMUM COST of $52,279; contractor to receive additional $5228.
Bond, none. Limit, as soon as possible Forfeit, none. Plans and specifications filed.

BRICK BLDG.
(169) WTHE EMBARCADERO 91-8 N Mission W 45-10xW 137-6. Brick work for one-story brick building.
Owner—Aaron Goldberg, Rm. 912, 110 Sutter St., San Francisco.
Architect—Albert W. Burgren, 110 Sutter St., San Francisco.
Contractor—H. H. Larsen & Bro., 180 Jessie St., San Francisco.
Filed Jan. 14, '22. Dated Jan. 13, '22.
Brick walls ready for roof trusses $2000
Completed and accepted..... 2835
TOTAL COST, $4835
Bond, none. Limit, 14 days after 1st floor joists set. Forfeit, none. Plans and specifications filed.

(170) ELECTRICAL WORK ON above.
Contractor—Decker Electrical Constr. Co., 149 New Montgomery St., San Francisco.
Filed Jan. 14, '22. Dated Jan. 13, '22.
Roughed in $600
Completed and accepted..... 594
Usual 35 days..... 400
TOTAL COST, $1594
Bond, none. Limit, as fast as possible. Forfeit, none. Plans and specifications filed.

(171) EXCEPT ELECTRIC WORK & brick work on above.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
Filed Jan. 14, '22. Dated Jan. 13, '22.
Ready for lathing.....$3510
Plastering done 3510
Complied and accepted . 3510
Usual 35 days..... 3510
TOTAL COST, $14,040
Bond none. Limit, 45 days after brick work up. Forfeit, none. Plans and specifications filed.

APARTMENTS
(172) E POWELL 68-6 N Bush N 69x E 67-6. Carpenter work and sheet metal work for six-story apartment house.
Owner—Edward Beck, 281 Lee Ave., San Francisco.
Architect—M. V. Politeo, 1st National Bank Bldg., San Francisco.
Contractor—Anderson & Ringrose, 320 Market St., San Francisco.
Filed Jan. 14, '22. Dated Jan. 10, '22.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $25,000
Bond, $12,500. Surties, J. W. Marchbank and Mary E. Ringrose. Limit, 60 days. Forfeit, $25. Plans and specifications filed.

DWELLING
(173) E BRODERICK 137-6 N Filbert One and one half story and basement frame dwelling.
Owner—Nellie B. Pike and Katherine G. Pike, 1233 Taylor St., S. F.
Architect—Plans by builder.
Contractor—W. W. Rednall, 2500 Filbert St., San Francisco. $5,730

FLATS
(174) S CALIFORNIA 60 E 22nd Ave. Two-story and basement frame (2) flats.
Owner—Louis Johnson, 2260 19th Ave., San Francisco.
Architect—None.
Days work. $5,900

ADDITIONS, ETC.
(175) NO. 2350 CALIFORNIA. Additions and general alterations and changes for apartments.
Owner—J. A. Stearns, 1160 Taylor St., San Francisco.
Architect—None.
Days work. $2,960

ALTERATIONS
(176) NW FILLMORE AND GOLDEN Gate Ave. Remove certain bearing partitions, install steel columns and girders; new store fronts; tile flooring.
Owner—Ignatz Beck, premises.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Days work. $4000

DWELLINGS
(177) NE GILLMAN 150 and 200 SW Jennings. Two 1-story and basement frame dewllings.
Owner—P. H. Madden, 1527 Judah St., San Francisco.
Architect—None.
Days work. $2400 each

RESIDENCES
(179) S PORTALA Drive 135 & 360 E Santa Clara Ave. Two 1-story and basement frame residences.
Owner—Garden Homes Co., 278 Post St., San Francisco.
Architect—Earle B. Bertz, 168 Sutter St., San Francisco.
Contractor—Allen & Co., 168 Sutter St., San Francisco. $5000 each

DWELLINGS
(180) SE PARIS 75 and 100 NE Russia. Two 1-story and basement frame dwellings.
Owner—P. Horgan, 915 Pierce St., S F
Architect—None.
Days work. $2900 each

DWELLINGS
(181) N PARIS 225, 250 and 275 W Italy. Three 1-story and basement frame dwellings.
Owner—J. W. Wright & Co., 228 Montgomery St., San Francisco.

JOOST BROTHERS
Builders' Hardware
Tools, Etc.
(Members Builders' Exchange)
1053 MARKET ST.
Phone Market 891 San Francisco

Architect—None.
Contractor—J. C. Littlepage, 419 14th Ave., San Francisco. $2000 each

ADDITION
(182) NO. 330 RITCH. Addition (2 story) for feed mill.
Owner—C. W. Hansen, 260 Townsend St. San Francisco.
Architect—None.
Contractor—H. E. Hansen, 423 30th Ave., San Francisco. $10000

DWELLING
(183) E TWENTY-FIFTH 100 S Balboa. One-story and basement frame dwelling.
Owner—A. H. Reith, 4121 18th Ave., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $3000

DWELLING
(184) W TWELFTH AVE. 150 N Fulton. Two-story and basement frame dwelling.
Owner—A. T. Morris, 501 11th Ave., San Francisco.
Architect—None.
Days work. $7000

RESIDENCES
(185) S BALBOA 82-6 and 107-6 W 20th Ave. Two one-story and basement frame residences.
Owner—G. S. Green, 2050 Bryant St., San Francisco.
Architect—None.
Contractor—Bredlow Green, 2050 Bryant St., San Francisco. $3000 each

RECORDED

FRAME FLATS
(191) N CALIFORNIA 60 W 25th Ave. W 30xN 100. All work for two-story and basement frame flats
Owner—Panagrotis and Evdokia P Evergetis, 6301 California St., S. F.
Architect—None.
Contractor — Arthur M. Hardy, 6217 California St., San Francisco.
Filed Jan. 16, '22. Dated Jan. 12, '22.
Frame up $2891.25
Brown coated 2891.25
5 days after completed.... 826.25
5 days after completed 5 notes for 2065.00
Usual 35 days..... 2891.25
TOTAL COST, $11,565.00
Bond, none. Limit, 100 days. Forfeit, $5. Plans and specifications filed.

FRAME FLATS
(192) W NINETEENTH AVE 275 N Clement N 25xW 120. All work for two-story frame building (flats).
Owner—Stanislas and Eugenia Benn, 337 18th Ave., San Francisco.
Architect—Edw. E. Young, 251 Kearny St., San Francisco.
Contractor—Edw. E. Young, 251 Kearny St., San Francisco.
Filed Jan. 16, '22 Dated Jan. 16, '22.
Frame up $2250
Brown coated 2250
Completed and accepted..... 2250
Usual 35 days..... 2250
TOTAL COST, $9000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
E BRODERICK 162-6 N Filbert. Two-story and basement frame dwelling.
Owner—Frederick N. Meyer, 440 Eddy St., San Francisco.
Architect—Plans by builder.
Contractor—W. W. Redmall, 2500 Filbert St., S. F. $7000

OFFICE BLDG.
(193) SW MAIN AND MARKET Steel work (only) for a 16-story and basement Class A office building.
Owner—Matson Navigation Co., 120 Market St., San Francisco.
Architect—Bliss & Faville, Balboa Bldg., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco. $1,000,000

ALTERATIONS
(197) NO. 604 OAK ST. Remodel 4 flats for apartments.
Owner—D. J. Beasley, Premises.
Architect—None.
Day's work. $3000

DWELLINGS
(200) E TWENTY-THIRD AVE 175 200 and 225 N Cabrillo. Three one-story and basement frame dwellings.
Owner—A. H. Reith, 4121 18th Ave., San Francisco.
Architect—None.
Contractor — T. E. Mohler, 593 21st Ave., San Francisco. $4000 each

FRAME FLATS
(201) S CABRILLO 87-6 W 18th Ave. Two-story and basement frame (2) flats.
Owner—John R. Rosenthal, 1386-A Pacific Ave., San Francisco.
Architect—None.
Day's work. $6000

FRAME DWELLING
(202) S LOMBARD 50 W Scott. Two-story and basement frame dwelling.
Owner—L. Franchi, 2008 Powell St., San Francisco.
Architect—P. F. De Martini, 946 Broadway, San Francisco.
Day's work. $3000

FRAME DWELLING
(203) E SANTA ANA 121-6 N Monterey Blvd. Two-story and basement frame dwelling.
Owner—C. A. Farnsworth, 508 Scott St., San Francisco.
Architect—None.
Contractor — A. V. Hamerton, 475 Dewey Blvd., San Francisco. $10,500

RECORDED

ORGAN
(206) LOCATION NOT GIVEN. All work to build and install organ in Golden Gate Theatre.
Owner—Junior Orpheum of San Francisco.
Architect—None.
Contractor—M. P. Moller.
Filed Jan. 17, '22. Dated Nov. 16, '20.
Organ delivered $2125.00
Organ installed 850.00
Balance in monthly installments of 281.25
TOTAL COST, $8500.00
Bond, none. Limit, Oct. 16, 1921. Forfeit, none. Specifications only filed.

APARTMENTS
(207) E VAN NESS AVE 60 S Green. 27-6x94-5. All work for three-story and basement frame (11 2-room) apartments.
Owner—Louise Thomas.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Contractor—Kincanon & Perego, 159 Sutter St., San Francisco.
Filed Jan. 17, '22. Dated Jan. 16, 22.
On recordation of deed to owner $10,000
30 days after date of contract 2,500
Roof on 4,500
Brown coat plaster on..... 4,500
Completed and accepted 6,500
Usual 35 days..... 4,500
TOTAL COST, $32,500
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications, none.

APARTMENTS
(208) N SUTTER 137-6 E Larkin 27-6 x87-6. All work for four-story reinforced concrete (15) apartments
Owner—E. V. Lacey and Louis Blum, 180 Jessie St., San Francisco.
Architect—None.
Contractor—Louis Blum, 180 Jessie St., San Francisco.
Filed Jan. 17, '22. Dated Jan. 17, '22.
Roof on $9000
Ready for plaster..... 4500
White plaster on..... 4500
Completed and accepted..... 9000
Usual 35 days..... 9000
TOTAL COST, $36,000
Bond, none. Limit, 120 days. Forfeit, plans and specifications, none.

EXCAVATION, ETC.
(209) S ELLIS 58-9 E Hyde 26-9x87-6. Excavation, form work, concrete and cement work, rough carpenter work, reinforcing steel, terra cotta flues for building.
Owner — E. V. Lacey, 180 Jessie St., San Francisco.
Architect—None.
Contractor—Mission Concrete Co., Inc., Call Bldg., San Francisco.
Filed Jan. 17, '22. Dated Jan. 19, '22.
Concrete poured to 2d floor level $2250
Tar and gravel roof on..... 2250
Ready for plaster..... 2250
Usual 35 days..... 2250
TOTAL COST, $9000
Bond, none. Limit, 50 days. Forfeit, plans and specifications, none.

FLATS
N CALIFORNIA 60 W 25th Ave. Two-story and basement frame (2) flats.
Owner—P. Evergetis, 6301 California St., San Francisco.
Architect—A. M. Hardy, 6217 California St., San Francisco.
Contractor—A. M. Hardy, 6217 California St., San Francisco. $11,600

FRAME FLATS
(210) E TWENTY-FIRST AVE 225 S Balboa. Two-story and basement frame (4) flats.
Owner — M. Sarell and S. Raskin, 731 Baker St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—S. Raskin, 731 Baker St., San Francisco. $14,000

RESIDENCE
(212) N WALLER 206-3 W Masonic Ave. Two-story and basement frame residence.
Owner—All Saints Church, Premises.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $5800

RESIDENCE
(214) N JERSEY 175 E Church. Two-story and basement frame residence.
Owner—V. Guilmes, 1828 Castro St., San Francisco.
Architect—None.
Day's work. $2500

DWELLINGS
(218) E CASTENADA 360 and 412 N Magellan. Two 1-story and basement frame dwellings.
Owner—C. S. Allred, 159 Liberty St., San Francisco.
Architect—None.
Days work. $3000 each

FLATS
(219) NW CABRILLO AND EIGHTEENTH Ave. Two-story and basement frame (4) flats.
Owner—J. C. Thomas, 380 20th Ave., San Francisco.
Architect—None.
Days work. $14,500

DWELLING
(222) NW TWELFTH AVE AND FULTON Sts. Two-story and basement frame dwelling.

Owner—Wm. Loewe.
Architect—E. A. Neumarkel, 544 Market St., San Francisco.
Contractor—Wm. Martin, 180 Jessie St., San Francisco. $8000

RECORDED

DWELLING
(224) E BRODERICK 137-6 N Filbert All work for one and one-half-story 5-room frame dwelling.
Owner—Nellie B. Pike and Katherine G. Pike, 1233 Taylor St., S. F.
Plans by Contractor.
Contractor—W. W. Rednall, 2500 Filbert St., San Francisco.
Filed Jan. 18, '22. Dated Jan. 12, '22.
Frame up and roof on.....$1430
1st coat mortar on..... 1435
Completed 1430
Usual 35 days..... 1435
TOTAL COST, $5730
Bond, $2865. Sureties, W. P. Holmes and ———. Limit, 100 days. Forfeit, $3. Plans and specifications filed.

FRAME FLATS
(225) N CABRILLO bet. 14th and 15th Aves. All work except painting for two two-story frame buildings (2) flats each.
Owner — F. P. Hart, 937 Dolores St., San Francsico.
Architect—Geo. E. Ralph, 232 Post St., San Francisco.
Contractor—Folke Monson, 127 15th St. San Francisco.
Filed Jan. 18, '22. Dated Jan. 17, '22.
NOTE—Permit also applied for today
Roof on $4000
White coate d..... 4000
Standing finish on..... 4000
Completed and accepted..... 4125
Usual 35 days..... 5375
TOTAL COST, $21,500
Bond, $10,250. Sureties, O. Monson and Chas. Monson. Limit, Apr. 30, 1922. Forfeit, none. Plans and specifications filed.

DWELLING
(226) E TWENTY-FOURTH AVE 275 N Clement. All work for a 5-room bungalow.
Owner—W. Crawley, 2302 Clement St., San Francisco.
Architect—None.
Contractor—Teodore G. and Rollin E. Meyer, 5326 Geary St., S. F.
Filed Jan. 18, '22. Dated Dec. 28, '21
Frame up $1075
Brown coated 1075
Completed and accepted... ... 1075
Usual 35 days..... 1075
TOTAL COST, $4300
Bond, surety, none; limit, 90 days; forfeit, none. Plans and specifications filed.

RESIDENCE
(227) N HEARST 150 W Edna. One-story and basement frame residence.
Owner—Giacomo Ferrero, 440 Chestnut St., San Francisco.
Architect—None.
Days work. $2500

FLATS
(228) N AMAZON 30 E Edinburg. Two-story and basement frame (2) flats.
Owner—Giacomo Calugli.
Architect—J. C. Hladik, Monadnock Bldg., San Francisco.
Contractor—Ernest Swanson, 180 Jessie St., San Francisco. $4000

ALTERATIONS
(232) NO. 4434 TWENTY-FIFTH ST Remove roof and add 4 rooms for (2) flats.
Owner—Mrs. R. A. Crothers. Premises
Architect—None.
Day's work. $2500

RECORDED

OFFICE BUILDING
(233) SW BUSH AND SANSOME, frontage of 206-3 on S Bush and frontage of 137-6 on W Sansome. Hollow metal trim and doors for class A office building.
Owner—Standard Oil Co.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—Dahlstrom Metallic Door Co., Hearst Bldg., San Francisco.
Filed Jan. 19, '22. Dated Nov. 7, '21
Monthly payments 75%
Usual 35 days.....25%
TOTAL COST, $187,604
Bond, $187,604; surety, United States Fidelity & Guaranty Co.; limit, Dec. 1, 1922; forfeit, $100. Plans and specifications filed.

ALTERATIONS
(234) N MARKET 38-4 W Kearny 52-3½ on Market and extending through to Geary with frontage on Geary of 73-3¼. Marble work for alterations to building.
Owner—The Bank of Italy.
Architect—Chas. E. Gottschalk, Phelan Bldg., San Francisco.
Contractor—The Mission Marble Works 363 Guerrero St., San Francisco.
Filed Jan. 19, '22. Dated Jan. 9, '22
Payments 1st each month.....75%
Usual 35 days.....25%
TOTAL COST, $15,000
Bond, $7,500; surety, Fidelity and Deposit Co. of Maryland; limit, as fast as possible; forfeit, none. Plans and specifications filed.

FRAME BLDG.
(235) N AMAZON AVE 25-3 E Edinburg N to pt. E 65 S 47 m or l W to beg. All work for one-story and basement frame building.
Owner—Giacomo Carugli, 5100 Mission St., San Francisco.
Architect—J. C. Hladik, 110 Sutter St., San Francisco.
Contractor—Ernest Swanson, 180 Jessie St., San Francisco.
Filed Jan. 19, '22. Dated Jan. 16, '22.
Roof on $1050
Plaster finished 1050
Completed and accepted..... 1050
Usual 35 days..... 1050
TOTAL COST, $4200
Bond, $3500. Sureties, B. Milano and W. F. Cody. Limit, 90 days. Plans and specifications filed.

APARTMENTS
(236) E VAN NESS AVE 60 S Green 27-6x94-5. All work for three-story apartment house.
Owner—Louise Thomas.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Contractor—Kincanon & Perego, 159 Sutter St., San Francisco.
Filed Jan. 19, '22. Dated Jan. 16, '22.
On recordation of deed to Louise Thomas $10,000
20 days after date of contract 2,500
Roof on 4,500
Brown coated 4,500
Completed and accepted..... 6,500
Usual 35 days..... 4,500
TOTAL COST, $32,500
Bond, none. Limit, 120 days after Jan. 17. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Jan. 19, 1922—W TWENTY-SEVENTH Ave 100 N Geary N 25xW 120. Jacob L Rapheld to F A Legault .....Jan 19, 1922
Jan. 19, 1922—W TWENTY-SEVENTH Ave 125 N Geary N 25xW 120. Gideon B Zemansky to F A Legault.....Jan. 19, 1922
Jan. 19, 1922—W THIRTY-SIXTH Ave 100 N Cabrillo N 25xW 100. John J Pratt to whom it may concern, ...Jan. 18, 1922
Jan. 19, 1922—W POLK bet. California and Sacramento. Bank of Italy to Barrett & Hilp.....Jan. 6, 1922
Jan. 19, 1922—E THIRTY-NINTH Ave 178 N Cabrillo N 52xE 120. Darwin O Reinhold to whom it may concern.....Jan. 19, 1922
Jan. 19. 1922—SIXTEENTH AND Harrison. Southern Pacific Co to Fay Improvement Co....Jan. 11, 1922
Jan. 19, 1922—S GEARY 32-6 E 16th Ave 25x120. G E Watson to whom it may concern.....Jan. 14, 1922
Jan. 18, 1922—LOT 19 BLK 3113. Westwood Park. Edith Schwab to Nelson Brothers.....Jan. 10, 1922
Jan. 18, 1922—W SECOND AVE 231-11⅞ S Cabrillo S 29xW 120. Richard Tobin to Costello Bros..... .....Jan. 16, 1922
Jan. 18, 1922—E BRYANT 93-4 N 26th N 23-4xE 100. Wm H Clifford to whom it may concern.Jan. 18, '22
Jan. 18, 1922—E MONTGOMERY 67 S Bush S 20 E 77-6 S 67 E 60 N 154 W 60 S 67 W 77-6. California Pacific Realty Co to The Neal Co. .....Jan. 17, 1922
Jan. 18, 1922—N GEARY 137-6 E Jones E 28xN 62-6. Carlo Matrala to The Mission Concrete Co..... .....Jan. 14, 1922
Jan. 18, 1922—S PACIFIC 68-9 E Larkin E 63-9xS 137-6. H Dragon Co to J Spargo.....Jan. 17, 1922
Jan. 18, 1922—E FORTY-SIXTH AVE 200 N Fulton N 25xE 120; E 46th Ave 225 N Fulton N 25xE 120. John Harder to whom it may concern... .....Jan. 16, 1922
Jan. 18, 1922—S BROADWAY 137-6 W Grant Ave W 34-4½xS 137-6. G Capurro to Giovanni Pousero..... .....Jan. 14, 1922
Jan. 17, 1922—E MONTGOMERY 67 S Bush S 20 E 77-6 S 67 E 60 N 154 W 60 S 67 N 77-6. California Pacific Realty Co. to Atlas Heating & Ventilating Co., Percy Metal Works, Butte Electrical Equipment Co., Jos. Musto Sons, Keenan Co. and White & Gloor.....Jan. 9, 1922
Jan. 17, 1922—NE FIRST 275 SE Market SE 91-8xNE 137-6. Norris K Davis and Merc. Trust Co, Trs Estate Horace Davis dec'd to whom it may concern..Dec. 12, 1921
Jan. 17, 1922—SW CALIFORNIA & Commonwealth Ave 46x95. H C Keenan to whom it may concern.. .....Jan. 17, 1922
Jan. 17, 1922—E TWENTY-THIRD Ave 225 S Balboa S 25xE 120. Harry M Michelson to Barrett & Hilp, Peter Bradley, Wm P Goss, Pacific Mfg Co, Scott Co, Western Builders Supply, Palace Hardware Co, Fuller & Goepp, Geary Floor Co, A C Robella, Wm Heidenrick, A Peranio and H S Tittle.Jan. 16, '22
Jan. 17, 1922—E MONTGOMERY 67 S Bush S 20 E 77-6 S 67 E 60 N 154 W 60 S 67 W 77-6. California Pacific Realty Co to Alex Coleman and Wm G Gilmour.....Jan. 9, 1922
Jan. 16, 1922—E KANSAS 75 N 20th 25x100. Peter Goyton to Wm H Grahn .....Dec. 17, 1921
Jan. 16, 1922—S SUTTER 70-6 W Mason W 67 S 127-6 E 20 N 40 E 47 N 87-6. Laurence A Myers to O W Britt..... .....Jan 16, 1922
Jan. 16, 1922—W DOLORES 76-6 S Duncan S 25xW 100. Margaret P Daly to whom it may concern... .....Jan. 12, 1922
Jan. 14, 1922—SE GEARY & FUNSton Av 25x82-6. O M Oyen and P Milbust to whom it may concern .....Jan. 12, 1922
Jan. 14, 1922—WESTWOOD PARK ptn lots 11 and 12 blk 313.S. Hans and Esther Nelson to Nelson Bros .....Jan. 11, 1922

Jan. 14, 1922—LOTS 10 AND 11 BLK 3138 Westwood Park. Hans and Esther E. Nelson to Nelson Bros. .....Jan. 11, 1922

Jan. 14, 1922—WESTWOOD PARK Lot 8and ptn 9 blk 3138. Hans and Esther Nelson to Nelson Bros..... .....Jan. 11, 1922

Jan. 14, 1922—WESTWOOD PARK ptn lots 9 and 10 blk 3138. Hans and Esther Nelson to Nelson Bros. .....Jan. 11, 1922

Jan. 14, 1922—N PACIFIC AVE 107-6 E Van Ness Ave E 69-3 N 127-8¼ W 39-3 S 36-0¼ W 30 S 91-8 to beg. Louis R. Lurie to F. L. Hansen .....Jan. 14, 1922

Jan. 14, 1922—E FUNSTON AVE 25 S Geary 25x82-6. A M Oyen and P Midbust to whom it may concern.....Jan. 14, 1922

Jan. 14, 1922—NW POST AND JONES John Rosenfeld's Sons to A J Reeder.....Jan. 3, 1922

Jan. 13 1922—E FORTY-FIRST AV 225 S Balboa S 25xE 120. Marie Petersen to whom it may concern .....Jan. 12, 1922

Jan. 13, 1922—W ASHBURY 75 S Fulton S 25x—. J J Bolger to whom it may concern..Jan. 12, 1922

Jan. 13, 1922—SE BAY AND MASON E 22-11xS 60. G B Delpino, Battista Toso & Stefano Breganti to whom it may concern.....Jan. 12, 1922

Jan. 13, 1922—E THIRTY-THIRD Ave 100 N Ulloa N 25x120; E 33rd Ave 125 N Ulloa N 25x120; E 33rd Ave 150 N Ulloa N 25x120. Parkside Realty Co to whom it may concern.....Jan. 12, 1922

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

Jan. 19, 1922—N CLAY 115 E Fillmore No. 2470 Clay. H A Norman (as F C Norman & Sons) vs Harry Williams $194.50

Jan. 14, 1922—S RUSSIA AVE 50 E Vienna, No. 710 Russia Ave. Greater City Lumber Co. vs. T. Willer $45.20

Jan. 14, 1922—N SUTTER 167-3 W Van Ness W 57-6xN 120. J Steur vs Mendel Weisbleet $1000

Jan. 13, 1922—W SECOND AVE 300 S Balboa S 25xW 120. J E Higgins Lumber Co vs David Rodgers and Margaret Rodgers, W O Snell (as S F Hardwood Floor Co) $17.75

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount

Jan. 11, 1922—N ANZA 100 W 16th Ave W 50xN 100. J S Malloch to Maurice and Belle Aron..... $123

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Jan. 18, 1922—BLK BDED BY UNIversity, Wayland, Princeton and Woolsey Blk 74, Univ Md Roundey Realty Co as to improvements on property .....

Jan. 17, 1922—CLIFF HOUSE, fronting on Point Lobos Ave Chas W Sutro as to improvements on property .....

Jan. 17, 1922—SW NINETEENTH & York Chas H Lovell and Union Trust Co To Chas G Lathrop as to improvements on property .....

Jan. 13, 1922—NW GOLDEN GATE Ave & Larkin W 70xN 80 Mattie Boyd as to improvements on property .....

Jan. 13, 1922—1830 VAN NESS AVE United Motors Service Inc as to improvements on property.....

Jan. 13, 1922—SE MARKET 300 NE Fourth. Mary Hefferman as to improvements on property.....

BUILDING CONTRACTS

ALAMEDA COUNTY

$2,500 and Over Reported

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
150	Grauffel	McGuire	4000
153	Dewell	Owner	9000
154	Thompson	Squires	1500
156	Stanley	Owner	3500
157	Hassler	Cal	12500
159	Ziegler	Jensen	3800
162	Sparhawk	Owner	3400
163	Conducci	Valleroy	3700
164	Fredricksen	Owner	4000
165	U. of C.	Turner	11120
166	Same	Turner	6214
167	Same	O'Mara	6444
168	Abbey	Vaughn	3400
171	Smith	Woodard	12000
172	Moyle	Blabon	2250
173	Cahill	Cahill	34000
174	Barklay	Johanson	1200
175	Porter	Murch	15562
176	Porter	Texdahl	7935
178	Porter	Thomsen	3770
180	Porter	Berkeley	1321
181	Porter	Bond	1950
184	Brown	Bettencourt	2500
185	Bredefalt	Owner	2500
187	Bkly Bd. Ed	Various	43000
191	Quigley	Owner	3500
192	Quigley	Owner	4500
196	Chinochio	Owner	4500
198	Poe	Ramon	3000
200	Kahn	Kulcher	3000
201	Reed	Linquist	10,000
205	Y. M. C. A.	Leiter	2500
210	Lind	Owner	4500
211	Kelley	BMooker	3000
212	Booker	Owner	3000
213	Ptrang	Owner	9000
214	Kehrlein	Kennedy	10000
215	Hays	Rankin	3200
216	Graham	Ownr	2500
217	Wheatley	S. F. Oven	2200
220	May	Brown	5500
221	Gigax	Owner	2500
224	Seroni	Pord	6000
226	Hayes	Bissell	7000
227	Karpoe	Owner	2500
228	Seroni	Pond	5600
229	Prince	Diggs	7500
230	Lange	Morris	5000
233	Noble	Owner	3800
234	Noble	Owner	3500
235	Bredhoff	Fish	10500
236	Klyer	Howland	3500
237	Hurtig	Person	3500
238	Sonnenby	Broadhead	6500
239	Spanggard	Henderson	3000
240	Marquis	Owner	3500
245	Jahniger	Owner	2600
246	Isaacs	Owner	3750
247	Isaacs	Owner	3750
248	Norris	Owner	2500
251	Hodes	MacGregor	1000
252	Larmer	Owner	1000
254	Brazler	Owner	2500
255	Mayer	Howell	2575
258	Gier	Stolte	8500
259	Brown	Stenbro	9000
260	Pfrang	Owner	5000
262	Durant	Scott	18400
263	Durant	Mangrum	29493
264	Moulin	Clarke	5260

PERMITS

DWELLING

(150) NO 1411 HOLLY ST. Berkeley. One-story 6-room dwelling.
Owner—Anna Grauffel, San Francisco.
Architect—None.
Contractor—Chas. McGuire, 218 Josephine Ave., San Francisco. $4000

DWELLING

(153) NO 830 SANTA BARBARA RD Berkeley. Two-story 7-room dwelling.
Owner—H. D. Dewell, 1100 Scenic Ave., Berkeley.
Architect—Jos. J. Rankin, San Francisco.
380ephlsS(pf8fhDG6 cmfwyphrdlu
Architect—None.
Day's work. $9000

DWELLING

(155) S E-THIRTY-FOURTH 200 E Park Blvd., Oakland. One-story 4-room dwelling.
Owner—Frank Jenkins, Plaza Bldg., Oakland.
Architect—None.
Contractor—J. F. Chambers, Plaza Bldg., Oakland. $3500

DWELLING

(156) N FOOTHILL BLVD 100 E 47th Ave., Oakland. One-story 6-room dwelling.
Owner—J. N. Stanley, 1476 45th Ave., Oakland.
Architect—None
Day's work. $3500

APARTMENTS

(157) N FORTY-FOURTH 380 E Telegraph Ave., Oakland. Two-story 16-room apartments.
Owner—Theresa Hassler, 1534 Franklin St., Oakland.
Architect—None.
Contractor—California Builders Co., 1534 Franklin St., Oakland. $12,500

DWELLING

(159) N FIFTY-NINTH 370 E Idaho, Oakland. One-story 5-room dwlg
Owner—Mrs Carrie Ziegler.
Architect—None.
Contractor—Jensen & Petersen, 3441 Adeline St., Oakland. $3800

DWELLING

(162) N SIXTY-SECOND 270 W Colby, Oakland. One-story 6-room dwelling.
Owner—E. E. Sparhawk, 2952 College Ave. Berkeley.
Architect—None.
Day's work. $3400

DWELLING

(163) W THIRTY-FIFTH AVE 210 S E-14th, Oakland. Two-story 5-room dwelling
Owner—A. B. Conducci, 35th Ave. and E-14th St., Oakland.
Architect—None
Contractor—H. L. Valleroy, 3636 Maple Ave., Oakland $3700

DWELLING

(164) E VERMONT 42 N Prince, Oakland. One-story 6-room dwelling
Owner—Karl S. Fredricksen, 542 Montclair Ave., Oakland.
Architect—None.
Day's work $4000

RECORDED

PLUMBING

(165) UNIVERSITY GROUNDS, Berkeley Plumbing for Student Union Building
Owner—Regents of the University of California
Architect — John Galen Howard, 1st National Bank Bldg., S. F.
Contractor—The Turner Co., 272 Natoma St., San Francisco
Filed Jan. 12, '22. Dated Dec. 1, '21
Monthly payments of 75%
Usual 45 days 25%
TOTAL COST, $11,120
Bond, $5500. Surety, Fidelity & Deposit Co. Limit 120 days. Forfeit $50. Plans and specifications filed

(166) ELECTRIC WORK ON ABOVE
Contractor—The Turner Co., 272 Natoma St., San Francisco
Filed Jan. 12, '22. Dated Nov. 20, '21
Payments same as above .....
TOTAL COST, $6214
Bond, $3107. Surety, Globe Indemnity Co. Limit 90 days. Forfeit, $50. Plans and specifications filed

(167) HEATING ON ABOVE.
Contractor—J. E. O'Mara Co., 443 Minna St., San Francisco.
Fild Jan. 12, '22. Datd Dec. 27, '21.
Payments same as above.....
TOTAL COST, $6444
Bond, $3225. Surety, National Surety Co. Limit, 100 days. Forfeit, $50. Plans and specifications filed.

DWELLING
168) S AYALA 200 N 56th, Oakland. One-story 5-room dwelling.
Owner—John Abbey, 5618 Ayala, Oakland.
Architect—None.
Contractor—W .T. Vaughn, 381 51st, Oakland. $3400

FLATS
(171) E GRAND AVE. 50 S Weldon, Oakland. Two-story 16-room flats.
Owner—Mrs. E. R. Smith.
Architect—None.
Contractor—E. W. Woodard, 535 Merritt Ave., Oakland. $12000

DWELLING
(172) W SIXTIETH AVE. 40 S Scenic Way, Oakland. One-story 5-room dwelling.
Owner—Jas. Moyle, 2482 63rd Ave., Oakland.
Architect—None.
Contractor—E. R. Blabon, 2482 63rd Ave., Oakland. $2250

STORE AND LOFT
(173) SW SEVENTEENTH & TELEgraph, Oakland. Three-story concrete store and loft.
Owner—J. R. Cahill and A. S. Sbarboro, 110 Sutter St., San Francisco.
Architect—John Powers, 460 Montgomery St., San Francisco.
Contractor—Cahill Bros., 110 Sutter St, San Francisco. $34000

RECORDED

ALTERATIONS
(174) NO. 1804 GROVE, being ptn. Range 1 map Hardy Tract, Berkeley. Alterations.
Owner—Horatio F. Barklay.
Architect—None.
Contractor — Gustaf Johanson, 1357 Northside Ave., Berkeley.
Filed Jan. 14, '22. Dated Nov. 16, '21
Ready for brown coat.....¼
Plastered .....¼
Completed and accepted.....¼
Usual 35 Days.....¼
TOTAL COST, $1200
Bond, $600; surety, Sandra Johanson; limit, 60 days; forfeit, none. Plans and specifications, none.

STORES
(175) LOTS 1, 2, 3, 14 COLLEGE Homestead tract being SE cor. Bancroft Way and Shattuck Ave., Berkeley. Excavating, grading, concrete and reinforcing steel for one-story reinforced concrete and brick veneer stores.
Owner—Blanche L. Porter, Oakland.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor — Walter Murch, Federal Bldg., Oakland.
Filed Jan. 14, '22. Dated Jan. —, '22
1st and 15th day each month....75%
Usual 35 days.....25%
TOTAL COST, $15,562
Bond, surety, none; limit, as soon as possible, forfeit, none. Plans and specifications filed.

(176) CARPENTER, MILL AND Steel Work on above.
Contractor—C. Texdahl, 3035 Harper St., Berkeley.
Filed Jan. 14, '22. Dated Jan. 7, '22
1st and 15th day each month....75%
Usual 35 days.....25%
TOTAL COST, $7,935
Bond, surety, none; limit, as soon as possible; forfeit, none. Plans and specifications filed.

(177) PLUMBING AND SEWER WK. on above.
Contractor—A. Feldhammer, 1004 Park St., Alameda.
Filed Jan. 14, '22. Dated Jan. 6, '22
1st and 15th day each month....75%
Usual 35 days.....25%
TOTAL COST, $995
Bond, surety, none; limit, as soon as possible; forfeit, none. Plans and specifications filed.

(178) LATHING AND PLASTERING on above.
Contractor—John Thomsen, 5831 Occidental St., Oakland.
Filed Jan. 14, '22. Dated Jan. 6, '22
1st and 15th day each month....75%
Usual 35 days.....25%
TOTAL COST $3770
Bond, surety, none; limit, as soon as possible; forfeit, none. Plans and specifications filed.

(179) GLASS AND GLAZING on above
Contractor—W. P. Fuller & Co., 259 10th St., Oakland.
Filed Jan. 14, '22. Dated Jan. 6, '22
1st and 15th day each month....75%
Usual 35 days.....25%
TOTAL COST $2150
Bond, surety, none; limit, as soon as possible; forfeit, none. Plans and specifications filed.

(180) ELECTRIC WORK on above.
Contractor—Berkeley Electrical Co., 2142 Center St., Berkeley.
Filed Jan. 14, '22. Dated Jan. 6, '22
1st and 15th day each month....75%
Usual 35 days.....25%
TOTAL COST $1321
Bond, surety, none; limit, as soon as possible; forfeit, none. Plans and specifications filed.

(181) BRICK WORK on above.
Contractor—W. T. Bond, Oakdale.
Filed Jan. 14, '22. Dated Jan. 9, '22
1st and 15th day each month....75%
Usual 35 days.....25%
TOTAL COST $1950
Bond, surety, none; limit, as soon as possible; forfeit, none. Plans and specifications filed.

DWELLING
(184) E EVELYN 105 N Gilman, Berkeley. One-story 4-room dwelling
Owner—D. M. Brown, 916 Union St., Alameda.
Architect—None.
Contractor—Geo. J. Bettencourt, 1211 Evelyn Ave., Berkeley. $2500

DWELLING
(185) SE HOPKINS & CARLOTTA, Berkeley. One-story 6-room dwlg.
Owner—J. L. Bredehaft, 1620 Hopkins St., Berkeley.
Architect—None.
Contractor—Bredehaft & Kay, 1620 Hopkins St., Berkeley. $2500

SCHOOL
(187) NW ROSE AND SACRAMENTO, Berkeley. One-story 9-room school
Owner—Berkeley Board of Education.
Architect—H. H. Gutterson, 278 Post St., San Francisco.
Segregated contracts. $13,000

DWELLING
(191) W CARLTON AVE 50 Lerida, Oakland. One-story 5-room dwelling.
Owner—Chas. E. Quigley, 464 Van Buren Ave., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Days work. $3500

DWELLING
(192) SW CARLTON AND LERIDA, Oakland. One-story 5-room dwelling.
Owner—Chas. E. Quigley, 464 Van Buren Ave., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Days work. $4500

ALTERATIONS, ETC.
(195) NO. 633 FIFTY-THIRD, Oakland. Altering and addition.
Owner—Edmund O'Neil, premises.
Architect—None.
Contractor—S. G. Hankin, 712 Haddon Road, Oakland. $3000

DWELINGS
(196) S FORTY-SIXTH 200 W Grove, Oakland. Three one-story frame dwellings.
Owner—J. B. Chinochio, 465 Grove St., Oakland.
Architect—None.
Days work. $1500 each

DWELLING
(198) W NINTY-THIRD AVE. 300 S E-14th, Oakland. One-story 5-room dwelling.
Owner—Albert Pol, 1465 Auseon Ave., Oakland.
Architect—None.
Contractor—Martin Ramon, 2024 94th Ave., Oakland. $3000

ALTERATIONS
(200) SIXTEENTH, SAN PABLO AND Broadway, Oakland.
Owner—Kahn Bros.
Architect—None.
Contractor—S. Kulchar Co., 8th Ave. and E-10th St., Oakland. $3000

GARAGE
(201) S TWENTY-FIFTH 136 W Broadway, Oakland. One-story brick garage.
Owner—John L. Reed, 434 36th St., Oakland.
Architect—A. R. Johnson, 21 York Sa., Piedmont.
Contractor—F. L. Lindquist, 448 35th St., Oakland. $10,000

ALTERATIONS
(205) TWENTY-FIRST AND TELEgraph Ave., Oakland. Alterations
Owner—Y. M. C. A.
Architect—None.
Contractor—E. T. Leiter & Sons, 3601 West St., Oakland. $2500

DWELLING
(210) E SIERRA 290 S Madera, Berkeley. One-story 5-room dwelling
Owner—J. A. Lind, Premises.
Architect—None.
Day's work. $4500

DWELLING
(211) N ARKANSAS 340 E Peralta, Oakland. One-story 5-room dwlg.
Owner—W. H. Kelley, 584 17th St., Richmond.
Architect—None.
Contractor—L. A. and L. E. Booker, 583 5th St., Richmond. $3000

DWELLING
(212) N ARKANSAS 300 E Peralta Ave., Oakland. One-story 5-room dwelling.
Owner—L. A. & L. E. Booker, 583 5th St., Richmond.
Architect—None
Day's work. $3000

DWELLING
(215) NW BELGRAVE PLACE AND Carlton, Oakland. Two-story 7-room dwelling.
Owner—H. C. Pfring, 5659 Ocean View Drive, Oakland.
Architect—None
Day's work. $9000

OFFICE
(214) W BROADWAY 150 N Seventeenth, Oakland. One-story brick office.
Owner — Oliver Kehrlein, Franklin Theatre, Oakland.

Architect—None.
Contractor—F. T. Kennedy, 434 9th St., Oakland. $10,000

DWELLING
(215) W DANA 70 N 63rd, Oakland. One-story 5-room dwelling.
Owner—H. M. Hays, Portervlle, Cal.
Architect—None.
Contractor—J. L. Rankin, 6082 Claremont Ave., Oakland. $3200

DWELLING
(216) N E-SIXTEENTH 150 E Courtland Ave., Oakland. One-story 5-room dwelling.
Owner—C. H. Graham, 4228 E-16th St., Oakland.
Architect—None.
Day's work. $2500

DWELLING
(220) N EVANS AVE, 320 W Everett Ave., Oakland. One and one-half story 7-room dwelling.
Owner—S. L. May, 1534 4th Ave., Oakland.
Architect—None.
Contractor—Guy L. Brown, 2627 13th Ave., Oakland. $5500

DWELLING
(221) E FOURTEENTH AVE. 449 S 19th Ave., Oakland. One-story 5-room dwelling.
Owner—A. B. Gigax, 340 E-14th St., Oakland.
Architect—None.
Days work. $2500

DWELLING
(224) S MANDANA BLVD 152 E Portal Ave., Oakland. Two-story 6-room dwelling.
Owner—L. Seroni, 422 Battery St., San Francisco.
Architect—None.
Contractor—C. P. Pond, 1162 Ashmount Ave., Oakland. $6000

DWELLING
(226) N ROSEMONT ROAD 275 W Verada Road, Oakland. Two-story 8-room dwelling.
Owner—Mrs. K. M. Hayes, Caldwell Court Apts., Oakland.
Architect—None.
Contractor—G. A. Bissell, 1448 Jackson St., Oakland. $7000

DWELLING
(227) NO. 2317 ROSEDALE, Oakland. One-story 5-room dwelling.
Owner—Charles Karpoe, 2029 40th Ave., Oakland.
Architect—None.
Days work. $2500

DWELLINGS
(228) E SIXTY-SEVENTH AVE., 129-162 N E-14th St., Oakland. Two 1-story 5-room dwellings.
Owner—L. Seroni, 422 Battery St., San Francisco.
Architect—None.
Contractor—C. P. Pond, 1162 Ashmont Ave., Oakland. $2800 each

CANNERY
(229) SE TWENTY-SEVENTH AND E 11th St., Oakland. Five-story reinforced concrete cannery.
Owner—H. S. Prince Canning Co.
Architect—None.
Contractor—M. I. Diggs, Easton Bldg., Oakland. $7500

STORES
SE BANCROFT WAY AND SHATTUCK Ave., Berkeley. One-story concrete and brick stores.
Owner—Blanche L. Porter, 242 Sheridan St., Berkeley.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Segregated contracts. $38,000

DWELLING
(230) NO. 1316 BAY ST., Alameda. One-story 7-room dwelling.
Owner—C. W. Langle, 1522 Paru St., Alameda.
Architect—None.
Contractor—S. Morris, 1424 Jefferson St., Oakland. $5000

DWELLING
(233) NO. 1013 PEARL ST., Alameda. One-story 6-room dwelling.
Owner—Geo. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Days work. $3800

DWELLING
(234) NO. 1021 PEARL ST., Alameda. One-story 5-room dwelling.
Owner—Geo. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Days work. $3500

DWELLINGS
(235) NO. 3100, 3104 AND 3106 SAN Jose Ave., Alameda. Three 1-story 5-room dwellings.
Owner—Riechel & Bredhoff, 2509 Clement Ave., Alameda.
Architect—None.
Contractor—M. H. Fish, 1338 Fountain St., Alameda. $3500 each

DWELLING
(236) N BLAKE 340 W Grove, Berkeley. One-story 5-room dwelling.
Owner—Mrs. Klyer.
Architect—None.
Contractor—H. Howland, 3816 San Juan St., Berkeley. $3500

DWELLING
(237) W EDITH 100 N Cedar, Berkeley. One-story 5-room dwelling.
Owner—G. E. Hurtig, 1536 Edith St., Berkeley.
Architect—None.
Contractor—Emil Person, 1023 54th St., Berkeley. $3500

DWELLING
(238) E ETNA 100 S Dwight Way, Berkeley. Two-story 6-room dwelling.
Owner—S. Sonnenby, 2208 Channing Way, Berkeley.
Architect—None.
Contractor—F. Broadhead, 861 57th St., Oakland. $6500

DWELLING
(239) W GROVE 68 S Carlton, Berkeley. One-story 5-room dwelling.
Owner—Mrs. J. A. Spanggard, Grove and Carlton, Berkeley.
Architect—None.
Contractor—E. F. Henderson, 5744 Keith Ave., Oakland. $3000

DWELLING
(240) S MONTEREY 200 E Alameda, Berkeley. One-story 5-room dwelling.
Owner—P. E. Marquis, 1023 Oxford St., Berkeley.
Architect—None.
Days work $3500

ADDITION
(245) NO. 2228 MYRTLE, Oakland Addition.
Owner—A. A. Jahniger, premises.
Architect—None.
Days work. $2600

DWELLING
(246) N MODESTO AVE. 440 E Fleming, Oakland. One-story 5-room dwelling.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Days work $3750

DWELLING
(247) S MODESTO AVE 440 E Fleming, Oakland One-story 5-room dwelling.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLING
(248) E SIXTY-SECOND 470 S E-14th Oakland. One-story 4-room dwlg.
Owner—Justus Norris, 423 Hill Lane, Oakland.
Architect—None.
Day's work. $2500

DWELLING
(251) LOT 20 NOVA, Piedmont. Two-story frame dwelling and garage.
Owner—Henry A. Hodes.
Architect—C. M. MacGregor, 410 13th St., Oakland.
Contractor—C. M. MacGregor, 410 13th St., Oakland. $4000

DWELLING
(252) NO. 224 HIGHLAND AVE., Piedmont. Two-story frame dwelling and garage.
Owner—E. W. Larmer, 470 Boulevard Way, Berkeley.
Architect—None.
Days work. $4000

DWELLING
(254) E EDITH 150 S Vine, Berkeley. One-story 5-room dwelling.
Owner—Jas. W. Brazier, 1912 Blake St., Berkeley.
Architect—None.
Days work. $2500

DWELLING
(255) NO. 1224 OREGON, Berkeley One-story 5-room dwelling.
Owner—Mrs. F. J. Mayer, 1825 Vine St., Berkeley.
Architect—None.
Contractor—Wm. L. Howell, 4064 Agua Vista St., Oakland. $2575

DWELLING
(258) NW MITCHELL AND EAST Fourteenth St., Oakland. One-story 9-room, 3 family dwelling.
Owner—Theo. Gier.
Architect—None.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland. $8500

DWELLINGS
(259) N HOPKINS 85, 100 and 145 W Woodruff, Oakland. Three 1-story 5-room dwellings.
Owner—C. F. Brown.
Architect—None.
Contractor—A. Stenbro, 3842 Laguna Ave., Oakland. $8000 each

DWELLING
(260) N ROCKBRIDE BLVD. 500 E Broadway. One and one-half story 6-room dwelling.
Owner—C. J. Pfrang, 480 Forest St., Oakland.
Architect—None.
Days work. $5000

RECORDED

FACTORY BLDG.
(262) NE E. FOURTEENTH ST. and NW Stanley Road NW 781.80 NE 1032.49 SE 780.90 SW 1031.69, Oakland. Plumbing for two-story and basement reinforced concrete factory.
Owner—Durant Motor Co. of Cal. through Agent P. J. Walker Co. Monadnock Bldg., San Francisco.
Architect—None.
Contractor—Scott Co.
Filed Jan. 19, '22. Dated Jan. 17, '22
10th day each month.....75%
Usual 35 days.....25%
TOTAL COST, $18,400
Bon. $9,200; surety, New Amsterdam Casualty Co.; limit, 120 days; forfeit, none. Plans and specifications filed.

(268) HEATING ON ABOVE
Contractor—Mangrum & Otter, Inc., 327 Mission St., San Francisco.

Filed Jan. 19, '22. Dated Jan. 18, '22
10th of each month.....75%
Usual 35 days.....25%
TOTAL COST, $29,493
Bond, $14,747; surety, National Surety Co.; litmit, 120 days; forfeit, none. Plans and specifications filed.

GARAGE
(264) S FOOTHILL BIVD. 73 W Seminary Ave. W 40x62, Oakkland. One-story tile garage.
Owner—Lenore C. Moulin, 145 Buena Vista Terrace.
Architect—None.
Contractor—D. Clarke and James Allen 5805 Harmon Ave., Oakland.
Filed Jan. 19, '22. Dated Jan. 19, '22
Roof boards on.....¼
Roof completed .....¼
Completed and accepted.....¼
Usual 35 days.....¼
TOTAL COST, $5260
Bond, surety, none; limit, 60 days; forfeit, $5.00 day. Plans and specifications filed.

DWELLING
N LONGRIDGE ROAD 450 E Rosemont. Oakland. Two-story 8-room dwelling
Owner—J. J. Willendor, 2400 Grove St., Oakland.
Architect—Schirmer & Bugbee, Thayer Bldg., Oakland.
Contractor—E. Tranmal, 483 Crescent St., Oakland. $8625

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
Jan. 19, 1922—NO. 4716 FOOTHILL Blvd., Oakland. E G Stanley Estate by J A Stanley to J A Stanley.....Jan. 16, 1922
Jan. 19, 1922—W THIRTY-FIFTH Ave 130 S E-14th S 40x120, Okd. Lillie D Wilbur to Dunakin & Wilbur .....Jan. 18, 1922
Jan. 17, 1922—DIANA ST. AND ALLston Way, Berkeley. Pacific Unitarian School for Ministry to W. Heidt Cornice Works.Dec. 23, 1921; Carl T. Doell, Jan. 7, 1922; Wm. Makin.....Jan. 7, 1922
Jan. 18, 1922—E SAN PABLO AVE. 200.70 N Alcatraz Ave E 126.08 N 85.16 W 130.93 S 51.30, Oakland. Alma L Blankhead to whom it may concern.....Jan. 3, 1922
Jan. 18, 1922—NO. 2811 CLAREmont Blvd., Berkeley. Fletcher and Rhoda Howell Ames to Walter Sorensen.....Jan. 17, 1922
Jan. 18, 1922—NO. 881 CONTRA Costa Ave., Bkly. Clare N Van de Mark to Hans A Hansson.....Jan. 14, 1922
Jan. 18, 1922—S PACIFIC AVE 300 E Chestnut E 50xS 145, Alameda. L Picetti to L Santos....Jan. 6, 1922
Jan. 17, 1922—707 E-FOURTEENTH San Leandro. H Roswall to H Elmer Johnson.....Dec. 15, 1921
Jan. 16, 1922—W FORTY-FIFTH AV 58-6 S Melrose Ave S 30 W to Courtland Ave., Oakland. E O Francis to whom it may concern.....Dec. 28, 1921
Jan. 16, 1922—W ALICE 1058 N 13th N 156xW150, Oakland. Auto Palace Garages formerly Service Garage Co. Inc to W T Baker...Jan. 10, 1922
Jan. 16, 1922—LOT 10 BLK "H" Tuohy's 2nd Addition to Berkeley. Inez S Ross to whom it may concern .....
Jan. 14, 1922—W OHIO 300 N Cottage W 100xN 50, Oakland. Louise A Leonard to whom it may concern .....Jan. 14, 1922
Jan. 14, 1922—LOT 13 Map Piedmont by-The-Lake, Oakland. Henry W Haler to whom it may concern.....Jan. 14, 1922
Jan. 13, 1922—TWENTY-FIRST AND Grand Ave W Webster St., 185 approx., Oakland. Irene M Roos by Geo H Roos to MacDonald & Kahn.....Jan. 7, 1922
Jan. 13, 1922—N RICH 65 W Webster, Oakland. Godfrey Mezirka to Jos F Rogers.....Jan. 3, 1922
Jan. 13, 1922—LOT 14 and S 10 Lot 15 Blk "I" Map Broadway Terrace, Oakland. Adolph Morgensen to whom it may concern..Jan. 33, 1922
Jan. 13, 1922—S ENCINAL AVE 33 E.. Mound E 33xS 90, Alameda. Lorenzo Vallergs to whom it may concern .....Jan. 10, 1922

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
Jan. 14, 1922—SW E-TWENTY-First 290 SE 5th Ave SE 40xSW 125, Oakland. Thos F Rigney (Rigney Tile Co) vs W and Amelia Henry $46.50
Jan. 13, 1922—LOT 29 BLK 17 Map Lakeshore Highlands, Oakland. J F Ellis (National Roofing Co) vs F N Strang and O Newlander.....$120

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount
Jan. 17, 1922—PTN LOTS 10 AND 11 Blk 16, Lakeside Sbdvn Adams Point Ppty, Oakland. A Severy to D F and A G Burnett.....$310

Notice of Non-Responsibility

ALAMEDA COUNTY

Jan. 17, 1922—W HARRISON 549 N 14th N 97xW 150, Oakland. Cross Investment Co as to improvements on property .....
Jan. 14, 1922—NE 10 LOT 33, all Lot 34 and SW 20 Lot 35 Blk 3, Map Key Route Heights, Oakland. Alameda Investment Co as to improvements on property.....

HOMESTEADS

ALAMEDA COUNTY

Jan. 19, 1922—NE LIBERTY AVE 860 SE High SE 39xNE 115, Alameda. Axel O Norling to whom it may concern $5000
Jan. 19, 1922—W HARLAN 141-9 N Peralta N 26xW 135, Oakland. Anna Biscop (wf Andrew) $1200
Jan. 17, 1922—SE 5 LOT 31 and NW 30 Lot 30 and Ptn Lots 20 and 21. Map Hogan's Subdivision Map Blk 87, Highland Park, Oakland. Ira J and Etta C Prather.....$5000
Jan. 17, 1922—E GRAND 145 N Central Ave N 32-6 E 150 S 27-6 W 100 S 5 W 50, Alameda. David J Clark $4500
Jan. 14, 1922—S ADDISON 80 E Acton E 44xS 135, Berkeley. August Hoffer $6000
Jan. 13, 1922—W BRUSH 50 N 18th N 50xW 100, Oakland. Thomas Califro $5000
Jan. 13, 1922—E BRAY AVE 387.02 N E-14th E 150xS 41, Oakland. Elizabeth Ironmonger $5000

BUILDING CONTRACTS

SANTA CLARA COUNTY

$1,000 and Over Reported

COTTAGE
HUMBOLDT ST. near First, San Jose. Four-room cottage.
Owner—Frank Hemandez.
Architect—None.
Day's work. $2300

FRAME COTTAGE
SAN JOSE. All work for one-story frame cottage.
Owner—Frank and Annie Hernandez.
Architect—None.
Contractor—A. J. Nielsen, 156 S-20th St., San Jose.
Filed Jan. 12, '22. Dated Jan. 7, '22.
Frame in place and all plates on $507.60
1st coat plaster on..... 507.56
Building completed 507.56
30 days after..... 507.56
For old lumber..... 170.00
TOTAL COST, $2200.00
Bond, none. Limit, 60 working days from Jan. 10, 1922. Forfeit, none. Plans and specifications filed.

DWELLING
S COLERIDGE AVE. between Webster street and Middlefield Road, San Jose. All work for two-story 7-room frame dwelling.
Owner—Mary A. Connolly, San Francisco.
Architect—None.
Contractor—W. S. Couter, Palo Alto.
Filed Jan. 9, '22. Dated Dec. 12, '21.
Frame up $1500
Building ready for plastering.. 1500
When completed 1500
Usual 35 days..... 1500
TOTAL COST, $6000
Bond, $3000. Sureties, Agnes E. Couter and Anton Prusa. Limit, 100 working days from Dec. 12, 1921. Forfeit, $10. Plans and specifications filed.

SYCAMORE TRACT NO. 2, San Jose. All work for bungalow.
Owner—A. A. Zolezzi, Hawthorne and San Pedro Sts., San Jose.
Architect—Herman Krause, Bank of San Jose Bldg., San Jose.
Contractor—H. A. Bridges, Pine and Lincoln Sts., San Jose.
Filed Jan. 12, '22. Dated Jan. 6, '22.
Frame work completed..... ¼
Brown coat plaster on..... ¼
Completion of building..... ¼
Usual 35 days..... ¼
TOTAL COST, $5575
Bond, $2800. Sureties, W. A. McDonald and A. B. Ross. Limit 90 working days from Jan. 12, 1922. Forfeit, $10 a day. Plans and specifications filed.

BUNGALOW
SAN JOSE. All work except excavations and grading for frame bungalow and garage.
Owner — F. L. Bruch, 791 Bird Ave., San Jose.
Architect—None.
Contractor—Wesley W. & T. C. Hastings, 524 E-St. James St., San Jose.
Filed Jan. 10, '22. Dated Jan. 10, '22.
Frame up $1195.40
Brown mortar on..... 1195.40
Completed and accepted.... 1195.40
Usual 35 days..... 1195.40
TOTAL COST, $4781.60
Bond, limit, forfeit, none. Plans and specifications filed.

COTTAGE
TWENTY-FIFTH ST. near St. John, San Jose. Four-room cottage.
Owner—W. J. Charles, 24th and Williams St., San Jose.
Architect—None.
Day's work. $1950

COTTAGE
S SEVENTH near Bestor, San Jose. Five-room cottage.
Owner—Eye Johnson.
Architect—H. Higbie, Porter Bldg., San Jose.
Contractor—Geo. W. Dobson, 347 S-Third St., San Jose. $3040

ALTERATIONS
NO. 138 S-FIRST ST., San Jose. Alterations.

Owner—D. Samuels Lace House.
Architect—None.
Contractor—G. M. Latta, 95 Viola St., San Jose. $1500

COTTAGE
THIRTY-FOURTH ST. near Santa Clara, San Jose. Four-room cottage.
Owner—S. K. Jensen.
Architect—J. W. Forward.
Contractor — J. W. Forward, Brokaw Road, San Jose. $1975

COTTAGE
COR. OAK AND STATE STS., San Jose Four-room cottage.
Owner—Frank Vita, 101 Oak St., San Jose.
Architect—None.
Day's work. $1250

COTTAGE
REED AND FOURTH STS., San Jose. Four-room cottage.
Owner—Mrs. E. Smith.
Architect—None.
Contractor — H. R. Sherman, 670 S. 10th St., San Jose. $1200

ADDITION
SECOND AND S. P. R. R., San Jose. Addition.
Owner—Security Cold Storage.
Architect—None.
Day's work. $3500

COTTAGE
WILLIS ST. near Brown, San Jose. Three-room cottage.
Owner—F. C. La Rue.
Architect—None.
Day's work. $2000

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Jan. 14, 1922—HANCHETT RESIdence Park, San Jose. Sophia H Hirst to A K Burkett...Jan. 13, 1922
Jan. 16, 1922—San Jose. Geo W Humphrey to whom it may concern .....Jan. 14, 1922
Jan. 12, 1922—MT. VIEW, Cal. Thomas Watts to whom it may concern.....Jan. 5, 1922
Jan. 10, 1922—STANFORD UNIVERSity, Cal. Gertrude M. Gardiner to The Minton Co.....Jan. 2, 1922
Jan. 11, 1922—SAN JOSE, Cal. William F. Serpa to E. E. Weldon .....Jan. 10, 1922
Jan. 11, 1922—SAN JOSE, Cal. M. L. Chandler to whom it may concern .....Jan. 1, 1922
Jan. 11, 1922—955 McKENDRIE ST., San Jose, Cal. Mary C. Ledyard to H. P. Ledyard.....Jan. 10, 1922

LIENS FILED

SANTA CLARA COUNTY.

Recorded Amount
Jan. 12, 1922—LOT NO. 4 in BLK 1 of C. H. Caldwell Subd, Los Gatos. C. E Bacon vs. Antonio Vivaldo and Celestine Vivaldo.....$865.42
Jan. 12, 1922—LOT NO. 4 in BLK 1 of C. H. Caldwell subd, Los Gatos. George Lewis vs. C. E. Bacon, Antonio Vivaldo and Celestine Vivaldo $249.60
Jan. 12, 1922—LOT NO. 4 in BLK 1 of C. H. Caldwell subd, Los Gatos. Pacific Manufacturing Co. vs. C. E. Bacon, Antonio Vivaldo and Celestine Vivaldo $200.25

BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 and over Reported

DWELLING
NO. 1528 THIRTY-FIFTH ST., Sacramento. One-story 5-room dwelling
Owner—Thos. B. Hunt, 2926 S St., Sacramento.
Architect—None.
Day's work. $2750

DWELLING
NO. 606 TWENTY-SIXTH ST., Sacramento. One-story 5-room dwelling.
Owner—H. M. Earle, 2618 M St., Sacramento.
Architect—None.
Day's work. $3500

FRAME FLATS
NO. 621 TWENTY-SECOND ST., Sacramento. Two-story frame (4) flats.
Owner—Mr. and Mrs. Chas. J. Bonath, 515 16th St., Sacramento.
Architect—None.
Contractor—G. E. Harvie, 2212 T St., Sacramento. $12,000

BUILDING
LOT 4, M, N, 1st and 2nd Sts., Sacramento. Building.
Owner—Capitol Fire Insurance Co.
Architect—None.
Contractor—McGillivray Constr. Co.
Filed Jan. 10, '22. Dated Dec. 19, '21. $53,375

SCHOOL
EAST-SACRAMENTO SCHOOL on Blk K, L, 35th and 36th Sts., Sacramento. Two-story concrete and brick school.
Owner—Sacramento School District.
Architect—Hemmings-Hudnutt & Petersen, City Library Bldg., Sacramento.
Contractor—Wm. Murcell, Ochsner Bld. Sacramento. $239,060

DWELLING
NO. 4000 T ST., Sacramento. One-story 5-room dwelling and garage.
Owner—A. R. Jacks.
Architect—None.
Contractor—J. W. Brown, 3410 38th St., Sacramento. $3350

DWELLING
NO. 917 SEVENTH AVE., Sacramento. One-story 4-room dwelling.
Owner—Paul Opdyke.
Architect—None.
Day's work. $2500

DWELLING
NO. 2112 G ST., Sacramento. Two-story four-room dwelling.
Owner—M. Ferrari, 1114 8th St., Sacramento.
Architect—None.
Contractor—W. R. Saunders, 2611 I St., Sacramento. $14,500

DWELLINGS
NO. 4400 ELEVENTH ST., and No. 1657 12th Ave. Sacramento. Two one-story four-room dwellings.
Owner—W. E. Tralnor, 813 J St., Sacramento.
Architect—None.
Contractor—S. A. Boltz, 3133 W St., Sacramento. $1900 each

DWELLING
NO. 1301 THIRTY-NINTH ST., Sacramento. Two-story six-room dwlg.
Owner—South Curtis Oaks Co., 175 Stockton Blvd., Sacramento.
Architect—None.
Day's work. $7000

DWELLING
NO. 1601 THIRTY-FOURTH ST., Sacramento. One-story 5-room dwlg.
Owner—South Curtis Oaks Co., 175 Stockton Blvd. Sacramento.
Architect—None.
Day's work. $2800

DWELLING
NO. 1513 THIRTY-FOURTH ST., Sacramento. One-story 5 room dwlg.
Owner—South Curtis Oaks Co., 1755 Stockton Blvd., Sacramento.
Architect—None.
Day's work. $3000

DWELLING
NO. 1571 THIRTY-FOURTH ST., Sacramento. One-story 6-room dwlg.
Owner—South Curtis Oaks Co., 1755 Stockton Blvd., Sacramento.
Architect—None.
Day's work. $3000

DWELLING
NO. 1607 THIRTY-FOURTH ST., Sacramento. One-story 5-room dwlg.
Owner—South Curtis Oaks Co., 1755 Stockton Blvd., Sacramento.
Architect—None.
Day's work. $2800

DWELLING
NO. 2716 S ST., Sacramento. Two-story frame dwelling.
Owner—E. A. Mitchell, 1418 H St., Sacramento.
Architect—None.
Contractor—Betz & Mabrey, 2528 41st St., Sacramento. $18,950

FLAT BLDG.
NO. 1220-22 O ST., Sacramento. Two-story three-flat building.
Owner—M. Lucich, 1216 O St., Sacramento.
Architect—None.
Day's work. $9800

REPAIRS
NO. 631 K ST., Sacramento. Repairs to interior of store.
Owner—Clauss & Kraus, 17th and I Sts., Sacramento.
Architect—None.
Contractor—Siller Bros., 1616 13th Ave Sacramento. $35,000

HOSPITAL
STOCKTON BLVD. (County Hospital Building), Sacramento. Four two-story and basement reinforced concrete hospital buildings.
Owner—County of Sacramento.
Architect—R. A. Herold, Forum Bldg., Sacramento.
Contractor—Wm. C. Keating, Capitol National Bank Bldg., Sacramento $364,000

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Jan. 12, 1922—LOTS 70 AND 72 Casa Loma Terrace (2 dwellings). Paul R. Opdyke to whom it may concern .....Jan. 12, 1922

BUILDING CONTRACTS

FRESNO COUNTY.

$5,000 and Over Reported

DWELLING
NO. 1285 LINDEN ST., Fresno. Dwelling.
Owner—I. D. Shorb, 657 McKinley St. Fresno.
Architect—None.
Contractor—Shorb & Neads, 659 McKinley St., Fresno. $6000

STORE BLDG.
NO. 1330 VAN NESS AVE., Fresno. Store building.
Owner—Mr. Klein.
Architect—None.
Contractor—A. Allen, 259 Blackstone St., Fresno. $9500

PAVING
VENTURA ST., Fresno. Paving railroad track.
Owner—Southern Pacific Company.
Architect—None.
Contractor—Federal Constr. Co., Call Bldg., San Francisco.
Filed Jan. 6, 1922 26c per ft

STEEL, TRUSSES, ETC
FOWLER. Steel trusses and columns for gymnasium.
Owner—Fowler Union High School District.
Architect—Anton Johnson, Kingsburg, California.
Contractor—Kyle Co., Call Bldg., San Francisco.
Filed Jan. 11, 1922. Dated, ——.
Composition Roofing to C. E. McMullen of Fresno, $979.
Sheet Metal Work to L. F. Tegleberg of Kingsburg, $1282.
Heating to B. A. Newman Co., 1927 Merced St., Fresno, $4240.
Electric Wiring to Valley Electrical Supply Co., 1817 Tulare St., Fresno, $1336.
Plumbing to Barrett-Hicks Co., 1135 Broadway, Fresno, $4969.
Millwork to Kingsburg Planing Mill, Kingsburg, $4500.

DWELLING
LOT "B" BLK 12, Alto Vista Tract, Fresno. Seven-room dwelling.
Owner—H. L. Beck, 163 Blackstone St., Fresno.
Architect—None.
Contractor—O. D. Atkins, 3338 Lowe St., Fresno.
Filed Jan. 13, '22. Dated ——.
Contractor to receive 8/ on completion .....
TOTAL COST, $7000
Bond, limit, forfeit, plans and specifications, none.

COILS AND HANGERS
CALWA. Installation of coils and hangers in new storageroom of Calwa Ice Plant.
Owner—Pacific Fruit Express Co.
Architect—None.
Contractor—Gay Engineering Cptn.
Filed Jan. 14, 22. Dated ——.
TOTAL COST, $8468
Bond, $2500. Sureties, F. L. Somers and D. C. Crookshank. Limit, forfeit, plans and specifications, none.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Jan. 14, 1922—WONDER BUILDING, Fresno (brick work). Annie L Wallace to whom it may concern .....Jan. 6, 1922
Jan. 13, 1922—LOT B BLK 12 ALTA Vista Sct, Fresno. Hans L. Beck to whom it may concern..Jan. 3, 1922
Jan. 13, 1922—LOTS 20, 21 BLK 14 North Park Terrace, Fresno. Hazel Paul to whom it may concern.... .....Dec. 21, 1921
Jan. 13, 1922—WONDER BUILDING, Fresno (structural and miscellaneous iron, etc.). Annie L. Wallace to whom it may concern..Jan. 6, 1922
Jan. 12, 1922—LOTS 20, 21 BLK 2 Sierra Vista, Fresno. R. A. Winzler to whom it may concern .....Jan. 3, 1922
Jan. 11, 1922—LOT 6 BLK 36, Alta Vista Tract, Fresno. G P Nixon to whom it may concern....Jan. 7, 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount
Jan. 14, 1922—LOTS 45 AND 46 BLK 1, Washington Heights Fresno. L Rosenberk vs L W Larson....$240
Jan. 11, 1922—LOTS 17 AND 18 BLK 55, East Fresno. Craycroft-McKnight Brick Co vs E W Morris.$111
Jan. 14, 1922—LOT 19, Poppy Col., Fresno. Valley Elec Co vs J A and Tessie Manning $19
Jan. 14, 1922—E ½ LOT 24, Normal Villa, Fresno. Kutner-Goldstein Co vs Sam Z Todd.....$168
Jan. 11, 1922—LOTS 17 AND 18 BLK 55, East Fresno. California Pottery Co vs E W Morris.....$901

Notice of Non-Responsibility

FRESNO COUNTY

Jan. 11, 1922—LOTS 13 AND 14 BLK 11, College Addition, Fresno. Jessie Price as to improvements on property .....

BUILDING CONTRACTS

SAN MATEO COUNTY

BUNGALOW
LOT 7 Portola Woods, Spring Valley Water Co. Searsville Tract, near Woodside. All work except plumbing and metal work for one-story frame bungalow.
Owner—Caroline E. Hauser, S. F.
Architect—Brige M. Clark, Palo Alto.
Contractor — Gus Wallen, Redwood City.
Filed ——. Dated, ——.
Frame and roof completed..$1624.25
Plumbing, electrical work and plaster completed..... 1624.25
Completed 1624.25
Usual 35 days..... ... 1624.25
TOTAL COST, $6497.00
Bond, $3258. Sureties, W. P. Gray and P. E. Brand. Limit, 90 days. Forfeit, none. Plans and specifications filed.

PLUMBING AND METAL WORK ON above.
Contractor — Edward P. and John J. Cashel (as Cashel Bros.). 200 Homer St., Palo Alto.
Fild ——. Dated ——.
Roughed in $505
Completed 405
Usual 35 days..... 305
TOTAL COST, $1215
Bond, $610. Sureties, Mrs. B. Cashel & Wm. C. Dyon. Limit, 90 working days from Jan. 2. Forfeit, none. Plans and specifications filed.

RESIDENCE
CITY OF BURLINGAME. All work for one-story frame residence and garage.
Owner—Oliver Langton, 313 South F St., San Mateo.
Architect—None.
Contractor—John Rutterdale.
Filed Jan. 5, '22. Dated Dec. 22, '21.
Roof sheathed $1425
Brown mortar on..... 1425
Completed 1425
Usual 35 days..... 1425
TOTAL COST, $5570
Bond, none. Limit, before April 1, '22. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE
INTR. SANTA INEZ & VANCOUVER Aves., San Mateo. All work for two-story and basement frame residence.
Owner—Hugo Abrahamson, 2360 Washington St., San Francisco.
Architect — Samuel Lightner Hyman, Foxcrott Bldg., San Francisco.
Contractor—H. C. Lewis & Co., Foxcroft Bldg., San Francisco.
Filed Jan. 12, '22. Dated Jan. 10, '22.
Roof completed $4297.00
Plaster completed 4297.00
Completed 4297.00
Usual 35 days 4297.50
TOTAL COST, $17,188.50
Bond, $8504.25. Sureties, C. E. and H. L. Reinhart. Limit, 90 working days Forfeit, none. Plans and specifications filed.

BUNGALOW
LOT ON CAROL AVE., Burlingame. All work for one-story bungalow and garage.
Owner—Adelheid S. and M. Donaldson
Architect—R. Caldwell, 152 Ellsworth St., Burlingame.
Contractor—Unit Builders
Filed Jan. 18, '22. Dated Jan. 17, '22
Frame up $1221.25
Plastered 1221.25
Completed 1221.25
Usual 35 days..... 1221.25
TOTAL COST, $4885.00
Bond, none. Limit, 90 working days. Forfeit, none. Plans and specifications filed

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Jan. 14, 1922—LOT 28 BLK 7, Subdivision No. 2, Burlingame Park, Burlingame. John R Lindsay to whom it may concern..Jan. 14, 1922
Jan. 14, 1922—LOT 1 BLK 5, Wellisby Park, Redwood City. W L Meussdorffer to Louis N Pollard.Jan. 10, '22
Jan. 13, 1922—LOT "V" BLK 5, Burlingame Terrace, Burlingame. Charle Hammer and Hugo Hullberg to whom it may concern..... .....Jan. 12, 1922
Jan. 11, 1922—LOTS 17 AND 18, 33, 34, 39 and 40 Blk 5, Burlingame. Burlingame School District to R C Stickle .....Jan. 10, 1922
Jan. 12, 1922—LOT 9 BLK 9, Burlingame Terrace, Buringame. Chas L Bell to whom it may concern... .....Jan. 9, 1922
Jan. 12, 1922—6.9 ACRES in the Town of Belmont. Annette S Alexander to Nielsen & Cavanagh and George N Zaro.....Dec. 15, 1921

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

$2,500 and Over Reported

FRAME FLATS
SOUTH LAUREL ST., Stockton. Frame flats.
Owner—A. E. Davis, 2104 E-Sonora St., Stockton.
Architect—None.
Day's work. $2500

RESIDENCE
MONTEREY AVE., Stockton. Residence and garage.
Owner—A. F. Salfield, 411 Sonoma St., Stockton.
Architect—None.
Day's work. $3850

RESIDENCE
WEST NORTH AND PERSHING STS., Stockton. Residence.
Owner—A. Frederickson, 1244 S-Sutter St., Stockton.
Architect—None.
Day's work. $3000

RESIDENCE
McKINLEY AVE., Stockton Residence.
Owner—Bertha Borel.
Architect—None.
Day's work $3000

COMPLETION NOTICES

SAN JOAQUIN COUNTY.

Recorded Accepted
Jan. 11, 1922—LOTS 1, 2, 3, 4, 11 12, 13 and 14 Blk 1 and Lots 5, 6, 7, 8 and 9 Blk 2, Annex to J W Coley Addition to Escalon. Escalon Grammar School District to J D McDonald .....Dec. 22, 1921

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Publication Office
560 Mission Street

SAN FRANCISCO, CALIF., JANUARY 28, 1922

Published Every Saturday
Twenty-second Year No. 4

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday . SAN FRANCISCO, CALIF., JANUARY 28, 1922 Twenty-second Year No. 4

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San Francisco, Calif.

MRS. L. A. LARSEN, Publisher
J. P. FARRELL, Managing Editor

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Official Paper of Vallejo Builders' Exchange

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BUILDING BOOMS HELPS BUSINESS

"Few things tend to hasten the return to better times more than the building industry," says a recent bulletin of the United States Chamber of Commerce. "Things used in the building of dwelling houses call upon virtually all of the industries of the country for their products. A general and far-reaching construction program in this country in 1922 is the best possible harbinger of a return to more prosperous conditions."

There is in truth no more reliable barometer of public confidence and general business conditions than the building industry, according to Dr. Wilson Compton, manager of the National Lumber Manufacturers' Association, who is, perhaps, the most authoritative spokesman for the building industry in America. "Everybody profits when a new house is built," says Dr. Compton. "It furnishes business for the real estate man, it immediately exerts a stabilizing influence upon neighborhood land values. Every new home means employment for workmen and business for the brick, stone, lumber, hardware and paint dealers, reflecting back to manufacturers and the railroads. It means selling furniture, draperies, wall paper, kitchen utensils and baby buggies. It means more business for the daily newspapers, the banks and the department stores.

"The home supports the churches and schools and the great public utilities that make modern life a luxury. So that, it is no mere figure of speech to say building calls upon virtually all the industries of the country for their products. Every nerve and fibre of American life is fed and stimulated by building, and another stone is placed in the bulwark of social security with every home erected for our people."

HIGHWAY PROJECTS GET FEDERAL AID

During the first quarter of the current fiscal year, or the three months ending Sept. 30, highway projects in 38 states were approved and Federal-aid funds aggregating $10,389,516.58 were allotted toward their construction by the Bureau of Public Roads, United States Department of Agriculture. Additional projects have been approved since Sept. 30, and others are under consideration.

The length of the projects approved during the three months is 1400 miles, exclusive of a number of important bridges which, when constructed, will measure slightly more than two miles in length, all told. Total cost of the approved projects is estimated at $25,353,848.39; total cost of the bridges at $1,478,146.77, bringing the grand total up to $26,831,994.72. Of this sum the states will pay about $16,500,000, or more than three-fifths of the total.

Up to the beginning of the current fiscal year the department had approved projects totaling 35,402 miles in length, costing approximately $587,321,323. Of the total cost of construction, Federal-aid funds had been allotted to the extent of $202,764,414. The foregoing figures cover mileage and cost of all roads approved by the department since the inception of Federal aid. Constructing the allotments since the beginning of the current fiscal year, the department has approved, from the inception of Federal aid to Sept. 30, last, roads totaling 36,802 miles in length and cost $614,153,318. Toward their construction the Federal Goverment has allotted a grand total of $213,153,931, or more than 34 per cent.

FOREST SERVICE WILL CONDUCT WESTERN LUMBER CENSUS

The Bureau of the Census and the Forest Service of the United States Department of Agriculture have entered into a cooperative agreement under which the Forest Service will undertake the collection of the statistics of lumber and timber products for the calendar year 1921 as a part of the census of manufacturers. This agreement contemplates the utilization of the Forest Service organization in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, South Dakota, Utah, Washington, and Wyoming. A sufficient number of Forest Service men will be sworn in as agents of the Bureau of the Census and will conduct the canvass from the District Offices of the Forest Service in the West, acting under the authority of the Census law. By this means it is intended to avoid duplicate inquiries to sawmill operators and other manufacturers of forest products, to expedite the collection of census data, and to economize upon the cost of the canvass. Early publication of forest statistics in western states is planned if manufacturers cooperate by making their returns promptly.

SACRAMENTO BRANCH OF WESTERN BUILDING AND LOAN ORGANIZED

A branch of the Western Loan and Building Company of Salt Lake, an organization operating in eight western states, has been formed in Sacramento. The branch will be headed by E. S. Carpenter, local lumber man, as president. A. W. Norris was elected vice-president, and A. A. Chrisler secretary-treasurer. W. O. Files will act as the local representative of the parent company. A board of appraisers was chosen as follows: A. A. Chrisler, chairman; O. R. Earle, G. S. Miller, W. G. Hesson, T. E. Cain and W. J. McLaughlin.

The company is said to have an authorized capital stock of approximately $50,000,000 and net assets above $5,000,000. Sacramento officials of the firm declare its formation will mean unlimited finances for a building campaign of tremendous magnitude. It was stated that $500,000 would be available for Sacramento building projects as soon as the necessary legal steps had been perfected.

The Western Loan and Building company is said to be the largest of such organizations in the west. It is a cooperative organization, first organized in 1891, and having more than 35,000 members. It has branches in California, Montana, Idaho, Nevada, Utah, Washington, Oregon and Wyoming.

SAN FRANCISCO CONTRACTORS FORM PLASTER AND LATH COMPANY

The San Francisco Plastering and Lathing Company, to be operated on the American Plan, has been organized by five of the leading contractors of San Francisco. The new company includes P. J. Walker & Co., Dinwiddie Construction Company, Lindgren Company, George Wagner and McDonald & Kahn.

The organization was formed to assure perfect American Plan conditions in the plastering phase of the building industry, it was said by its sponsors.

To accomplish this, the San Francisco Plastering and Lathing Company will build its own plant, where it will manufacture it own plaster and mortar, charging each job with the actual cost of production, plus a small charge to cover upkeep and repair.

The company arranged to issue $25,000 worth of stock to raise sufficient funds to purchase and equip the plant. The articles of incorporation were drawn by Max J. Kuhl, counsel for the Industrial Association, which made the fight to establish the American Plan instead of the "closed shop" in San Francisco and other interior cities and towns of Northern California.

DIRECTORS FOR VALLEJO BRICK AND TILE COMPANY ELECTED

Organization of the Vallejo Brick and Tile Co. is being perfected at Vallejo. Those chosen to head the company are: U. E. Godley, W. J. Tormey, Daniel A. Brosnahan, Albert Casper, Roscoe Griffin, L. A. Steiger, who promoted the project and W. A. White. The plan is to raise $50,000, which will put the plant in condition for opening, and work of manufacturing the brick and tile will begin at once.

Stockton Architects Close Successful Building Exhibition

By THE OBSERVER

Stockton, San Joaquin County, California—The heart of the San Joaquin Valley—In the center of the land of "Sunshine, Fruit and Flowers"—A city of streets paved with Good-Will and a hand shake at its four corners—Where the word "Welcome" is on every tongue—Where they greet you with a smile and wave good-bye with a tear. That's Stockton.

Commencing January 21 and ending the 28, the Stockton Architects' Association, with the cooperation of the building interests in that city, San Francisco, Oakland and Sacramento, held in the Hotel Clark, a building and architectural exhibit in an effort to stimulate construction in that section.

The exhibit was a huge success. Educational for the public and a business getter for the building interests.

the finish. Elaborate decorations and lighting effects, accomplished through the planning of a capable member of the association, furnished the display with the appearance of a Fairyland rather than a business proposition.

Eight Thousand View Exhibits

It is estimated that eight thousand persons visited the exhibits. Many firms had their products featured in elaborate folders—touched up with bright bright colors—and these were distributed to all visitors. Others had a souvenir which they gave to each caller.

The courtesy accorded the visitors by the attendants in charge of the exhibits was notable. Materials and equipment were described with accuracy. The cost of the product, the process of its manufacture and its advantages were explained—all without exaggeration and without "trimmings."

Everybody Was There

The "lady of the house" was there with her straw-boss (husband) and in addition to seeing many labor saving devices for the kitchen and other sec-

Confident that the exhibit has planted the seed for a huge building program the Stockton Architects plan a publicity campaign to acquaint the public with matters concerning the price of building materials, economical methods of construction, new types of building brought about by the war, economical use of materials and new kinds placed on the market. This will be done through a series of newspaper articles.

Stockton will cooperate more with the building fraternity in future.

The Manufacturer was there. He had illustrated to him various types of factory buildings. He was instructed that modern factories not only make a good appearance but increase the working capacity of the plant.

The Merchant was there. He received instructions similar to those given the manufacturer. He was shown various

HOTEL CLARK—Home of The Exhibit

Fifty-four Exhibits

In all fifty-four firms displayed their products. The exhibits covered the section of a building from the foundation to the roof. Every modern convenience that goes into a building was featured—for homes, stores, flats, apartments, hotels, industrial buildings, public buildings, etc.

In a spacious hall the exhibits were well arranged. Arranged so that one viewing the entire display was not overcome with fatigue before reaching

tions of the household she was instructed in the art of making her home most attractive—the hanging of draperies, arrangements of furniture, etc.

The Banker was there and he—from the writer's observation—was the most impressed. He marveled at the conveniences provided for the average home—the reasonable cost of them—the number of them. Questions asked and the manner in which answers were received furnishes one with the impression that the banking interests of

styles of store front construction and was advised—much to his pleasure—how to make his place of business more attractive—lighting effects, wall panelling, drapery hanging, etc.

The Officials of Stockton were there as were the officials of San Joaquin county. They asked questions indicating that they are not only familiar with the quality of building materials but are eager to learn more about them.

Last, but not least—the Workingman—he with the savings bank book—was

there with his family seeing just what modern conveniences he could install in that home he proposed to build. This man was there in great numbers—not for curiosity—but for the purpose of seeing if the way was clear for him to start construction of that long planned Paradise—his home.

Program Reviewed

To describe in detail the activities of the eight day exhibition it would require many columns.

However, the writer, has prepared only a brief review:

Saturday evening, Jan. 21—Opening of exhibit. Grand concert.

Sunday—Ecclesiastical Day. Church interiors and exteriors featured. Examples of church architecture from all over the world, as well as that designed by local architects, featured.

Monday—Home Builders' Day—Displays of special interest to those contemplating building homes. Costly residences and moderate priced bungalows and cottages featured. Labor saving devices and electrical appliances for the home shown. Short address: "Own your Own Home," by Mayor D. P. Eicke of Stockton.

Tuesday—Stockton or Municipal Day—Displays of public buildings of all kinds and materials suitable for their construction shown. Plans of civic and community centers featured. Stockton city council attends in a body. Lecture on "The Manufacture of Architectural Terra Cotta," illustrated with three-reel film and slides, delivered by F. C. Davis of Gladding, McBean Company of San Francisco.

Wednesday—Sacramento and Stockton Contractor's Day—Members of Sacramento Builders' Exchange arrive in special train; inspect exhibit and hear talk on "Co-Operation between Owner, Architect and Contractor," by John J. Donovan, Oakland Architect. Sacramentans and their Stockton hosts attend theatre to see "Hiram the Architect," following which a banquet is held in Hotel Clark.

Thursday—Ladies' Day—Devoted to interests of women in building, architecture and interior furnishing. Miss Claire O'Rourke, professional interior director, lectures. Furniture exhibits featured.

Friday—Club Men's and Investor's Day—Local clubs attend in body. Displays of architecture pertaining to club buildings and structures erected for investment purposes. Booster talks by P. H. Stitt, president of Stockton Realty board and others. Talk by H. J. Brunnier, San Francisco engineer, "Reinforced Concrete in Building Construction."

Saturday—January 28—Closing Day—Exhibit closes at 5 P. M. and is followed with Studio Ball and Revel in Hotel Clark.

Studio Ball and Revel

Saturday evening, the 28th, the Studio Ball and Revel was held closing the exhibition.

Printers' ink is not made nor sufficient paper manufactured that would enable the writer to describe the drop of the curtain on such a successful undertaking. 'Tis sufficient to say that those who worked overtime in an effort to make the exhibit a success were well paid for their labors. Those who came from distant parts—as did the writer—were shown that the Stockton interests are far ahead when it comes to entertaining.

Architectural Exhibits

Architectural drawing were featured as follows:

Glenn Allen; The Dawson Warehouse of Stockton, Stockton Mineral Baths and the Home and Henery Apartments.

E. B. Brown; residence of Mr. and Mrs. Douglas Fairbanks in Beverly Hills—Brichetto residence at Banta, Cal.; two studies of a Santa Barbara residence and the residence of Mr. and Mrs. F. N. Vail, now under lease to Thos. Baxter, president of the Holt Manufacturing Company.

Peter L. Sala; The Pazzi Chapel; Temple of Vesta at Tivoli; preliminary drawings for several schools and a collection of water color renderings.

Jos. M. Losekann and J. W. Clowdsley; Stockton New Victory School; Miss Amy Pahl residence in Bour's Park and residence of Dr. Harry Hall with several of Architect Clowdsley's renderings.

Ralph P. Morrell; Bennett Apartments of Stockton; Nineteen-story physicians' building in San Francisco; several schools and civic center for Stockton.

Victor Galbraith; M. E. Angier residence near Lodi; Adolph Eddleman residence; garage for Bruce P. Martin in Stockton and hotel for Marciano & Solari of Stockton.

Edw. Cooney; factories buildings for Wagner Leather Co.; a residence; two apartments and a mausoleum for Stockton.

Chas. H. Young; Lottie Grunsky school; Dr. H. E. Pike residence and Sciot's Lodge building.

Franklyn E. Warner; Geo. Moore residence at Lodi; several apartments and factories in Stockton; water color renderings.

Stone, Saterlee & Wright; Commercial and Savings Bank Building of Stockton; (Stone) Pomona High school; several residences and schools.

Frank Mayo; featuring several schools, residences and apartment structures.

Co-operation-Success

Credit for the success of the Exhibit is due to the Stockton Architects' Association, the building interests of Stockton, San Francisco, Oakland and Sacramento.

Considerable credit is due to the theatres of Stockton which featured motion pictures showing the manufacture of building materials—from the raw product to the finished article ready for installation. A sketch, "Hiram The Architect," backed with scenery showing Stockton in 1930, not only created much amusement but focused the thoughts of the audience on a "Build Now" campaign.

Credit is also due the newspapers of Stockton—the Record and Independent—which co-operated with the association in keeping the public informed on the progress of the exhibit.

Building Boom Sighted

That the exhibit shall be the means of bringing to Stockton a building boom was indicated by the backers of the project on the closing day. All expressed the opinion that it was a "one hundred per cent success"—a benefit not only for the building interests and the prospective builder but for the public in general.

Architects Pleased

Glenn Allen, president of the Architects' Association declared the members were not only pleased with the success of the exhibit but were confident that it created a better feeling among the building interests. Further he said it undoubtedly would cause the building interests of San Joaquin county to realize that efforts to stimulate construction must commence with the public. Architect Allen declared that the public needed—and desired—facts and figures regarding building. It was for this purpose the exhibition was held, he said.

"The exhibit was a huge success. It has accomplished what we desired. While we do not expect immediate results, we are confident," said Mr. Allen, "that the public as a result of the exhibit, has learned building facts and will—if they even intend—build this year."

Exhibitors and Exhibits

Dorite Manufacturing Co., San Francisco, magnesite stucco and flooring; Chas. Pike, Stockton, furniture; Roberts and Clark Planing Mill, Stockton, mantel; Fisher Bros., Stockton, furniture; Electric Plaining Mill, Stockton, wall paneling; Union Planing Mill, Stockton, book case; Chas. Haas & Sons, Stockton, silverware; Yost-Dohrman, Stockton, chinaware; Stewart Supply Co., Stockton, art glass; Western States Gas and Electric Co., Stockton, gas heaters; Boyd Lighting Co., Stockton, electric fixtures; Austin Bros., Stockton, hardware; Cannon & Co., Sacramento, brick, Denison tile and corridor tile; California Brick Co., San Francisco, brick, terra cotta and Dickey master tile; Marshal & Stearns, San Francisco, wall bed and Hoosier cabinets; Stockton Marble & Mosiac Co., Stockton, marble mosiac and terrazzo floors, Galassi combination sink top; Graham Bros., Lodi, concrete building blocks, San Joaquin Brick Co., Stockton, cement products and brick; Stockton Terrazzo Co., cement bricks; Kawneer Manufacturing Co., Berkeley, Simplex windows and store fronts; H. P. Fisher Tile and Marble Co., Stockton, imported and domestic marble and handmade faience tile; U. S. Metal Products Co., San Francisco, metal window sash; H. W. Johns-Manville Co., San Francisco, roofing materials, asbestos piping; Gladding McBean Co., San Francisco, Cordova tile, English pan tile, shingle tile and brick; Simons Brick Co., Los Angeles, variegated Spanish tile; Trus-Con Steel Co., San Francisco, metal sash and metal lumber; W. P. Fuller Co., San Francisco, glass and paints; White Bros., San Francisco, hardwood, panels, etc., Stockton Tile Co., Stockton, Bachelder mantel tile; Crane Co., San Francisco, plumbing fixtures; Luxen & Catts Stockton, rubber mats; Pacific Sanitary Mfg. Co., Standard Sanitary Mfg. Co. and Kohler Co., San Francisco, plumbing fixtures; Commercial, Hild and Home Electric Companies, Stockton, electric appliances; Faggioni Company Studios of San Francisco, interior decorating; A. Brunicardi Co., San Francisco, garden furniture; F. A. Gummer, Stockton, furniture; A. Bacinett Co., Oakland, artists and interior decorating, featuring the Cathedral of St. Stephan's at Vienna. Western Builders Supply Co., San Francisco, "compo carved" capitals; Austin Bros., Stockton, hardware; Crescent Manufacturing Co., Stockton, furniture; The Hoosier Ranch, Escalon, Calif., landscape gardening and floral decorating.

STOCKTON SHOULD ORGANIZE A BUILDERS' EXCHANGE

John J. Donovan, Oakland Architect, was selected by the Stockton Architects' Association to address the contractors of Stockton and Sacramento on the day set for their visit to the exhibit. As his topic, Architect Donovan, selected an excellent subject: "Co-Operation Between Owner, Architect and Contractor." His views were very clear and were well received. Mr. Donovan closed his remarks with the advice that Stockton should organize a Builders' Exchange. He expressed his surprise to find a city of Stockton's size without an organization composed of the building interests. He advised the Stockton members of the benefits to be gained through such an organization, declaring an exchange to be the means of bringing together men engaged in the different phases of the building industry for the interchange of ideas, and experiences. He said that every interest should be represented, including architects, contractors, manufacturers, owners and others. He declared that every man in the industry knows something that would be of educational value to the other fellow, and that this exchange of ideas would prevent many failures. He said that a failure in many business pulls down others engaged in the same line of work and that a builders' exchange would help to prevent failures in vocations connected with the building industry.

Petitions are being circulated in Colusa county asking the supervisors to call an election to decide the question of issuing $800,000 in bonds to finance construction of a system of good roads.

Stabilizing Private Industry Through Public Works

Address to the Associated General Contractors of America
By OTTO T. MALLORY, Member President's Conference on Unemployment

The business world has long regarded industrial depression as an extraordinary accident—a sudden stroke of paralysis for which there is no remedy except patience and hope. Another conception is revealed by a study of the last hundred years of industrial history of the United States. These apparent extraordinary accidents are seen to be events recurring with some regularity every seven to ten years. After a depression there is a gradual rise, becoming more rapid as the crest of the wave is reached. At the crest there is a scramble for labor and materials, prices and wages soar, and credit is over-strained. When the wave breaks, the higher the wave the greater and the longer and the more severe the subsequent depression and unemployment.

These periods of depression seem to be speeding up in accordance with the acceleration of modern life. They occur more frequently than fifty years ago. Once upon a time laws were passed prohibiting railroad trains from running more than five miles an hour through a town. Now if a motorist travels through the city at less than fifteen miles he may be arrested for obstructing traffic. As depressions are getting more frequent and more acute, methods must be found for preventing or mitigating them else our complex business structure cannot survive.

Two Methods Proposed

Two important methods are proposed by competent business men and engineers. The first is the outgrowth of the study of waste in industry conducted by the Federated Societies of American Engineers under the leadership of Mr. Hoover. These studies point out certain practical steps in the elimination of waste and have led to further study of the specific industries, now being conducted under Mr. Hoover's direction.

The second method is a recommendation of the President's Conference on Unemployment, embodies in Senator Kenyon's bill, favorably reported to the Senate in December. This bill, S-2794, provides that public works be postponed when private industry is competing for the same men and materials and the accumulation executed during periods of industrial depression. Everyone admits this to be a wise plan. The only question is how to accomplish it and how large will be the results. The Kenyon bill is no panacea, but provides for a few of the first steps. The Federal Government's chief public works are rivers and harbors, public buildings, reclamation, and federal aid to roads. The Kenyon bill proposes that advance engineering plans for all such work be kept ready so that an appropriation by Congress at any time would result in immediate execution during a period of depression. On the other hand the Federal Government proposes not to execute any postponable public work during boom times and thus refrain to that extent from raising the height of the wave of business activity. It is the last straw that breaks the camel's back. In a boom it is the last few hundreds of millions of dollars of orders concentrated into a short period that sky-rocket prices, shake credits, and bring down the structure with a crash. Federal public works from taxation plus municipal and state public works, as measured by bond issues alone, averaged in 1919 and 1920 $[illegible] 000,000 a year. If a substantial portion of this amount can be held back during years of active industry, the strain will be relieved to that extent. A governor for an industrial engine will have been invested which will steady employment in good times and bad. The Kenyon bill aims to do this as far as federal public works are concerned, but these are only one-fifth the total public works done within the boundaries of the United States. Public works of cities are more important because they are so much larger in volume. How can the cities help?

Looking Into Future

A city plan looking ahead ten years and anticipating the probable growth and needs of the city will be helpful in carrying out this policy. When prices are low and labor plentiful, the major features of the plan can be undertaken. During the years of active industry only those projects urgently necessary need be begun.

How can the Federal Government or the cities know the best years to expend public works? By our system of crop reports the business world knows the probable yield of wheat or corn long before it is harvested. By the Kenyon bill a similar report indicating the trend of business will be inaugurated by the Department of Commerce. Specific and general business conditions will be inaugurated by the Department of Commerce. Specific and

(Continued on Page 38)

LARGE LUMBER DEAL IS CLOSED AT PITTSBURG

The Redwood Manufacturers Company, which has a large drying and planing mill establishment at Pittsburg, Contra Costa county, has concluded a deal by which the company will acquire the entire cut for a term of years of the Goodyear Redwood Company, engaged in lumbering redwood at Elk, Mendocino county.

This deal—the largest redwood lumber transaction in the history of the State—is a pure sale, and in no sense a merger, according to officers of the companies concerned.

The annual cut of the Goodyear Company is between 40,000,000 and 50,000,000 feet, which is worth at present prices between $1,500,000 and $2,000,000.

The lumber will be handled in unit packages from the sawmill at Elk to the yard at Pittsburg. Considerable savings are expected in cost of handling at the mill and in the amount of stock carried there, involving interest and insurance charges. Increased speed in loading and discharging vessels will also effect economies in transportation. The yards at Pittsburg are equipped with exceptional facilities for air drying and with completely equipped reworking plants. Cuts from other mills are also handled at this yard.

Officers of the Redwood Manufacturers Company are C. J. Wood, president, and A. H. Jongeneel, vice-president. The Goodyear Company has at its head Miles A. Goodyear, with J. A. Mackenzie as treasurer and R. D. Baurns, geenral manager.

Increasing Production in the Building Trades

(A summary of paper by Sanford E. Thompson of the Thompson & Lichtner Co., Consulting Engineers in Industrial Management and Construction, Boston, Mass., before the Associated General Contractors of America, Cleveland, Ohio. Col. Thompson as a member of the Hoover Committee on Elimination of Waste in Industry, prepared the essay on "Waste in Building Industry" as well as "Waste in the Boot and Shoe Industry." He was a member of the President's Unemployment Conference. As engineers, his firm is responsible for development of methods of operation and large reductions in costs in construction operations and in factory operations.)

We have come to a time when the very existence of our living standards demand greater and greater production per unit of population. Our war days are over, when it was humanly natural for a man to work slowly because he was so sure of his job. In construction, as in manufacturing, this means larger daily output per worker. It means less lost time. It means especially more continuous work through the season and through the year.

In the building trades skilled and unskilled workers are actually employed from 60 to 80% of the time. This means not merely that nearly every workman is looking forward with dread to the day when his job is finished, but it means also that the employer is paying in actual wages from 25 to 66% more per day for his labor than it the man could work continuously.

Of nearly as great importance to the worker as the question of pay, are the annoyances due to lack of proper materials, tools, and equipment, and waiting for work when on the job.

Fundamental causes of restriction of output by the worker are lack of appreciation of the necessity for doing a good day's work in order to maintain a good day's pay, and, even further than that, the actual belief of many workers that it is incumbent upon them to work slowly in order to make the work go around. These fundamental causes of restriction must be counteracted (1) by education, (2) by inducing the workmen to greater production through incentives, and (3) by the determination of actual time standards so that the employer will know just how much work a man ought to accomplish in a day.

In the factory, in place of the old "drive" methods are being substituted definitive methods of planning and controlling the work. Method is being substituted for brute force.

In an Ohio rubber plant it was found possible, for example, through planning and analysis to increase output of the man in some of the departments by more than 40%. In construction similar results are possible. Actual experience of the writer in house construction shows that 10 to 60% can be saved in actual cost by adopting factory methods. In trenching in a very stiff tenacious clay the following results were obtained:

	Unit Cost Ordin. Meth.	Unit Cost Impr. Meth.
Excavation	48.0c cu. yd.	34.8c cu. yd.
Pipelaying	11.1c lin. ft.	4.6c lin. ft.
Backfilling	31.6c cu. yd.	10.6c cu. yd.

(Continued on Page 38)

Building News Section

APARTMENT HOUSES

Contracts Awarded.
APARTMENTS Cost, $——
SAN FRANCISCO. S Bush 77 W Leavenworth.
Four-story class C apartments.
Owner—John O. Titlow.
Architect — M. V. Politeo, First National Bank Bldg., San Francisco.
Structural steel and iron work to Golden Gate Iron Works, 1541 Howard St., $4500.
Excavating, grading, concrete, cement floor, carpenter, mill, glazing, patent chimneys, hardware, lath and plaster, etc. to G. W. P. Jensen, 320 Market St., $26,000.
Plumbing, gas heating and sewerage to Scott Co., 243 Minna St., $4,250.
Mr. Jensen has sub let the contract for the concrete work and reinforcing steel to Chas. Sartorio, 2151 Filbert St.

Sub-figures Being Taken — Concrete Work Awarded.
APARTMENTS Cost, $58,500 each
SAN FRANCISCO. S Geary St. 137-6 and 186-3 W Leavenworth St.
Two five-story and basement class C apartments houses (20) apartments each.
Owner—S. Rouda, 40 Powell St., San Francisco.
Architect — Sylvain Schnaittacher, 237 Post St., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
The concrete work has been awarded to Chas. H. Nilson, 180 Jessie St., at approximately $9,000.

Bids Rejected — Construction Postponed.
APARTMENTS Cost, $50,000
SAN FRANCISCO. N Bush St. near Taylor St.
Five-story class C reinforced concrete apartment house (20, 2 and 3-room apartments).
Owner—Mrs. Bertha Basye.
Architect—B. G. McDougall, 381 Bush St., San Francisco.
All bids received have been rejected as being too high and the owner has postponed construction. Chas. Hock submitted the lowest bid at $57,500.

Bids In—Contract to be Awarded Shortly.
APARTMENTS Cost, $20,000
SAN FRANCISCO. Taylor and Pacific Streets.
Three-story and basement frame and plaster apartments.
Owner—Withheld.
Architect—Albert Fabre, 110 Sutter St., San Francisco.

Plans Being Prepared.
APARTMENT HOUSE Cost, $20,000
SAN FRANCISCO. E Funston Ave. 200 N Anza.
Two-story and basement frame apartment house (4, 4-room apartments and garages).
Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Plans Being Prepared.
APARTMENT BLDG. Cost, $1,000,000
SAN FRANCISCO. NE Mason and Sacramento.
Eight-story class A community apartment building (47 apartments of from 6 to 22 rooms.
Owner—The El Francisco, a corporation (M. V. B. MacAdam Co., agents).
Architect—H. P. Merritt, 485 California St., San Francisco.
Manager of Construction—Marcus Marcussen, American National Bank Bldg., San Francisco.

Plans Being Prepared.
APARTMENT HOUSE Cost, $——
SAN FRANCISCO. S Bush 131 E Leavenworth.
Five-story brick apartment house.
Owner—Louis D. Stoff.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.

Revised Plans Being Figured.
APARTMENT HOUSE Cost, $75,000
SAN FRANCISCO. NE Washington & Leavenworth.
Five-story reiforced concrete apartment house.
Owner—Dr. J. A. Simpson.
Architect — Jos. L. Stewart, Claus Spreckels Bldg., San Francisco.
Figures are being taken for a general contract.

Contract Awarded.
APARTMENTS Cost, $15,000
SAN FRANCISCO. E Van Ness Ave. 47-6 S Broadway.
Three-story and basement frame (8) apartments.
Owner—R. H. Trenear, 1064 Phelan Bldg., San Francico. s
Architect—None.
Contractor—E. V. Lacey, 180 Jessie St., San Francisco.

Being Done by Day's Work.
APARTMENTS Cost. $20,000
SAN FRANCISCO. SE Lake St. and Twenty-fourth Avenue.
Three-story and basement frame (6) apartments.
Owner—P. J. Phelan, 1706 Anza St., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Being Done by Days Labor.
APARTMENT HOUSE Cost, $20,000
SAN FRANCISCO. E Funston Ave. 200 N Anza Street.
Two-story and basement frame apartment house (4, 4-room apartments and garages).
Owner—P. J. Phelan, 1706 Anza St., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Contract Awarded.
APARTMENTS Cost. $60,000
SAN FRANCISCO. NW Franklin and Jackson.
Four-story and basement reinforced concrete (8) apartments.
Owner—Meyer Wood, % S. N. Wood, Fourth and Market Sts., San Francisco.

Young man seeks financial interest in reliable firm, manufacturing, staple line, building material or contracting, capable superintendent or assistant—best of references.
Address Box EG—c/o Building and Engineering News.

Architect—W. L. Schmolle, 40 Montgomery St., San Francisco.
Contractor—Jos. Dunn, 40 Montgomery St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $11,315
SAN FRANCISCO. S Eighteenth St. 155 E Noe Street.
Two-story and basement frame (4) apartments.
Owner—Mrs. Tilhon.
Architect—Righetti & Hirschfeld, 12 Geary St., San Francisco.
Contractor — Farnocchia & Co., 1814 Powell St., San Francisco.

Owner Taking Sub-figures.
APARTMENT HOUSE Cost, $——
SANTA ROSA, Sonoma Co., Cal.
Two-story frame and brick apartment house.
Owner—Walter Proctor, 517a 4th St., Santa Rosa.
Architect—Walter Parker, 57 Post St., San Francisco.

Plans Being Figured.
APARTMENTS Cost, $30,000
SAN FRANCISCO. E Guerrero St. 96 S Seventeenth St.
Three-story frame and plaster apartment house (9, 2, 3 and 4-room apts.)
Owner—Jerry Lynch.
Architect—A. J. Horstman, 304 Anglo Bldg., 16th and Mission Sts., San Francisco.
NOTE—Figures are being taken for a general contract.

Contract Awarded.
APARTMENTS Cost, $20,000
SAN FRANCISCO. SE Geary St. and Eighteenth Ave.
Three-story frame store and (4) apts.
Owner—John F. Thurber, 551 7th Ave., San Francisco.
Architect—John J. Foley, 770 5th Ave. San Francisco.
Contractor — Thos. Hamill, 707 42nd Ave., San Francisco.

Plans Completed.
APARTMENTS Cost. $10,000
OAKLAND, Alameda Co., Cal. S Arlington Ave. 70 E Los Angeles.
Two-story 16-room frame apartment house.
Owner—Eugene Luvisone, 2516 Poplar St., Oakland.
Architect—None.

SAN FRANCISCO, Cal.—Herman D. Hogrefe has purchased the lot on the east side of Powell street 100 feet south of Pine and will shortly improve it with an apartment house building. E. E. Young, 251 Kearny St. is Mr. Hogrefe's architect.

STOCKTON, San Joaquin Co., Cal.—Architect Franklyn E. Warner, Belding Bldg., is preparing plans for an apartment house to contain 24 apartments to be erected in this city; estimated cost, $45,000. Details will be published shortly.

BANKS

Plans Being Prepared.
ALTERATIONS Cost, $60,000
SAN DIEGO, Cal.
Extensive alterations to bank.
Owner—United States National Bank.

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St. Rose Avenue & Collins Street

San Francisco

Sales Offices
58 Sutter Street

Architect—H. H. Winner Co., Cunard Bldg., San Francisco.

ALTERATIONS Cost, $50,000
Plans Being Figured.
SANTA ROSA, Sonoma Co., Cal. 4th and Mendocino Sts.
Marble and bronze work for alterations to bank.
Owner—Exchange Bank.
Architect—H. H. Winner Co., Cunard Bldg., San Francisco.

BONDS

OAKDALE, Stanislaus Co., Cal.—Chamber of Commerce proposes bond election to finance construction of a municipal hospital. A state law permits cities of the sixth class to bond for such an improvement.

VISALIA, Tulare Co., Cal.—Until Feb. 16, bids will be received by supervisors for purchase of $44,500 bond issue of Sultana and $36,000 issue of Waukena School Districts, proceeds of the sale in each instance to finance school improvements.

SAN JOSE, Santa Clara Co., Cal.—Until Feb. 6, bids will be received by county supervisors for purchase of $13,000 bond issue of Hester School District; proceeds of sale to finance school improvements.

BAKERSFIELD, Kern Co., Cal.—Election will be held Jan. 31, in South Fork Union School District to bond for $20,000 to finance school improvements. Trustees of District: A. J. Alexander, Mrs. Chas. S. Powers, Robert Palmer, J. L. Robertson and Mrs. Estelle Barbeau.

ORLAND, Glenn Co., Cal.—Orland Joint Union High School District proposes to vote bonds of $30,000 in addition to the $22,500 issue already sold to finance another building for the high school group.

SUSANVILLE, Lassen Co., Cal.—Bonds of $50,000 voted in Susanville School District to erect new school in Milwood district.

LODI, San Joaquin Co., Cal.—Feb. 17 is date set to vote bonds of $430,000 for school improvements; $250,000 for additions to high school and $90,000 for a grammar school. High school issue will provide funds for auditorium, shop and science buildings. Old auditorium will be remodeled for a library.

LONG BEACH, Cal.—City council decides to sell the $35,000 bonds voted in 1913 for construction of a city garbage incinerator, the bonds never having been issued.

TRACY, San Joaquin Co., Cal.—Bonds of $75,000 voted to construct additions to West Park school and addition of one room to Naglee-Burk school. Plans for improvements prepared by Architect W. J. Wright, Bank of Italy Bldg., Stockton.

SACRAMENTO, Cal.—Board of Education sets Feb. 25 as date to bond for $1,150,000 for school improvements, plans for which will be prepared by Architectural Commission, composed of Hemming, Petersen & Hudnutt, with offices in the City Library Bldg., 9th and J Sts., Sacramento.

CHURCHES

Figures to be Taken Shortly.
CHURCH Cost, $85,000
LOS ANGELES COUNTY. Glendale.
One-story and basement frame and plaster churcs L shaped, 130x115x50, with balcony.
Owner — Glendale Congregational Church.
Architect—Carleton M. Winslow, 1131 Van Nuys Bldg., Los Angeles.

Contract Awarded.
CHURCH. Cost, $30,000
SAN FRANCISCO. SW Clement Street and Thirty-first Avenue.
One-story and basement frame church.
Owner—Lincoln Park Presbyterian Church, Premises.
Architect — Wythe & McCall, Central Bank Bldg., Oakland.
Contractor—Thos. Hamill, 6140 Geary St., San Francisco.

Plans Complete—Sub-figures To Be Taken.
CHURCH Cost, $130,000
STOCKTON. El Dorado and Vine Sts.
Two-story reinforced concrete and brick church, Sunday school and community hall building.
Owner—First Presbyterian Church.
Architect and Contractor—Davis-Heller-Pearce Co., Delta Bldg., Stockton.

SANTA MONICA, Cal.—John Simpson & Co., 701 Antonio Ave., Los Angeles, were low bidders at about $70,000 on the general contract for the new brick building for the First Presbyterian Church at 3rd and Arizona Sts., Santa Monica. The contract will probably be awarded at the next meeting of the congregation. The general contract will not include plumbing, painting, heating, wiring, plastering and electric fixtures. Total cost, $100,000. C. F. Skilling, Bradbury Bldg., Los Angeles, is the architect. Excavation has been completed. Auditorium to seat 1040; Sunday school department, classrooms, social quarters.

LODI, San Joaquin Co., Cal.—German Seventh Day Adventist Church, 443 Hilborn St., granted building permit by city trustees to erect $10,000 church building.

FACTORIES & WAREHOUSES

Contract Awarded.
MFG. BUILDING Cost, $31,090
NEWARK, Alameda Co., Cal. Adjoining present plant.
One-story concrete and frame mfg. building.
Owner—Jas. Graham, 531 Mission St., San Francisco.
Architect—C. N. Burrell, First Savings Bank Bldg., Oakland.
Contractor—G. A. Scott, 685 23rd St., Oakland.

Contract Awarded.
ICE PLANT Cost, $——
RIVERBANK, Fresno Co., Cal.
Reinforced concrete ice plant, main building 146x168, extension 134x84, and cooling tower 98x45, 54 ft. high.
Owner—Santa Fe Railway Co.
Architect—W. H. Mohr, Kerckhoff Bldg. Los Angeles.
Contractor—Hayes Oser Co., Call Bldg., San Francisco.

Segregated Figures Being Taken
WAREHOUSE, ETC. Cost, $——
OAKLAND, Alameda Co., Cal. Seventh Street.
One-story hollow tile and brick warehouse and salesroom building.
Owner—R. J. McMullin.
Architect—Jos. T. Narbett, Syndicate Bldg., Oakland.

To Award Contract.
FILM LABORATORY Cost, $27,469
SAN FRANCISCO. N Turk Street W Leavenworth Street.
Two-story reinforced concrete film laboratory building.
Owner—Fox Film Corporation.
Architect — Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.
Low Bidder—Vukicevich & Bagge, 180 Jessie St., San Francisco.
Barrett & Hilp submitted the next lowest bid at $30,882.

Permit Applied For
SHOP BLDG. Cost, $9,000
OAKLAND, Alameda Co., Cal. SW Fourth and Washington Sts.
One-story brick machine shop building
Owner — M. Elsane, 130 Montgomery St., San Francisco.
Architect—S. Heiman, 57 Post St. San Francisco.
Contractor — MacDonald & Kahn, 130 Montgomery St., San Francisco.

Plans Being Prepared.
LOFT BLDG. Cost, $50,000
STOCKTON, San Joaquin Co., Cal.
Two-story reinforced concrete and brick store and loft building, 50x100.
Owner—Mr. Horan.
Architect & Contractor—Davis-Heller-Pearce Co., Delta Bldg., Stockton.
Work will be started about March 15th.

Plans Being Prepared.
ICE CREAM PLANT Cost, $40,000
NEWMAN, Stanislaus Co., Cal.
One-story fireproof ice cream plant.
Owner—National Ice Cream Co., 371 Guerrero St., San Francisco.
Architect—J. T. Ludlow, 420 Montgomery St., San Francisco.

OROVILLE, Butte Co., Cal.—Oroville Steam Laundry will construct concrete and steel addition, 35x85-ft., to its plant this year. Additional machinery will be installed. C. F. Huntington, manager.

SAN MATEO, San Mateo Co., Cal.—The Mineral Metal and By-Products Co., American National Bank Bldg., San Francisco, has completed the purchase of 1372 acres of tidelands off the San Mateo shore and is prepared to go ahead with work on its plant, according to an announcement of the Three Cities Chamber of Commerce which assisted the company in raising $25,000 among local businessmen to purchase the lands. It is proposed to have the first unit of the plant in operation by July 1.

FLATS

Figures To Be Taken Next Week.
ALTERATIONS Cost, $7500
OAKLAND. 31st St. near Telegraph Ave.
Altering two-story frame residence into (3) flats: 1, 5-room and 2, 3-room flats.
Owner—Withheld.

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Manufactured by
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Architect—Albert Fabre, 110 Sutter St., San Francisco.

Plans Being Prepared.
FLATS Cost, $15,000
SAN FRANCISCO. W Fourteenth Ave. N California Street.
Two-story frame and plaster residential flats (2, 8-room flats with basement garages).
Owner—Withheld.
Architect — Walter Falch, Hearst Bldg., San Francisco.

Plans Being Figured.
FLATS Cost, $10,000 each
SAN FRANCISCO. N Lake 32-6 E 27th Avenue.
Two two-story and basement frame flat buildings (2 flats each) of five rooms and sleeping porch.
Owner—N. Samuels, 159 Parker Ave., San Francisco.
Architect—Mel. I. Schwartz, Nevada Bank Bldg., San Francisco.
NOTE:—Figures are being taken for a general contract.

Plans Completed.
FLATS Cost, $12,000
SAN FRANCISCO. NW Cabrillo St. and Fifteenth Avenue.
Two-story and basement frame (4) flats.
Owner—Chas. J. Lutticksen.
Architect—C. O. Clausen, Hearst Bldg San Francisco.

GARAGES

Contract Awarded.
REPAIR SHOP Cost, $12,000
SAN FRANCISCO. N Pacific Avenue 127 W Larkin Street.
One-story reinforced concrete automobile repair shop.
Owner—August Livernais.
Architect — O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—F. L. Hansen, 251 Kearny St., San Francisco.

Plans Being Prepared.
GARAGE Cost, $25,000
SAN FRANCISCO. E Valencia Street N Fifteenth Street.
Two-story reinforced concrete garage.
Owner—Withheld.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Plans will be ready for figures in about a week.

FRESNO, Fresno Co., Cal.—Until Feb. 23, 5 P. M., bids will be received by L. L. Smith, secretary Board of Education, for constructing garage and bicycle shed at Fresno high school. Plans may be had from The R. F. Felchlin Co., 300 Bank of Italy Bldg., Fresno.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at the end of each paragraph:

Schedule 9336, for Mare Island, 300 electric flat irons; Feb. 14.

Sched. 9337, for delivering at various navy yards, 99 ship augers, miscellaneous wood boring bits, 50 drill chucks, 525 adjustable hacksaw frames, 247 machinists' hammers, 15 electric soldering irons, 900 shoe knives, 542 side cutting pliers, 1,166 carpenters' folding rules, 6,600 boxwood rules, 36 scoop coal shovels, 1,137 common screwdrivers, 6,840 do, 564 spiral ratchet screwdrivers, machinists' and carpenters' squares, 180 combination squares with bevel protractor, 47 steel measuring tapes and 764 steel measuring tapes; Feb. 14.

Sched. 9349, for Puget Sound, Wash., 4,500 pounds medium steel bar, 74,650 pounds flat sheet soft steel, galvanized, and 2,250 pounds steel angles, galvanized; Feb. 14.

Sched. 9350, for the navy yard, Mare Island, 5,000 cotton deck swabs; Feb. 14.

Sched. 9352, for Mare Island, 8,700 paint brushes and 480 do; Feb. 14.

Sched. 9353, for eastern and western navy yards, miscellaneous American window glass; Feb. 14.

Sched. 9354, for eastern and western navy yards, 20 ships' water closets; Feb. 14.

Sched. 9355, for Mare Island, 4,044 single head engineers' wrenches and 2,140 double head do; Feb. 14.

Sched. 9356, for Mare Island navy yard, 1,000 padlocks; Feb. 14.

Sched. 9358, for the Mare Island navy yard, 8,000 feet engineer and wash deck hose; Feb. 14.

Sched. 9359, for Mare Island and Puget Sound, miscellaneous brass, copper and phosphor bronze; Feb. 14.

Sched. 9363, for Puget Sound, Wash., miscellaneous steel bolts and nuts; Feb. 14.

Sched. 9364, for Mare Island, 23,000 feet galvanized steel pipe; Feb. 14.

Sched. 9367, for Mare Island, paint materials; Feb. 14.

Sched. 9368, for Mare Island, 200,000 pounds blanc fixe; Feb. 14.

Sched. 9369, for Mare Island, 50,000 pounds asbestine; Feb. 14.

Sched. 9370, for eastern and western yards, 68 metal clothes and safe lockers; Feb. 14.

Sched. 9372, various eastern and western yards, miscellaneous quantity or iron or steel deck bolts; Feb. 14.

Sched. 9375; Mare Island and Puget Sound, 200 lbs. white machine silk; Feb. 21.

Plans Being Figured.
ALTERATIONS Cost, $——
SACRAMENTO, Cal. Post Office building.
Alterations to northeast corner of building.
Owner—United States Government.
Architect—None.
Bids will be received by the Custodian at Sacramento, where plans may be obtained.

Plans Being Prepared.
FRAME BLDGS. Cost, $——
STOCKTON, San Joaquin Co., Cal. Rough and Ready Island near Stockton.
Group of one-story frame buildings for Industrial School for disabled soldiers (housing for 500 families, hospital, sewering, some street work, etc.)
Owner—United States Government.
Architect & Contractor—Davis-Heller-Pearce Co., Delta Bldg., Stockton.
Davis-Heller-Pearce Co. have a contract for the first unit amounting to $65,000. Work will be started immediately. Later $150,000 will be spent in improvements.

WASHINGTON, D. C.—Henry & McFee, Northern Life Bldg., Seattle, Wash., at $637,724 submits low bid to Bureau of Yards and Docks, Navy Department, for rebuilding and extending Pier No. 5, Puget Sound Navy Yard, at Bremerton. Dock will be 1200 ft. long; 80 ft. wide of concrete construction, involving 25,000 cu. yds. concrete, 1700 tons reinforcing steel and 32,000 bbls. cement.

TACOMA, Wash.—War Department proposes improvements to Camp Lewis totaling $3,000,000. Permanent quarters will be erected for filed artillery. Specifications for the new buildings have been requested by Major Napoleon W. Riley, Q. M. C., assistant chief of staff for supplies and transportation.

WASHINGTON, D. C.—Bids will be received until February 1, 1922, at 11 o'clock A. M. by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for refrigerating and ice making equipment and storage plant at the Naval Base, San Diego; Specification No. 4543. **See call for bids under official proposal column.**

WASHINGTON, D. C.—Bureau of Yards and Docks, Navy Department, is preparing Specification No. 4577 for extending building 368 for ordnance storage at Puget Sound Navy Yard, and Specification No. 4579 for gun shed and stable at Marine Corps Base, San Diego, Calif. Plans for these structures have not yet been completed and applications for same are useless.

Bureau has completed Specification No. 4574 for radio station at Tatoosh, Washington, and plans may be secured on deposit of $10. Bids will be asked shortly.

VALLEJO, Solano Co., Cal.—Bureau of Ordnance, Washington, D. C., has authorized the construction of six target rafts at the Mare Island Navy Yard; rafts to cost $300,000, completed at the rate of one a month.

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WASHINGTON, D. C.—The following bids were received by the chief of the bureau of yards and docks, Navy Department, Washington, January 18, under specification 4527, for post exchange and dispensary buildings at the naval operating base, San Diego, Calif.:

Item 1, entire work complete; 2, do, based on alternative A.

W. F. Martens, 53 Franklin St., Rochester, N. Y., Item 1, $177,349; dispensary, 200 days; post exchange, 225 days; 2, $169,644; 220 and 230 days.

Campbell Bldg. Co., 801 Newhouse Bldg., Salt Lake City, item 1, $169,670, 165 days.

Lange & Bergstrom, 819 Timken Bldg., San Diego, Calif., item 1, $181,000; time specified.

Walter Slater Co., 2314 Santa Fe Ave., Los Angeles, Calif., item 1, $220,000, 195 days; 2, $225,000, 195 days.

K. E. Parker Co., 519 California St., San Francisco, item 1, $182,465, 225 and 250 days; 2, $199,000, 225 and 250 days.

W. E. Kier & Wm. Simpson Construction Co., 813 1st National Bank Bldg., San Diego, Calif., item 1, $184,000, 210 days; 2, $181,500, 210 days.

Wright & Doran, 345 Spreckels Bldg., San Diego, Calif., item 1, $197,000, 165 and 195 days.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, January 13—Sealed proposals will be opened in this office at 3 P. M., February 10 for all labor and materials for the installation complete of mail conveying machinery in the U. S. post office at Portland, Ore., in accordance with the drawing and specification, copies of which may be had at this office, in the discretion of the supervising architect. James A. Wetmore, acting supervising architect.

BUREAU OF YARDS AND DOCKS, Navy Department, Washington—Bids are wanted until February 15, specification 4563, for constructing 6 barracks and entrance gates at the naval station, San Diego, Calif. Deposit for plans, $20. For information address the chief of the bureau of yards and docks.

BUREAU OF YARDS AND DOCKS, Navy Department, Washington—Bids are wanted until March 1, specification 4562, for constructing sea wall at Puget Sound. Deposit for plans, $10. For information address the chief of the bureau of yards and docks.

OFFICE CONSTRUCTING QUARTERMASTER, FORT MASON, Cal.—Sealed proposals for constructing a concrete storehouse at Letterman General Hospital, Calif., will be received here until Feb. 8, 1922, 11 A. M. Deposit of $10 required for plans and specifications.

SAN DIEGO, Cal.—Bids are being received by Custodian, U. S. Quarantine Station, for extending driveway. Date of opening bids not set. Further information on application.

HALLS AND SOCIETY BUILDINGS

Plans Being Figured.
GYMNASIUM Cost, $16,000
ALAMEDA, Cal. 2255 Santa Clara Ave.
One and one-half story frame and concrete gymnasium and handball court for club.
Owner—Alameda Elks Club.
Architect Hamilton Murdock and Harvey Thompson, Syndicate Bldg., Oakland.
Plans may be obtained from the secretary of the lodge.

Working Drawings Ordered.
LODGE BLDG. Cost, $200,000.
BAKERSFIELD, Kern Co., Cal. 18th Street between F and D Sts.
Four-story Class A lodge building.
Owner—Masonic Temple Association.
Architect—Carl Werner, Humboldt Bk. Bldg., San Francisco.

Plans Being Figured.
CLUB Cost, $30,0000
MODESTO, Stanislaus Co., Cal. 14th Street bet. I and J Sts.
Two-story and basement brick and concrete club building, 55x137 (auditorium to seat 700).
Owner—Women's Improvement Club of Modesto.
Architect—I. W. Marlowe, Care Hansen & Woods, Modesto.

Figures to be Taken in a Few Days.
LODGE BLDG. Cost, $300,000
BAKERSFIELD, Kern Co., Cal.
Five-story Class A lodge building.
Owner—Bakersfield Lodge of Elks.
Architect—Meyer & Johnson, Bankers' Investment Bldg., San Francisco.

Plans Being Figured—Bids Close Feb. 4, 4 P. M.
LODGE HALL Cost, $——
MONTEREY, Monterey Co., Cal. Main Street.
Reinforced concrete lodge hall.
Owner—Knights of Pythias, Lodge No. 180, S. Ruthven, secretary building committee, Monterey.
Architect—Tuttle & Millar, Monterey.

HOSPITALS

Contract Awarded.
OFFICE BLDG., ETC. Cost, $——
LOS ANGELES. 2423 S Hope St.
Three-story administration and office building 58x62, and three-story Nurses' Home 41x42; brick with plaster exterior, composition and tile roof.
Owner — Los Angeles Orthopaedic Foundation.
Architect—E. L. Mayberry, 472 Pacific Electric Bldg., Los Angeles.
Contractor — Richards-Neustadt Construction Co., Los Angeles Trust and Savings Bldg., Los Angeles.

Plans Being Completed.
HOSPITAL BUILDINGS Cost, $3[illegible],000
Equipment, $100,000.
BAKERSFIELD, Kern Co., Cal. Kern Mesa near East Bakersfield.
Group of fireproof hospital buildings, brick and terra cotta trimmings.
Owner—County of Kern, F. E. Smith, Clerk.
Architect—Chas. H. Biggar, First National Bank Bldg., Bakersfield, Cal.

SACRAMENTO, Cal.—Until Feb. 9, 1.30 P. M., bids will be received by W. A. Russell, secretary Hospital Central Committee, for installation of kitchen and service equipment and refrigerating plant in service building at Weimar Joint Sanitarium in Placer County. **See call for bids under official proposal section in this issue.**

EUREKA, Humboldt Co., Cal.—Until Feb. 14, 2 P. M., bids will be received by Fred M. Kay, county clerk, for constructing building to house laundry and heating plant at Tubercular Hospital. Newton Ackerman, Eureka, architect. Plans may be had from clerk.

HOTELS

Contract Awarded.
HOTEL Cost, $——
GLENDALE, Los Angeles Co., Cal. NE Glendale Ave. and Broadway.
Six-story reinforced concrete hotel.
Owner—Ambrosini Hotel Co.
Architect—Roy L. Kent Co., 130 S Brand Blvd., Glendale.
Contractor—Fred B. Davis Co., 431 Merchants National Bank Bldg., Los Angeles.

HOLLYWOOD, Cal. — Milwaukee Building Co., Wright-Callender Bldg., Los Angeles, is preparing plans and will erect a $1,250,000, five-story reinforced concrete hotel building to replace the present Hollywood Hotel, cor. Hollywood Blvd. and Highland Ave. for Hollywood Hotel Co., G. S. Kram, manager. The first unit consting $325,000, will be started in February and will be 5-story, 56x150 ft.; 108 rooms, each with private bath; stores in the first story. Completed structure to contain 1000 rooms.

FULLERTON, Orange Co., Cal.—Architect M. Eugene Durfee, Anaheim, and F. K. Benchley, Fullerton, have completed plans and are taking bids for the new hotel building at Fullerton for Community Hotel Co. Brick construction, 3-story, 135x160 ft., 100 rooms, stores in first story, 46 baths, stucco exterior, cast stone, plate glass, tile and composition roof, pine trim, tiled baths, steam heat, boilers, elevators, fire doors and windows, structural steel, ornamental iron, marble work, wall beds; $150,000. Bids will be received Feb. 1. Bids taken separately on excavating, general contract, electric wiring, iron and steel work, painting, wall beds, plumbing, heating and elevator.

POWER PLANTS

PEACH SPRINGS, Ariz.—R. U. Fitting, treasurer of Parklap Construction Corp. of New York City, after an inspection of site for proposed power plant at Diamond creek, near Peach Springs, Ariz., declares work on project will be started as soon as a final permit is issued by Federal power commission. He states the cost of dam, power plant and transmission lines to furnish power to copper mines of Arizona is estimated at $30,000,000. A dam 400 ft. high is planned to develop 150,000 horsepower. Parsons

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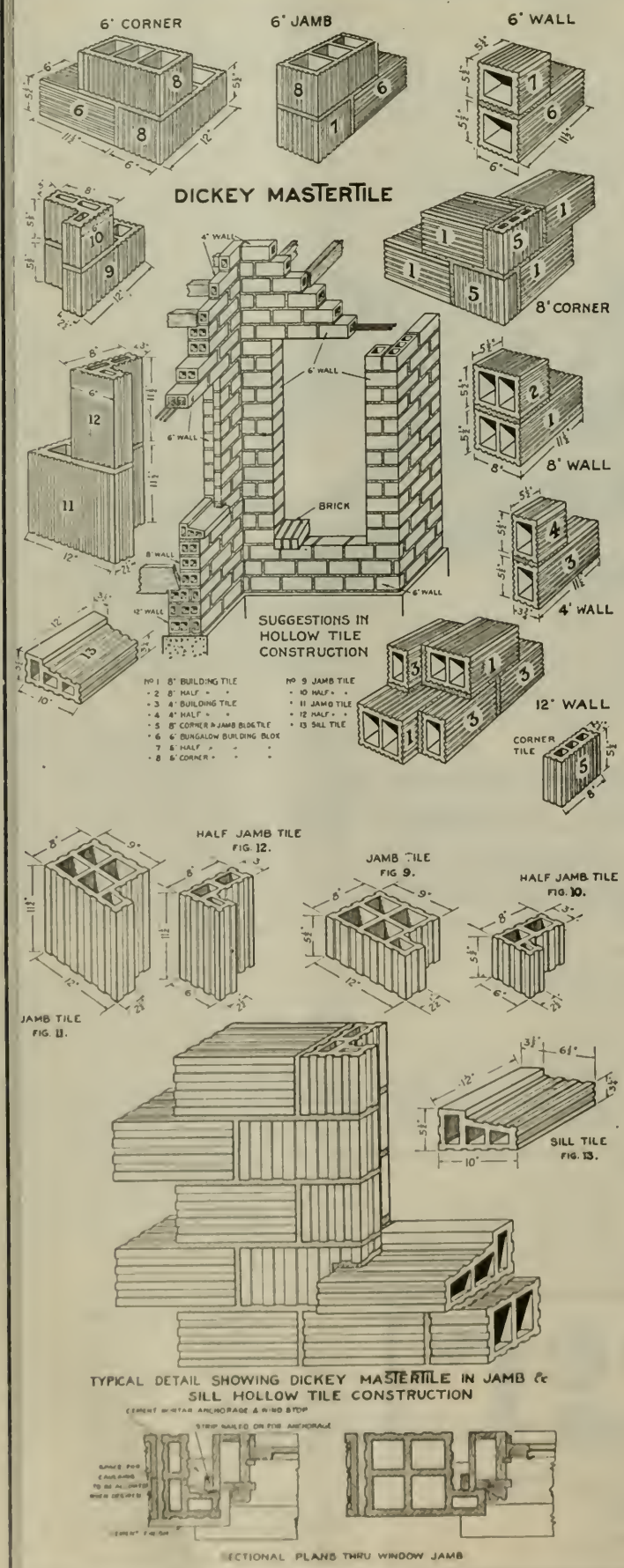

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Klapp, Brinckerhoff & Douglas are engineers for Parklap Construction Corp. Copper interests headed by Col. John A. Greenway of Bisbee, are back of project.

PUBLIC BUILDINGS

Commissioned to Prepare Plans.
CITY HALL Cost, $70,000
PITTSBURG, Contra Costa Co., Cal. The block bounded by Cumberland, Railroad, Eighth and Ninth streets, facing on Ninth street.
Two-story and basement Class C reinforced concrete and brick City Hall building with auditorium to seat 450 people.
Owner—City of Pittsburg.
Architect—Benj. G. McDougall, 381 Bush St., San Francisco.

SAN FRANCISCO — M. E. Ryan, Clunie Bldg., at $3,849 awarded contract by the Board of Public Works to install electric wires and conduits for additional feed and plug outlets in the Municipal Auditorium. John Reid Jr, City Architect.

Plans Approved—Figures To Be Called For Shortly.
AQUARIUM Cost, $250,000
SAN FRANCISCO. Golden Gate Park. Reinforced concrete and stone aquarium.
Owner—California Academy of Sciences, gift of Ignatz Steinhart.
Architect—Louis P. Hobart, Crocker Bldg., San Francisco.
NOTE—There will be a center court with pond representing a tropical swamp for tropical fish and an annex for the other fish.

HOLLISTER, San Benito Co., Cal.—Bonds of $32,000 have been voted by county to purchase site in Hollister on which to erect soldier memorial.

RESIDENCES

Plans Being Prepared.
RESIDENCE, ETC. Cost, $15,000
KINGSBURG, Fresno Co., Cal.
Frame residence, garage and barn.
Owner—Algot Peterson, Kingsburg.
Architect—Anton Johnson, Kingsburg.

Bids In
RESIDENCE Cost, $12,000
SAN FRANCISCO. W 10th Ave. 366 N Balboa.
Two-story and basement frame residence.
Owner—Wm. F. Windeler.
Architect—August Nordin, Mills Bldg., San Francisco.

Plans Being Prepared — Contract Awarded on a Percentage Basis.
RESIDENCE Cost, $30,000
BURLINGAME, San Mateo Co., Cal.
Two-story frame and plaster temporary residence.
Owner—Rudolph Spreckels.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.
Contractors—Grace & Bernieri, Claus Spreckels Bldg., San Francisco.
When the permanent residence is erected later this structure will be used as a garage.

Low Bidder.
RESIDENCE Cost, $——
PERKELEY, Alameda Co., Cal. Avalon Avenue.
Two-story frame and plaster residence with terra cotta roof, also a reinforced concrete bulkhead.
Owner—J. B. Harve, Kohl Bldg., San Francisco.
Architect — Benj. G. McDougall, 381 Bush St., San Francisco.
Low Bidder—E. T. Leiter & Son, Call Bldg., San Francisco.

Plans Being Prepared—Figures Will be Taken in About a Week.
RESIDENCE Cost, $9000
SAN FRANCISCO. Merritt Terrace.
Two-story and basement seven-room frame residence with garage in basement.
Owner—Mr. Keller.
Architect — Walter Falch, Hearst Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, $11,627
SAN FRANCISCO. W 10th Ave. 366 N Balboa.
Two-story and basement frame residence.
Owner—Wm. F. Windeler.
Architect—August Nordin, Mills Bldg., San Francisco.
Contractor—Collman & Speidel, Monadnock Bldg., San Francisco.

Contract Awarded.
DWELLING Cost, $13,000
PIEDMONT, Alameda Co., Cal. E Sea View Avenue 543 N La Salle Ave.
Two-story and basement frame dwelling and garage.
Owner—Chas. H. and Orrie J. Bain, 24 Monticello Ave., Piedmont.
Architect—Albert Farr, 68 Post St., San Francisco.
Contractor—Alfred Peterson, 3918 Linwood Ave., Oakland

STOCKTON, San Joaquin Co., Cal.—Architect Franklyn E. Warner, Belding Bldg., is preparing plans for a $15,000 residence to be erected in Stockton. Further details withheld until the plans are further advanced.

SCHOOLS

Plans Being Prepared.
SCHOOL Cost, $150,000
KERMAN, Fresno Co., Cal.
Two-story fireproof high school building.
Owner—Kerman High School District.
Architect — Anton Johnson, Kingsburg, California.

Plans Being Prepared.
SCHOOL BLDGS. Cost, $250,000
LODI, San Joaquin Co., Cal.
Brick and concrete high school buildings.
Owner—Lodi High School District.
Architects—Stone & Wright, Bank of Italy Bldg., Stockton.
A bond election will be held on Feb 17th.

Plans Being Prepared.
ADDITION Cost, $75,000
SACRAMENTO. Fremont School, 16th and N Sts.
Brick and concrete addition to school.
Owner—Sacramento Board of Education.
Architect—Architectural and Engineering Commission, Hemmings, Petersen & Hudnutt, City Library Bldg., 9th and J Sts., Sacramento.

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Figures To Be Called For This Week
SCHOOL Cost, $——
SONOMA, Sonoma Co., Cal.
Two-story reinforced concrete high school building 170x145.
Owner—Sonoma High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

Working Drawings Being Prepared.
SCHOOL Cost, $65,000
LODI, San Joaquin Co., Cal. Pleasant Avenue and Walnut Street (St Anne's Parish).
One-story reinforced concrete parochial school (4 classrooms, 2 music rooms, assembly hall, administration suite; the banquet hall will be in the basement).
Owner—Roman Catholic Archbishop. Edw. Maher, Pastor.
Architect — John J. Donovan, Pacific Bldg., Oakland.

Plans Being Figured—Bids Close Feb. 4, 8 P. M.
SCHOOL Cost, $70,000
MERCED, Merced Co., Cal. J St. near Twenty-first St.
One-story 10-room reinforced concrete elementary school.
Owner—Merced Elementary School District, J. W. Spangoli, Clerk.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.
NOTE:—Heating bids will be taken separately. **See call for bids under official proposal section in this issue.**

Plans Being Prepared.
ADDITION Cost, $25,000
PALO ALTO, Santa Clara Co., Cal. Near Palo Alto.
One-story 4-room brick school addition.
Owner—Ravenswood School District.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.
Plans will be ready for figures in about a month.

Plans Being Figured—Bids Close Feb. 14, 1922, 8:30 P. M.
SCHOOL Cost, $——
PASADENA, Los Angeles Co., Cal. Andrew Jackson School Site.
One-story hollow tile grammar school, 231x164 ft.
Owner—Pasadena Board of Education. N. G. Felker, Clerk.
Architects—Marston & Van Pelt and E. W. Maybury, Associated. 600 Chamber of Commerce Bldg., Pasadena.
Separate figures will be taken for a general contract, plumbing, heating, painting and electric wiring.

Figures to be Taken in About Two Weeks.
SCHOOL Cost, $20,000
KELSEYVILLE, Lake Co., Cal.
One-story 4-room reinforced concrete school.
Owner—Kelseyville School District.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.

Figures To Be Called For About First of March.
SCHOOL Cost, $140,000
GRASS VALLEY, Nevada Co., Cal.
Two-story reinforced concrete high school (18 rooms).
Owner—Grass Valley High School District.
Architect—Wm. Mooser & H. B. Simpson, Nevada Bank Bldg., San Francisco.

Figures to be Called for Shortly.
HORTICULTURE BLDG. Cost, $100,000
DAVIS, Yolo Co., Cal.
Two-story hollow tile horticulture building
Owner—University of California.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.

Contracts Awarded.

DAIRY BLDG. Cost, $——

DAVIS, Yolo Co., Cal.

One-story reinforced concrete and hollow tile dairy building.

Owner—University of California.

Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.

Carpentry and Millwork to John Morton, Balboa Bldg., San Francisco, at $37,150.

Lathing and Plastering to Leonard Bosch, San Francisco, at $12,150.

Roofing to Western Asbestos Co., San Francisco, at $5112.

REEDLEY, Fresno Co., Cal.—Architect Norman F. Marsh, 210 Broadway Central Bldg., Los Angeles, is preparing working plans for a group of buildings to be erected at Reedley, Fresno County, for Reedley joint union high school. Bonds in the sum of $450,000 have been voted and sold for buildings and equipment. Six buildings, two-story administration building with auditorium to seat 1800. Four of the buildings will be of brick construction with plaster exteriors, tile and composition roofing. The gymnasium and cafeteria buildings will be of frame and plaster construction.

WHITTIER, Los Angeles Co., Cal.—John Simpson & Co., 701 Antonio St., Los Angeles, were low bidders at $139,-950 on the general contract for the new junior high school bldg. to be erected at Whittier. The low bidders on the other contracts were: Whittier Hardware Co. on the plumbing at $10,-002.69; Wormell & Drawbaugh of Pasadena, on the painting at $6,970; Wark Akeley, Long Beach, on the electrical work at $3,620; and Potter-Strutz Radiator Corp., on the gas heating at $3,977.50. John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles, and W. Horace Austin, Long Beach, associate architects. Two-story reinforced concrete construction, plaster exterior, cast stone trim, tile and composition roof, pine trime, beech floors.

YUBA CITY, Sutter Co., Cal.—Until Feb. 4, 1 P. M., bids will be received by C. H. Hartwig, secretary Central-Gaither Union School District, for painting school. Specifications may be had from Architects Geo. C. Sellon & Co., Mitau Bldg., Sacramento, on deposit of $25, returnable.

LOS ANGELES, Cal.—Architect Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles, is preparing plans for a zoological laboratory building for Pomona College at Claremont. The building is being donated to the college by D. C. Crookshank of Pomona. Fred L. Somers, 2650 Santa Fe Ave., Los Angeles, is the contractor. Excavating is being started. Two-story and basement, 52x120 ft., reinforced concrete frame and floors, hollow tile filler walls, stucco exterior finish, cast stone trim, clay tile roofing, steam heating, etc.: $100,000.

SACRAMENTO, Cal.—Until Feb. 6, 5 P. M., bids will be received by Chas. C. Hughes, secretary Board of Education for furnishing 100 or more movable school chair desks; samples to be furnished with each bid.

CAMPBELL, Santa Clara Co., Cal.—Low bids received by Campbell-San Tomas School District for constructing reinforced concrete grammar school from plans of Architect W. H. Weeks, 369 Pine St., S. F.: Excavating, Grading and Concrete Work, Wm. Martin, 180 Jessie St., S. F., $22,178; Carpentry, Morrison Bros., Santa Clara, $44,508; Heating and Ventilating, Carl T. Doell, 467 21st St., Oakland, for direct system $5,733, and for split system $11,716; Roofing, Malot & Peterson, 2412 Harrison St., S. F., $1,357 for composition roofing, for tile roofing, United Materials Co., Sharon Bldg., S. F., $7,890; Lathing and Plastering, Chas. Terranova, 180 Jessie St., S. F., $13,850; Masonry (general) Mealey & Collins, 180 Jessie St., S. F., for brick venner, same bidder, $18,500; Excavating, Concrete and Carpentry (comb. bid) Fink & Schindler Co., 226 13th St., S. F., $75,500; Plumbing, Scott Co., 243 Minna St., S. F., $8,098; Sheet Metal Work, R. Dalzier, Jr., 467 21st St., Oakland, $1,497; Comp. Flooring, Malot & Peterson, 2412 Harrison St., S. F., $623; Glass and Glazing, W. P. Fuller Co., Beale and Mission Sts., S. F., $1,920; Electric Work, Century Electric Co., 229 11th St., S. F., $3,230; Light Fixtures, Boyd Electric Fixture Co., $1,695; Painting, D. Zelinsky, 180 Jessie St., S. F., $4,125; Iron and Steel, Shrader Iron Works, 1247 Harrison St., S. F., $1,870; Hardware, Joost Bros., 1052 Market St., S. F., $2,463; Blackboards, Stewart Sales Co., 515 E Main St., Stockton, $1,830; Shades, Robinson & Son, 227 S 1st St., San Jose, $1,426. Following is complete list of bids submitted:

Excavating, Grading and Concrete—Barrett & Hilp, $23,328; Morrison Bros., $30,595; Cobby & Owsley, $29,460; Stockholm & Son, $28,000; R. O. Sommers, $30,690; Wm. Martin, $22,178; Fink & Schindler, $28,636.

Carpentry—Barrett & Hilp, $46,748; Morrison Bros., $44,508; Cobby & Owsley, $60,490; Stockholm & Son, $54,-175; R. O. Sommers, $52,662; Wm. Martin, $47,610; Fink & Schindler, $47,582.

Heating and Ventilating—(a) direct, (b) split system; Luppin & Hawley, (a) $10,164, (b) $14,333; Scott Co., (a) $8,-780, (b) $13,050; Fred Studer, (a) $9,-567, (b) $15,444; Christensen & Anderson, (a) $10,610, (b) $15,750; Robt. Dalziel, Jr., (a) $7,987, (b) $12,967; Carl T. Doell, (a) $5,733, (b) $11,716; Latourrette-Fical Co., (a) $10,600, (b) $16,100; J. E. O'Mara, (a) $8,633, (b) $14,550; Turner Co., (a) $9,180, (b) $15,680.

Roofing—(a) Composition, (b) Tile; Malott & Peterson, (a) $1,357; H. C. Brown, (a) $1,484; GladdingMcBean, (b) $7,975; Bender Roofing Co., (a) $1,708; United Materials Co., (b) 7,890; Fibrestone & Roofing Co., (a) $1,850.

Lathing and Plastering—Chas. Terranova, $13,850; A. Knowles, $20,000; Jas. F. Smith, $22,500.

Masonry—General, Mealy & Collins, $2,200; for brick veneer, $18,500.

Comb. Bid (Excavating, Concrete and Carpentry—Cobby & Owsley, $98,000; Fink & Schindler, $75,500.

Plumbing—Christensen & Anderson, $9,184; Scott Co., $8,098; R. Dalziel, Jr., $9,497, Carl T. Doell, $7,654; Wm. C. Serpa, $8,307; Latourrette-Fical Co., $8,210; J. E. O'Mara, $8,500.

Sheet Metal Work—R. Dalziel, Jr., $1,497; Garden City Sheet Metal Works, $1,950; W. Heidt Cornice Co., $2,077; Christensen & Anderson, $2,080; Forderer Cornice Co., $2,290.

Composition Flooring—Fibrestone & Roofing Co., $650; Malott & Peterson, $693.

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Asbestos and Magnesia Steam Pipe and Boiler Covering

Glass and Glazing—W. P. Fuller Co., $1,920; Cobbledick-Kibbe, $1,995.

Electric Wiring—Century Electric Co., $3,230; Latourrette-Fical Co., $3,-420; Watts Elec. Co., $3,700; Turner Co., $4,120; Garden City Elec. Co., $4,-770; M. E. Ryan, $5,315; Berkeley Elec. Co., $5,413.

Lighting Fixtures—Boyd Electric Fixture Co., $1,695; Thos. Day Co., (alternate for Snow System, $1,378), $2,-142; Berkeley Elec. Co., $2,263; Roberts Mfg. Co., $2,300.

Painting—D. Zelinsky, $4,125; A. Quandt, $5,357; R. Zelinsky, $7,770; L. H. Brown, $9,943.

Iron and Steel—Fair Mfg. Co., $1,892; Shrader Iron Works, $1,870; Union Iron Works, $2,287.

Hardware—Joost Bros., $2,463; Hundley & Mahony, $2,919; San Jose Hardware Co., $3,000.

Blackboards — Weber Co., $2,270; Stewart Sales Co., $1,830.

Shades—D. N. & E. Walter, $1,790; Robinson & Son, $1,426.

Linoleum—D. N. & E. Walter, $2,157; W. & J. Sloane, $2,125; Alfred Madson Co., $1,946.

Clock System—International Time Recording Co., $915; Pacific Electric Clock Co., $1,150; Standard Electric Time Co., $998.

Comb. Bid (Plumbing, Heating and Electric — Latourrette-Fical, $26,000 (split system), and for direct system, $21,000.

BERKELEY, Cal.—The following bids were received on January 25th in the office of Comptroller of the University of California for work in connection with the construction of a reinforced concrete building to be known as the "Student Union Building." It will be erected on the University grounds in Berkeley. John Galen Howard, First National Bank Bldg., San Francisco, is the architect. All bids were taken under advisement.

Tile and Brick Work

M. B. McGowan	$27,987
Mealy & Collins	31,000
H. N. Larsen	33,000
White & Gloor	33,400

Glazing Work

Friedman Bros.	$1,750
W. P. Fuller & Co.	2,500
Cobbledick & Kibbe	4,325

Carpentry Work

West Coast Constr. Co.	$34,723
Taylor & Jackson	38,428
John Morton	38,500
R. McLeran & Co.	39,490
Mathew Morton	40,817
Wm. Bateman	57,646
Jos. Schneider & Co.	70,000

Interior Plastering Work

Wm. Makin	$14,390
A. Knowles	16,170
C. C. Morehouse	20,900
Wm. G. Gilmour	21,000
Jas. F. Smith	22,600
R. D. Felt	25,900
Peter Bradley	26,900
Leonard Bosch	27,870
Herman Bosch	29,000

Cast and Wrought Metal Work

Calif Artistic Metal & Wire Co.	$2,772
Monarch Iron Works	2,800
Michel & Pfeffer	3,115
Pacific Iron & Wire Works	3,885

Metal Window Work

U. S. Metal Products Co.	$ 9,998
Waterhouse & Wilcox Co.	20,944
International Casement Co.	23,550

Exterior Cement Work

A. Knowles	$34,250
C. C. Morehouse	35,000
Wm. Makin	36,860
James F. Smith	47,000
Wm. Gilmour	57,000
Peter Bradley	57,100
Herman Bosch	57,600
Leonard Bosch	58,975

Painting

D. Zelinsky & Son	$10,500
J. A. Mohr & Son	13,998
A. Quandt	14,269

R. Zelinsky 14,970
J. A. Turgean 22,342

Terrazzo Work

Peter Grassi $8,280
American Marble & Mosaic Co.. 8,500

Marble Work

Mission Marble Works.....$2,000
Sculptors Work Shop..... 2,101
Ray Cook Marble Co..... 2,300
American Marble & Mosaic Co... 2,501
Jos. Musto Sons-Keenan Co.... 2,667

STORES AND OFFICES

Plans Being Prepared.
STORES Cost, $50,000
STOCKTON, San Joaquin Co., Cal. Weber Avenue.
Two-story reinforced concrete and brick store and loft building, 50x 100.
Owner—Cutting & Lusigan.
Architect & Contractor—Davis-Heller-Pearce Co., Delta Bldg., Stockton.
Work will be started about March 15th.

Contract Awarded.
STORE BLDG. Cost, $19,000
SAN FRANCISCO. S Mission 200 W 6th Street.
Two-story brick store building.
Owner—Garrett M. Goldberg Co., 1099 Folsom St., San Francisco.
Architect—None.
Contractor—Geo. Wagner, 251 Kearny St., San Francisco.

Contract Awarded.
REPAIRS Cost, $19,000
SAN FRANCISCO. SW Golden Gate Ave. and Hyde.
Repair fire damage.
Owner—Joseph Estate.
Architect—T. Paterson Ross, 310 California.
Contractor—H. D. Nichols, 1381 Stevenson St., San Francisco.

Plans Being Prepared.
STORE & LOFT BLDG. Cost, $500,000
LOS ANGELES, Cal. SE Seventh and Hill Streets.
Twelve-story and basement Class "A" store and loft building, 66x68.
Owner—Geo. H. Cutts.
Lessee—Sun Drug Co.
Architect—Aleck E. Curlett, 518 Merchants National Bank Bldg., Los Angeles.
Consulting Architects—Morgan, Walls & Morgan, Van Nuys Bldg., Los Angeles.

Contract Awarded.
BAKERY Cost, $10,000
SAN FRANCISCO. S Minna 175 W 6th.
One-story reinforced concrete class C bakery.
Owner—Sierra Investment Co., Room 318, 26 Montgomery St., S. F.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Contractor—L. A. Hinson, 26 Montgomery St., San Francisco.

Grading Contract Awarded—Figures To Be Taken Shortly On Balance Of The Work.
STORE, ETC. Cost, $30,000
SAN FRANCISCO. S Sutter Street bet. Stockton and Powell Streets.
Two-story and basement class C store and studio building (3 stores).
Owner—Proctor & Chamberlain.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.
Grading awarded to Sibley Grading & Teaming Co., 135 Landers St.,

Grading Figuring Being Taken—Other Figures To Be Taken Shortly.
STORE BUILDING Cost, $50,000
SAN FRANCISCO. SW Sutter and Mason.
Two-story basement and mezzanine floor class C store and loft building.
Owner—Proctor & Chamberlain.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.

Contracts Awarded.
OFFICE BUILDING Cost, $70,000
SAN FRANCISCO. S Sutter 188 W Powell.
Four-story and basement reinforced concrete store and office building.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—D. C. Coleman, 110 Sutter St., San Francisco.
Concrete Work to Mission Concrete Co.
Plumbing and Heating to Scott Co.
Reinforcing Steel to Gunn-Carle Co.

Contract Awarded.
OFFICE BUILDING Cost, $103,000
PORTLAND, Ore. Ninth and Oak Sts.
Four-story brick and tile stores and office building 112x100x122.
Owner—T .M. Fitzpatrick.
Architect — Houghtaling & Dougan, Henry Bldg., Portland, Ore.
Contractor—Oscar Wayman, Worcester Bldg., Portland, Ore.

Plans Being Prepared.
STORES Cost, $——
SAN FRANCISCO. W Mission St. bet. Seventeenth and Eighteenth Sts.
Two-story Class C store and loft building.
Owner—Mission Realty Co.
Architect—A. J. Horstman, 304 Anglo Bldg., 16th and Mission St., San Francisco.

MERCED, Merced Co., Cal.—Merced Irrigation District has purchased a site, 100 by 150 ft., at Alameda and 18th Sts., on which it proposes to erect office building.

OROVILLE, Butte Co., Cal.—Jas. S. Crain, Oroville, has purchased property on Huntoon street between Bird and Robinson streets, 132 by 40 feet, and will erect a two-story office building.

STOCKTON, San Joaquin Co., Cal.—Architect Franklyn E. Warner, Belding Bldg., is preparing plans for a store and office building to be erected in Stockton. Estimated cost, $50,000. Details will be published in the immediate future.

THEATRES

Plans Completed.
SCENIC RAILWAY Cost, $30,000
OAKLAND. Idora Park.
Scenic railway.
Owner—Joseph Smith, premises.
Architect—Not Given.

Sub-Figures Being Taken—Concrete Work Awarded.
THEATRE Cost, $21,000
SAN FRANCISCO. W Embarcadero 91-8 N Mission Street.
One-story brick moving picture theatre building.
Owner—Aaron Goldberg, Room 912, 110 Sutter St., San Francisco.
Architect—Albert W. Burgren, 110 Sutter St., San Francisco.
Contractor—G. P. W. Jensen, 180 Jessie St., San Francisco.
Chas. H. Nilson, 180 Jessie St., has been awarded a contract for the concrete work.

ZOURI
STORE FRONTS
COBBLEDICK-KIBBE GLASS CO.
SAN FRANCISCO OAKLAND

Contracts Awarded.
THEATRE Cost, $——
SAN FRANCISCO. S Geary 137-6 W Mason St.
Class A Theatre.
Owner—Curran Theatre Co.
Architect—A. H. Jacobs, 110 Sutter St., San Francisco.
Carpentry and mill work awarded to Ira W. Coburn, 180 Jessie St., $18,463.
Marble work to Joseph Musto Sons-Keenan Co., 535 North Point. St., $7,718.

Contract Awarded.
THEATRE Cost, $——
RICHMOND, Contra Costa Co., Cal. MacDonald Ave.
One-story class A theatre and store building.
Owner—Turner & Dahnken.
Architect—A. W. Cornelius, Merchants National Bank Bldg., San Francisco.
Electric Work to Pacific Electrical Construction Co., 1117 Market St., San Francisco, $12,500.
Plastering to Wm. Makin, 1048 Excelsior St., Oakland at $14,500.

FRESNO, Fresno Co., Cal.—L. W. Wilson and J. A. Benham have purchased a site at the southwest corner of J and Stanislaus Sts., and will erect a motion picture theatre, exceeding by one thousand, the seating capacity of any structure in this city. Benham & Wilson are owners of the Benham Ice Cream Company with main offices in Fresno. Definite plans for the structure will be outlined in the immediate future.

JOHNS-MANVILLE, INC. ANNOUNCES 11 PER CENT SALARY INCREASE

Johns-Manville, Inc., the largest producers of asbestos products in the World, have just notified the deserving employees, whose salaries were reduced 10 per cent on October 1st, 1921, that in order to encourage them and help them put forth greater effort, the salaries paid them prior to October 1st would be reinstated as of January 1st. Increased efficiency, they believe, will absorb the difference and in that way will not increase the cost of the Johns-Manville products.

The announcement was made by the Board of Directors, composed in part of branch managers from offices in all section of the country, meeting in New York, to lay out plans for the present year.

"This action has been taken," says the statement authorized by the Board, "in the belief that the tide of business conditions has changed and is turning for the better. Even in the face of lower prices, it is our belief that salary increases at this time will stimulate personnel to harded work and more economical production and distribution and thus bring about a more speedy improvement of business.

"We urge all members of the Johns-Manville organization to do their utmost toward hastening business recovery by effecting a wider distribution of those products of Asbestos which enable all industry to cut production costs. It is because of the economies that can be effected by use of Asbestos materials that we want to stimulate their wider distribution through this encouragement to our employees. By helping yourselves, you can in this way, help all industry."

In seven years the sales to tourists in Denver have brought August, once the poorest in the business man's calendar next to December, the busiest in point of sales.

Official Proposals

NOTICE TO BIDDERS

On the Construction of a New School Building for the Ripon Union High School District, San Joaquin County, California

Notice is hereby given by order of the Board of Trustees of The Ripon Union High School District that separate proposals will be received at the Ripon Union High School Building, located in the Ripon Union High School District, in the town of Ripon, County of San Joaquin, State of California, **until Saturday, February 4th, 1922, up to 1 P. M.,** for the furnishing of all labor and materials necessary for the construction of the following items in connection with the gymnasium for the Ripon Union High School:

1. Carpentering, labor, lumber and millwork.
2. Excavating, concrete, tile and brickwork.
3. Plastering.
4. Painting and tinting.
5. Plumbing and sheet metal work.
6. Electrical work.
7. Roofing.

The above work is necessary for the construction of this gymnasium building in accordance with plans and specifications on file, which may be seen at the office of C. H. Young, 903-4-5 Commercial and Savings Bank Building, Stockton, California, the authorized architect for the Board.

All bids must be accompanied by a certified check or certificate of deposit for not less than 10 per cent of the amount bid, and conditioned that the successful bidder shall enter into a contract in accordance with such bid, and file with said Board of Trustees a surety bond to be approved by said Board, both as to form and sureties thereon, within five (5) days after acceptance of his bid, which bond shall be conditioned for the faithful fulfillment of the contract entered into, and to be for at least fifty per cent of the amount of the contract price for the work to be done thereunder. Upon failure of the bidder to execute such contract and bond within said five (5) days said ten per cent of the amount bid shall be forfeited to said Ripon Union High School District. All the work to be done and materials to be furnished shall be in accordance with the plans and specifications herein specified, and all bids herein will be opened at the hour of 1 P. M. on the 4th day of February, 1922, by said Board of Trustees of the Ripon Union High School District, in the County of San Joaquin, State of California.

All bids must be submitted on forms obtained from the architect, said Board of Trustees reserving the right to reject any and all bids.

By order of the Board of Trustees of the Ripon Union High School District, County of San Joaquin, State of California.

Dated Jan. 10th, 1922.

JEAN W. HARD, President.
C. E. MARTINELLI, Clerk.
M. N. FOSTER.
IRA T. MARTIN.
M. J. COSGRIFF.

BIDS WANTED FOR KITCHEN AND SERVICE EQUIPMENT AND REFRIGERATING PLANT

NOTICE TO CONTRACTORS

Office of the Secretary of the Hospital Central Committee for the counties of Amador, Colusa, Contra Costa, El Dorado, Placer, Plumas, Sacramento, Sutter, Tuolumne, Yolo and Yuba, Sacramento City, California.

Pursuant to an order of the Hospital Central Committee for the above named counties of California, made and entered on record on the 10th day of January, 1922

Notice is hereby given that sealed bids will be received by the undersigned **up to and not later than the hour of 1:30 o'clock P. M., of the 9th day of February, 1922,** in the supervisors' room of the Sacramento county court house building, Sacramento City, California, for the installation and completion of kitchen and service equipment and refrigerating plant in the new Service Building at the Weimar Joint Sanitorium, located on a site about one-quarter mile southwest of Weimar Station, in the county of Placer, State of California.

Said kitchen and service equipment and refrigerating plant to be constructed and installed in accordance with the plans and specifications prepared therefor by W. H. Weeks, architect, and adopted by the Hospital Central Committee for the counties above named, which said plans and specifications may be seen and examined during office hours by intending bidders at the architects's office, 369 Pine street, San Francisco, California.

All bids must be accompanied by a certified check or some solvent bank in the sum equal to 10 per cent (10%) of the amount of bid, conditioned that if the contract is awarded the party submitting the accepted bid will enter into contract and furnish such bonds as may be required by law, or that failing so to do, the amount of such check will be forfeited as liquidated damages for such failure. All checks must be made payable to the order of R. E. Callahan, Chairman of the Hospital Central Committee.

The right is hereby reserved to reject any and all bids.

By order of the Hospital Central Committee for the above named eleven counties.

R. E. CALLAHAN, Chairman.
Attest: W. A. RUSSELL, Secretary.

NOTICE INVITING SEALED PROPOSALS FOR THE CONSTRUCTION OF AN ELEMENTARY SCHOOL BUILDING AT MERCED

(1-story, 10-room reinforced concrete structure; estimated cost, $70,000.)

NOTICE IS HEREBY GIVEN, by the Board of Trustees of the Merced School District at Merced, Merced County, California, that bids will be received by said Board for the erection and construction of a new Elementary School Building at Merced in said district.

Plans and specifications may be obtained from the Clerk of the Board at Merced, or from the Architect, Norman B. Coulter, at 46 Kearny Street, San Francisco, California. A deposit of Ten (10) Dollars will be required for each set of plans.

All bids will be opened by the said Board of Trustees **on the 4th day of February, 1922, at eight o'clock P. M.,** at the Grammar School Building on Twenty-second Street, and all bids must be delivered to Mr. J. Spagnoli, Clerk of said Board, before said hour, enclosed in sealed envelopes and marked on the outside, "Bids for construction of Elementary School Building at Merced."

All bids must be accompanied by a certified check, cash or a certificate of deposit, equal to ten per cent of the amount bid; checks or certificates of deposit to be made payable to the Board of Trustees and to be returned to the party or parties whose bid or bids are not accepted, and to the party whose bid is accepted upon his entering into a contract with the said School District and giving such bonds as may be required by law or said Board.

The Board of Trustees reserves the right to reject any and all bids.

J. W. SPAGNOLI,
Clerk of the Board of Trustees of the Merced Elementary School District, Merced, Merced County, California.

BIDS WANTED FOR REFRIGERATING EQUIPMENT

SEALED PROPOSALS, indorsed "Proposals for Refrigerating and Cold Storage Plant, San Diego, Calif., Specification No. 4543," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., **until 11 o'clock A. M., February 1, 1922,** and then and there publicly opened, for refrigerating and ice making equipment using as refrigerant any satisfactory substance except ammonia, and consisting of two motor-driven compressors, condenser, liquid receiver, two motor-driven brine pumps, a combination freezing and brine cooling tank with expansion coils, a water precooler tank with coils, brine agitator, water agitating system by condensed air, core pump, automatic can filler, hand-operated can hoist, automatic can dump and ice chute, ice cans, oil and scale traps, piping and other accessories; and for cold storage rooms with insulation for seven compartments including doors, floors, and equipment for the storage and handling of goods in the Subsistence Building at the Naval Base (Hospital Reservation) San Diego, Calif. Drawings and specification No. 4543, may be obtained on aplication to the Bureau, to the Commandant, Twelfth Naval District, Custom House Building, San Francisco, Calif., or to the Commandant, Eleventh Naval District, Naval Base, San Diego, Calif. Deposit of a check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification.

R. E. BAKENHUS,
Acting Chief of Bureau.

December 19, 1921.

NOTICE TO CONTRACTORS

(Pumping Equipment and Electrical Apparatus)

Notice is hereby given that sealed bids will be received at the office of the Carmichael Irrigation District, up to 2 o'clock P. M., of Saturday, February 11th, 1922, for furnishing and installing pumping machinery and auxiliary equipment and electrical apparatus in the pumping station of the Carmichael Irrigation District in accordance with plans and specifications heretofore adopted by the Board of Directors of said District.

Said plans and specifications may be inspected upon application to the undersigned, or at the office of the Engineer of the District, Albert Givan, 1029 Forum Building, Sacramento, California.

All bids must be accompanied by cash or certified check equivalent to at least ten (10) per cent of the amount of the bid.

The contract will be awarded to that contractor who is deemed to be the lowest and best responsible bidder.

The Board, however, reserves the right to reject any and all bids if he so desires.

L. C. SEARS,
Secretary, Carmichael Irrigation District.

BIDS WANTED FOR CONCRETE STOREHOUSE

NOTICE TO CONTRACTORS

OFFICE CONSTRUCTING QUARTERMASTER, FORT MASON, Cal.—Sealed proposals for constructing a concrete storehouse at Letterman General Hospital, Calif., will be received here until Feb. 8, 1922, 11 A. M. Deposit of $10 required for plans and specifications.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

CHICO, Butte Co., Cal.—Three reclamation districts in this section, acting jointly, appropriated $70,000 for drainage improvements. Districts are: Butte Creek Drainage District, Drainage District No. 200, and Butte District No. 100. Plans have been prepared by J. M. Howells, engineer for District No. 100.

STOCKTON, San Joaquin Co., Cal.—City Engineer W. B. Hogan instructed by Council to prepare plans for bridges over Mormon channel on Center street.

SAN PEDRO, Cal.—Until Feb. 7, 11 A. M., bids will be received by Edw. D. Vincent, Harbor Engineer (City of Los Angeles), for furnishing and delivering 62,720 lin. ft. creosoted piling and 60,827 board feet creosoted lumber. Specifications may be had from the engineer at city hall, San Pedro.

SAN FRANCISCO—Lindstrom & Fergensen, at $54,899, submitted lowest bid to District Engineer C. H. Sweetser, U. S. Bureau of Public Roads, 881 Mills Bldg., for constructing Klamath River Bridge about 23 miles from Happy Camp, Siskiyou County. Other bidders: A. W. Kitchen, $84,759.80; G. Pollock, $61,669; West Coast Construction Co., $58,935.06; Wm. Bruce, $73,975; Davidson & Nicalson, $84,126.65; Jenkins & Elton, $76,449; Mercer-Fraser Co., $74,680; Union Bridge Co., $65,131; Bordwell & Zimmerman, $68,646; B. L. Burr, $81,311.30; Security Bridge Co., $72,612; F. L. Smith, $76,365; C. L. Noel, $81,980; F. H. Neilson, $68,527; F. Bryant, $79,130.

Structure will be 310-ft. span with plank floor; concrete abutments, involving 245 tons structural steel; 102 cu. yds. class A concrete and 39 M. B. M. of lumber.

SAN JOSE, Santa Clara Co., Cal.—Supervisors reject bids for constructing reinforced concrete revetment on Bodfish Mill road over Uvas creek in Supervisor District 5. Estimated cost, $3,600. Irving Ryder, county engineer.

STOCKTON, San Joaquin Co., Cal.—City Engineer W. B. Hogan, preparing estimates of cost for fill-in in McLeod's Lake from El Dorado to Center St. The estimates include the dredging of a portion of Banner Island to make fill.

VISALIA, Tulare Co., Cal.—Until Feb. 16, 2 P. M., bids will be received by Geo. R. Prestidge, County Clerk, for constructing reinforced concrete wing wall extensions to Kings River bridge No. 46, also a concrete pavement 20 ft. wide for same; involving 28.56 cu. yds. Class A concrete in wing extension; 173.10 cu. yds. Class A concrete in pavement; 400 cu. yds. excavation in pavement extension, all tmaerials furnished by county. Laurence A. Moye, County Surveyor.

IRRIGATION PROJECTS

OAKDALE, Stanislaus Co., Cal.—The Oakdale Irrigation District will replace about 1200 ft. open ditch in Oakdale with concrete pipe.

ROSEVILLE, Placer Co., Cal.—Richard P. Doolan heads the committee seeking the formation of irrigation district comprising 40,000 acres in the Roseville section.

LIGHTING SYSTEMS

SAN LEANDRO, Alameda Co., Cal.—City Trustees order installation of electroliers in Estudillo Ave. between East 14th and Santa Rosa Sts. R. H. Goodwin, city engineer.

SACRAMENTO, Cal.—City Commission grants petition seeking installation of Marbelite electroliers in 35th St. between Sacramento Blvd. and 5th Ave., and in 3rd Ave. between 34th and 35th Sts. Albert Givan, city engineer.

MACHINERY

TRACY, San Joaquin Co., Cal.—Tracy Electric Co., Tracy, at $1,874 awarded contract by Naglee-Burk Irrigation District to built telephone line. H C. Vensano, 58 Sutter St., San Francisco, bid $3,467.

SACRAMENTO, Cal.—Until Feb. 11, 2 P. M., bids will be received by Carmichael Irrigation District for pumping machinery and auxiliary equipment and electrical apparatus in pumping station. Plans may be had from Engineer for District, Albert Givan, 1029 Forum Bldg., Sacramento. **See call for bids under official proposal section in this issue.**

OAKLAND, Cal.—Until Feb. 9, 12 M., bids will be received by Eugene K. Sturgis, city clerk, for furnishing saturated paper insulated lead covered combination cable for fire alarm purposes. Geo. Mattis, city engineer.

ANAHEIM, Cal.—Until 8 P. M., Feb. 9, bids will be received by City Clerk Edw. B. Merritt for a 500 gallon centrifugal pump installed on a Seagrave truck now owned by city. Certified check or bond for 10%.

Engineers and Contractors
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We are at your service
E. D. BULLARD
268 Market St., San Francisco
Phone Douglas 1118

SAN FRANCISCO—Standard Underground Cable Co., First National Bank Bldg., San Francisco, awarded contract by Board of Public Works for furnishing and delivering cable and splicing materials under Contract No. 129, Municipal Railway system. M. M. O'Shaughnessy, city engineer.

RAILROADS

FRESNO, Fresno Co., Cal.—Warren Construction Co., Rialto Bldg., San Francisco, and Journal Bldg., Portland, at approximately $800,000, awarded contract by Minerets and Western Railroad Co., and Sugar Pine Lumber Co., to construct 35 miles of railroad. T. L. Russell, 1514 H St., Fresno, chief engineer of Minerets, and Elmer Cox, First National Bank Bldg., San Francisco, president of the Sugar Pine Lumber Co.

SOLANO COUNTY.—A special meeting of stockholders of the Western Pacific Railroad has been called in New York to approve expenditures for building extension to present Sacramento Northern lines to connect with Vallejo at an estimated cost of $1,000,000.

FIRE EQUIPMENT

GRASS VALLEY, Nevada Co., Cal.—Until Feb. 10, 8 P. M., bids will be received by C. F. Lobecker, city clerk, for furnishing and delivering 500-ft. 2½-in. double jacketed fire hose, in 50-ft. lengths, with and without couplings.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

NEWMAN, Stanislaus Co., Cal.—Warren Construction Co., Rialto Bldg., San Francisco, at $144,635.96 submits low bid to City Trustees for improving ten blocks of streets. Other bidders: Clark & Henery Construction Co., 38 S Sutter St., Stockton, $153,924.81; Federal Construction Co., Call Bldg., San Francisco, $154,233.09; A. Teichert & Son, Ochsner Bldg., Sacramento, $157,463.01; Hugh Crummey, 357 12th St., Oakland, $161,509.65. Engineer's estimate, $146,286.83. Bids taken under advisement. Project involves 261,741 sq. ft. paving 3-in. black base, 1½-in. Warrenite; 132,753 sq. ft. paving 3½-in. black base 1½-in. Warrenite; 432,842 sq. ft. grading; 8186 lin. ft. combined curb and gutter; 2519 lin. ft. gutter; 882 lin. ft. curb; 648 lin. ft. 24", 696 lin. ft. 20", and 540 lin. ft. 16" culvert; 19, 24" and 16, 27" manhole covers and seats; 8100 lin. ft. headers; 2410 sq. ft. 6" cement concrete pavement alley approaches; 162 sq. ft. 6" cement concrete drive; 20,430 sq. ft. 4" concrete sidewalk; 16, 4-ft. and 2, 6-ft. gutter bridges; 2440 lin. ft. 1" and 564 lin. ft. 1½" electric conduit. Concrete cleanout boxes are included in total length of culverts. W. R. Sherman, town engineer.

CALIFORNIA.—Henry J. Kaiser, 1st National Bank Bldg., Oakland, at $298,611.40 awarded contract by State Highway

way Commission to pave with reinforced concrete 17.6 miles in Riverside County between Whitewater and Edom.

Warren Constr. Co., Rialto Bldg., San Francisco, at $190,781 awarded contract to pave with asphalt concrete 11.5 miles in Riverside County between Edom and Indio. Austin B. Fletcher, State Highway Engineer.

RICHMOND, Contra Costa Co., Cal.—Ross L. Calfee, 221 S 22nd St., completing plans for proposed sewer for San Pablo Sanitary District, involving 570 lin. ft. 6-in., 1,070 lin. ft. 8-in., 2,200 lin. ft. 10-in., 4,600 lin. ft. 15-in., 1,420 lin. ft. 21-in., and 5,250 lin. ft. 24-in. vitrified sewer; 45 manholes. Bids will be asked about March 1.

VALLEJO, Solano Co., Cal.—Louis Tagnon, Vallejo, at $13,326 awarded contract by council to construct cement concrete sidewalks in various sections of city. T. D. Kilkenny, city engineer.

FRESNO, Fresno Co., Cal.—Until Feb. 2, 3 P. M., bids will be received by R. Y. St. George, city clerk, for improving Olive Ave between Forthcamp and Blackstone Sts., involving 150,932 sq. ft. grading, 106,909 sq. ft. asphaltic pavement; 9,049 sq. ft. concrete gutter; 5,014 sq. ft. concrete curb; 10,710 sq. ft. artificial stone sidewalks; 634 lin. ft. 12-in. and 99 lin. ft 18-in. corrugated culverts; 15 manholes 1911 Act.

Separate bids, same date, for improving Calaveras St. between H and Divisadero, involving 123,825 sq. ft. grading; 115,861 sq. ft. asphaltic pavement; 8,353 sq. ft. concrete gutter; 4,555 sq. ft. concrete curb; 68 lin. ft. 12-in. and 208 lin. ft 18-in corrugated culvert. 6 manholes 1911 Act. Wm. Stranahan, city engineer.

CALIFORNIA—Following bids received by State Highway Commission, Jan. 23, for grading 6.1 miles of highway in Santa Barbara county between Cuyama river and Buckhorn creek; bids (a) for corrugated metal pipe; (b) concrete pipe:

F. Rolandi, San Francisco, (a) $152,943.90; (b) $155,045. (Informal.)
Warren Construction Co., San Francisco, (a) $153,256; (b) $157,898.
Maurice Ryan & Son, (a) $162,601; (b) $164,835.50.
Marsh Bros. & Gardenier, (a) $166,628.50; (b) $168,580.70.
Chadwick & Sykes, (a) $172,009.08; (b) $177,374.
Shearer & Crowly, Los Angeles, (a) $176,875; (b) $——.
B. B. Boyd, (a) $178,456.50; (b) $180,590.10.
P. L. Burr, (a) $180,223.70 (b) $181,452.
W. A. Bechtel, (a) $183,833; (b) $189,323.
H. D. Hoey, (a) $185,523; (b) $191,404.
C. H. Hudson, (a) $186,876.10; (b) $——.
A. J. Fairbanks, (a) $188,225; (b) $196,258.
Grant Smith, (a) $201,636; (b) $211,504.
Bates & Borland, (a) $204,408.50; (b) $208,425.
Redmond-Page Co., (a) $210,013.50; (b) $212,705.
W. P. Ellington, (a) $227,492; (b) $——.
Hunter & Richardson, (a) $268,931; (b) $275,622.
Hard Bros., Ripon, (a) $272,528; (b) $276,100.

Engineer's estimated, (a) $189,666; (b) $190,505.50.

Commission will furnish reinforcing steel, cement, corrugated metal pipe and reinforced concrete pipe. Austin B. Fletcher, state highway engineer.

NOTE—Quantities involved in this project published in report of Jan. 7th.

EUREKA, Humboldt Co., Cal.—Until Feb. 14, 2 P. M., bids will be received by Fred M. Kay, county clerk, for fencing both sides of state highway between Freshwater Lagoon and Orick, county surveyor.

LOS ANGELES, Cal.—James Martin, 789 Lyon St., has been awarded contract at $21,426.94, for grading a 20-acre tract at Hillhurst and Franklin Aves. Construction of curb, sidewalks and sewers, and surfacing streets will come up later. George W. Tuttle, 532 Mason Bldg., engineer. Grading of about 5 miles of streets in Tr. 4511, comprising 160 acres at NE corner Western and Manchester Aves., has been started by force account under direction of Engineer Tuttle. Carlin G. Smith is the subdivider. Streets will be oiled and curb and sidewalks will be put in later.

OROVILLE, Butte Co., Cal.—City Engineer S. J. Norris, preparing specifications for curbs, gutters and sidewalks in Oak and Pine Sts. between Montgomery and High; Lincoln St., Robinson to High; First Ave. between Montgomery and Robinson; 2nd Ave. between Montgomery and High, and Veatch St. between Robinson and Osage Ave.

SAN DIEGO, Cal.—Geo. R. Darey, Owl Drug Bldg., submitted only bid at $10,515 for grading portion of Escondido to Del Mar road. Bid rejected by the Supervisors.

POMONA, Cal.—Proceedings are being started for improving 7 streets involving about 473,442 sq. ft. 5-in. concrete pavement and 6600 lin. ft. cement curb. F. C. Froehde, City Engineer.

MONTEREY, Monterey Co., Cal.—Council declares intention to improve Carmelito Ave. between Munras Ave. and Cass St., grading, paved with decomposed granite, concrete curbs and gutters. Res. No. 1610.

Intention declared to make similar improvements in Eldorado St. between Munras Ave. and Pacific, with four catchbasins with 12-in. connections to existing storm sewer. Res. No. 1609. Improvement Act. 1911. Protests Feb. 7. H. D. Severance, city engineer.

MERCED, Merced Co., Cal.—Petitions for paving portions of 13th. 14th and 15th Sts. in West Merced are being circulated.

HERMOSA BEACH, Cal.—Geo. R. Curtis, 2440 E. 26th St., Los Angeles, awarded contract for paving with 3-in. Willite 10th and 11th Sts. between Prospect Ave. and east city limits, involving 23,060 sq. ft. and 11th Place involving 7530 sq. ft. Curtis also awarded contract on bids received several months ago for paving Bay View Dr. with 3-in. Willite. Victor H. Staheli, City Engineer.

PASADENA, Cal.—Council declares intention to construct 8-in. vitrified pipe sewers in Mountain St. and 13 other streets, 14-in. sewer in Allen Ave., 16-in. sewer in Mountain St. and 20-in. sewer in Allen Ave., flush tanks and manholes. 1911 Act. Approximate quantities are: 20,964.27 ft. 8-in., 2298.1 ft. 14-in., 1402 ft. 16-in. and 392.57 ft 20-in. vitrified glazed pipe, 18 flush tanks and 85 manholes. E. R. Dewey, City Engineer.

LOS ANGELES, Cal.—E. N. Girard, 115 N. Gless St., awarded contract at about $65,000 for grading and improving the streets in a subdivision on a continuation of Hollywood Blvd. at Harper siding for L. B. Wood. Approximately 90,000 cu. yds. of dirt will be moved.

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—Also in—

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Model "TL 9-60," with track loader, capacity 9 cu. ft. of loose material per batch..... $900.00

All with Hercules Gas Engines Mounted

HERMOSA BEACH, Cal.—Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, consulting engineers, submitted to City Trustees a report on proposed new outfall and sewage disposal. They recommended extension of present outfall to a point 1½ mile south of present terminus, construction of settling basins and spreading of effluent over tract of land to be purchased by city. Estimated cost, $75,000. No action taken.

FRESNO, Fresno Co., Cal.—County Surveyor Chris. P. Jensen, preparing specifications for paving Shaw and Citrus Aves., portions of county highway system.

OAKLAND, Cal.—Council declares intention to improve portions of Walnut St. between 90th and 96th Aves., involving 37,163 sq. ft. of grading; 1,314 lin. ft. of concrete curb; 2,728 sq. ft. of concrete gutter; 18,318 sq. ft. of oil-macadam pavement; 6,450 sq. ft. of cement sidewalk. Geo. Mattis, city engineer.

PHOENIX, Ariz.—Warren Bros. Construction Co. of Phoenix, awarded contract for paving Westmoreland St. involving 49.72 sq. yds. cement concrete pavement at $2.38 yd., 1600.19 sq. ft. bitum. base with asphaltic concrete top at $2.38 yd.; 1649.92 sq. yds. grading at 32c yd., 971.88 lin. ft. combined cement curb and gutter at $1.50 ft. and incidental items. The same company was awarded contract for paving Buchanan St. involving 4066.23 sq. yds. cement concrete base with bitulithic top at $2.77 yd., 14.76 sq. yds. concrete pavement at $2.77 yd., 4080.99 sq. yds. grading at 35c yd., 2034.21 lin. ft. combined cement curb and gutter at $1.50 ft. and incidental items.

EL MONTE, Cal.—Council declares intention to improve portions of Main, Kauffman and Esmeralda Sts., and Monte Vista St., First St., El Monte Ave., Railway St., Depot St., Mountain View Ave., Granada Ave. and two alleys. Main St. will be paved with 6-in. concrete and other streets with 5-in. concrete curbs, sidewalks and gutters; 1911 Act. Protests will be heard Feb. 2.

EL CERRITO, Contra Costa Co., Cal. —No bids received by trustees for paving with 2-course oil macadam portions of Elm St. and Eureka Ave.; estimated cost $20,000. Work postponed indefinitely. W. S. Farley, Monadnock Bldg., San Francisco, city engineer.

STOCKTON, San Joaquin Co., Cal.—Until Feb. 21, 10.30 A. M., bids will be received by A. L. Banks, city clerk, for paving Commerce St. between Market and Weber; Sutter St., Weber, Channel and Miner Ave. between Stanislaus and Aurora Ave. W. B. Hogan, city engineer.

STOCKTON, San Joaquin Co., Cal.—Council petition to pave streets in Blain's Addition, namely: El Dorado St., Hampton Ave., Hunter and Ellis Sts. W. B. Hogan, City Engineer.

FRESNO, Fresno Co., Cal.—Thompson Bros., 1514 H St., at $1,229, submits low bid to city council to construct 6-in. vitrified sewer in portions of Adams St. and Braly Ave. Bids taken under advisement. Wm. Stranahan, city engineer.

ANAHEIM, Orange Co., Cal.—Until 8 P. M., Feb. 9, bids will be received by City Clerk Edw. B. Merritt for constructing sewers in North Palm and a large number of other streets under bond issue.

BERKELEY, Alameda Co., Cal.—Council petitioned to pave Telegraph avenue from Oakland-Berkeley city limits to Sather Gate at Telegraph and Allston Way. C. L. Huggins, City Engineer.

SAN LEANDRO, Alameda Co., Cal.—City Trustees declare intention to improve Lewis and Mitchell avenues, from Holly Boulevard to south boundary of "Hollywood;" grading, concrete curbs and sidewalks, paving with oil-surfaced macadam. 1911 Act. Protests Feb. 6. R. H. Goodwin, City Engineer.

HEMET, Riverside Co., Cal.—City council votes to lay proposition of paving various streets on the table for 6 months. F. W. Stetson, city engineer.

EUREKA, Humboldt Co., Cal.—Council declares intention to construct 12-ft. wood sidewalks in portions of J and Hawthorne Sts. Harry H. Hannah, city engineer.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy completes specifications to improve Surrey St. between Castro and Diamond, estimated cost, $1100, involving 187 lin. ft. granite curbs, 2244 sq. ft. asphaltic pavement. Specifications also completed to improve Surrey St. between Diamond and point 275.98 ft. southwest, estimated cost $1850, involving 236 lin. ft. concrete curbs, 2868 sq. ft. asphaltic pavement and 1196 sq. ft. vitrified brick pavement.

BANNING, Riverside Co., Cal.—Until 8 P. M., Feb. 14, bids will be received by City Clerk Theo. Backus for paving portions of Ramsey St. and San Gorgonio Ave., about 1 mile, with cement concrete 5 in. and 6 in. thick and constructing cement curb; 1911 Act. Paul E. Kressly, H. W. Hellman Bldg., Los Angeles, City Engineer.

CALIFORNIA.—State Highway Commission orders completion of plans for state highway between Weaverville and Redding via Buckhorn Ranch and Tower House.

FRESNO, Fresno Co., Cal.—Council declares intention (Res. No. 1311) to improve portions of McKinley, Carmen, Home, Mora, Pine, Florodora, Linden, Lucerne Lane, Echo Ave., A St., etc., involving 761,185 sq. ft. grading, 448,742 sq. ft. asphaltic pavement; 46,937 sq. ft. concrete gutter, 25,635 sq. ft. concrete curb; 96,516 sq. ft. artificial stone sidewalks; 1,535 lin. ft. 12-in. and 112 lin. ft. 18-in. culvert; 32 manholes; 720 lin. ft. 4-in. sewer pipe. 1911 Act. Protests Feb. 9. Wm. Stranahan, city engineer.

FORTUNA, Humboldt Co., Cal.—Bonds of $15,000 voted to pave four city blocks. F. A. McKee, Town Engineer.

PHOENIX, Ariz.—Bids will be called for at once for construction of 160 miles of county highway under the $4,500,000 additional bond issue voted by Maricopa County. Bids will be taken on five types of paving—cement concrete, Warrenite bitulithic on bitum, concrete base; asphalt concrete on bitum concrete base; Warrenite on compressed filled broken stone foundation and asphalt concrete on compressed filled broken stone foundation. A. F. Jones, 517 W. Washington St., Phoenix, Chairman of Commission.

ANAHEIM, Cal.—Until 8 P. M., bids will be received by City Clerk Edw. B. Merritt for drilling a well 16-in. diameter and 335 ft. deep for city water system. Certified check or bond for 10%.

BANNING, Riverside Co., Cal.—Until 8 P. M., Feb. 14, bids will be received by City Clerk Theo. Backus for paving portions of Ramsey Street and San Gorgonio Ave. with cement 5 in. and 6 in. thick and constructing cement curb. Paul E. Kressly, H. W. Hellman Bldg., Los Angeles, city engineer. The length of street to be paved is about 1 mile. Proceedings under 1911 Act, bonds to be assumed under 1915 Act. Contract will involve about 83,930 sq. ft. 6-in. and 35,450 sq. ft. 5-in. concrete pavement, 499 lin. ft. curb and 5600 cu. yds. excavation.

RICHMOND, Contra Costa Co., Cal.—L. L. Page, 728 Bissel Ave., at $3,307 awarded contract to construct concrete pavement for tennis courts in vicinity of the City Hall.

RICHMOND, Contra Costa Co., Cal.—City Council orders blds received for paving 47th St., 18 ft. wide with 5-in. asphalt pavement. H. D. Chapman, City Engineer.

SACRAMENTO, Cal.—T. M. Burns, 2207 N St., Sacramento, at $12.40 ft., submits low bid to supervisor's for constructing Sec. 3, Highway 14, known as River road, a distance of 2,056 ft. Project involves 537 cu. yds. concrete. Only other bidder, General Construction Co., Sharon Bldg., San Francisco, $13.60 ft. Drury Butler, county surveyor.

STOCKTON, San Joaquin Co., Cal.—Council declares intention to construct lateral sewers with wye branches, curved branches, house branches, manhole with and without automatic flushers in Yosemite St., between Church and Washington and in Sonora and Church streets, between San Jose and Stockton streets. 1911 Act. Protests Feb. 21. W. B. Hogan, City Engineer.

LOS ANGELES, Cal.—Ordinance ordering construction of the Arroyo de la Sacatella storm sewer, a $2,500,000 project, has been passed by council and a call for bids will be issued shortly. Contractors will be given about 60 days to figure the work. Proceedings are under the Vrooman Act. The district embraces about 16 sq. miles in Hollywood and the western part of the city. Main lines, not including connections to catchbasins, will total about 80,678.71 ft., part of which will be monolithic reinforced concrete and part reinforced concrete pipe. Approximate quantities of monolithic drains are as follows: 6 ft 3-in. diameter, 2389.9 ft.; 6 ft. 6-in., 600 ft.; 6 ft. 9-in., 797.07 ft.; 7 ft., 2453.46 ft.; 7ft. 2-in., 1492.84 ft.; 8 ft., 2557.19 ft Reinforced concrete pipe: 6 ft. diameter, 4435.44 ft.; 5 ft. 6-in., 2007 ft.; 5 ft. 3-in., 6023.64 ft.; 5 ft., 4315.93 ft.; 4 ft. 9-in., 678 ft.; 4 ft. 6-in., 3750.3 ft.; 4 ft. 3-in., 3414.68 ft.; 4 ft., 1651.86 ft.; 3 ft. 9-in., 3605.86 ft.; 3 ft. 6-in., 2203.63 ft.; 3 ft. 3-in., 4947.55 ft.; 3 ft., 1575.76 ft., 33 in., 1187.81 ft.; 30 in., 3896.29 ft.; 27 in., 1991.29 ft.; 24 in., 3416.53 ft.; special section—A, 1919.04 ft.; B, 2132.28 ft.; C, 4938.17 ft.; D, 1491.52 ft., E. 671.73 ft.; F, 5864.05 ft.; G, 1144.33 ft.; H, 1368.05 ft.; I, 785.98 ft. In addition to constructing drains and catchbasins there will be a large amount of paving, curb and sidewalk work in the nature of repairs.

BAKERSFIELD, Kern Co., Cal.—Until 5 P. M., Feb. 6, bids will be received by City Clerk V. Van Riper for constructing 8-in. and 6-in. vitrified pipe sewers in Sixth St. and 11 other streets in sewer district No. 46; also for constructing 6-in. vitrified pipe sewer in two alleys in sewer district No. 49; 1911 Act.

MONTEREY, Monterey Co., Cal.—Council plans paving of Franklin St. Type of pavement yet to be determined. Concrete and asphaltic paving have been discussed but no decision made. H. D. Severance, city engineer.

CHICO, Butte Co., Cal.—Chas. Self, 403 Ash St., Chico, at $3,496 awarded contract by High School District to pave driveway at new high school. Other bids: T. H. Polk, $3,496; Ernest Gressler, $4,188.

PHOENIX, Ariz.—Until 2 P. M., Feb. 6, bids will be received by Maricopa County Highway Commission, 517 W. Washington St., Phoenix, Ariz., for constructing 160 miles of paved highway comprising uncompleted portion of the original highway program. Final payment has been made by the bond buyers on the $4,500,000 bond issue voted for completion of the highway system and the money is now available. Plans, specifications and profiles are on file at the office of the commission. Specifications and forms of proposals may be obtained from commission on payment of $5. Certified check on some bank of state of Arizona or cash deposit for 5% required with each bid. Bids will be taken on five types of paving: cement concrete; bituminous concrete, base with Warrenite-bitulithic or asphaltic concrete top; and compressed filled broken stone foundation with Warrenite-bitulithic or asphaltic concrete top.

SACRAMENTO, Cal. — Council declares intention to improve 8th Ave. from sewer in 44th to 45 St., removing and constructing new concrete sidewalks, constructing 8-in. vitrified sewer with 5 6-in. wyes, 2 concrete manholes; 45th St. between 8th Ave. and 45th St., constructing vitrified sewer with 10 6-in. wyes, 1 concrete manhole; 9th Ave., 45th to Stockton Boul., vitrified sewer with 15 6-in. wyes, 2 concrete manholes. Protests Feb. 9.

Intention declared to improve 28th between Y St., to 2nd Ave., concrete curbs and gutters, 4 cast iron gutter drains, 2 concrete manholes, reconstructing 1 concrete manhole; vitrified sewer with 21 6-in. wyes; grading and paving with 5½-in. asphaltic concrete.

Intention declared to improve alley between J and K, 21st and 22nd Sts., constructing 2 concrete catchbasins, reconstructing 1 manhole; grading and paving with 5-in. hydraulic concrete. Albert Givan, city engineer.

OAKLAND, Cal.—Until Feb. 2, 12 M., bids will be received by Eugene K. Sturgis, city clerk, for improving 10th St. between Jefferson and Market, involving 707 lin. ft. concrete curb; 1,519 sq. ft. concrete gutter and 21,101 sq. ft. asphaltic concrete pavement. Geo. Mattis, city engineer.

SAN FRANCISCO—Wm. Vander Hellen, 881 Mills Bldg., at $39,414 submits low bid to District Engineer, U. S Bureau of Public Roads, for constructing Klamath River road, Tee-Bar Section, approximately 3.4 miles, involving 145 sta. clearing, 40,000 cu. yds. unclassified excavation; 2,640 sq. ft. log cribbing; 335 lin. ft. timber bridging and 1,622 lin. ft. corrugated metal pipe culverts. Other bidders were: H. P. Hoey, $43,499; Theo Manitos, $40,922 60; Wm. H. Arndt, $44,576.70; Blake & Heaney, $42,292 10, P. L. Burr, $50,242 60, E. E. Crow, $49,697.80; Mercer-Fraser Co., $45,038; P. L. Smith, $46,988.60; A. Milne, $44,049 30; J Willinshurst, $41,475 10; F Bryant, $42,699.

PETALUMA, Sonoma Co. Cal.—Election held to decide question of forming Petaluma Municipal Water District carried by vote of 503 to 332. According to plans of Engineers Howe & Peters, 24 California St., San Francisco, project involves: Construction of earth fill dam, 1400 ft. long on crest, 80 ft. high to contain approximately 510 cu. yds. earth; 3 diversion dams on surge of creeks; several miles of concrete lined canals; 1,000,000 gal. daily capacity sand filter plant and a pipe line (type of pipe yet to be determined) 26,000 ft. long, 16-in. in diameter.

MILL VALLEY, Marin Co., Cal.—Town Trustees reject bid of Downer & Mero, Richmond, at $198,166, for improving portions of Cascade Drive, Old Mill, Josephine and Eugene Sts., Ethel and Moline Aves., etc., by grading, paving with 5-in. hydraulic concrete, corrugated pipe culverts, etc. Work indefinitely postponed. J. C. Oglesby, Cheeda Block, San Rafael, town engineer.

BAKERSFIELD, Kern Co., Cal.—Lloyd S. Stroud, Bakersfield, at $2,302.11 awarded contract by council to construct sewers in District 48. Other bidders: M. P. Camper, $2,662; Valley Constr. Co., $3,469.15; W. J. Schmidt, $3,231.45.

Weitzel & Larsen, Bakersfield, at $693.80 awarded contract to construct curbs and sidewalks in Spruce St. Only other bidder, Valley Constr. Co., $806.12.

Bid of Fred W. Nighbert, Bakersfield, at $4,035, only bid, for grading, oiling, screening and constructing gutters in Parkway between Oleander and C street, taken under advisement. W. Clarke, City Engineer.

STOCKTON, San Joaquin Co., Cal.—Until Feb. 21, 10.30 A. M., bids will be received by A. L. Banks, City Clerk, for improving Commerce St., between Market and Weber Ave., and Channel and Miner Ave., between Stanislaus and Aurora Ave., involving removal of 2,779 sq. ft. basalt paving blocks, 638 cu. yds. excess yardage to be wasted; 5,511 sq. ft. basalt blocks to be relaid; 18,258 sq. ft. paving, average 4-in. thick, asphaltic concrete laid on blocks; 38,317 sq. ft. asphaltic concrete pavement, 6 -in. thick laid on sub-grade. W. B. Hogan, City Engineer.

OROVILLE, Butte Co., Cal.—J. A. Huntington, Oroville, at $10,755, only bidder, awarded contract by supervisors to pave with asphalt macadam 6.47 miles of Cohasset-Richardson Springs road. Harry H. Hume, county road engineer.

BAKERSFIELD, Kern Co., Cal.—City Engineer W. Clarke is preparing specifications for sidewalks and curbs, where not already, in K street, between 4th and 10th; L St., between 4th and California; M St., between 8th and 14th Sts.; north side 4th, Chester Ave., to L St.; 5th, 6th to 7th; 9th, 10th and 11th Sts., Chester to M St.; 14th, K to M Sts.; Chester Ave., (east side) 4th to 15th. Plans approved for paving Sumner St., between King and east city limits and Kentucky St., between Baker and Gage Sts.; Kentucky St. will be paved full width with Warrenite; Sumner St. with 18-ft. strip Warrenite.

SANTA ANA, Orange Co., Cal.—Pernel Barnett, 630 E. Washington St., Orange, awarded contract for constructing vitrified pipe sewers in Greenleaf and other streets involving 2485 ft. 8-in. pipe at 86c ft., 2820 ft. 6-in. pipe at 75c., 5 manholes at $45 each, 2 flush tanks at $85 each and 2 lamp holes at $10 each.

LOS ANGELES, Cal.—Geo. R. Curtis, 2440 E. 26th St., awarded contract at $20,500 for paving Florence Ave. at Huntington Park in Road Improvement District No. 200, with 6-in. cement concrete base with 2-in. asphalt concrete surface; curb, gutter and reinforced concrete culverts.

CULVER CITY, Cal.—Braun, Bryan & Austin, Inc., 1680 Fourth St., Santa Monica, submitted low bid for constructing portion of sewers to be built under $75,000 bond issue, involving (a) 1442.95 ft. 8-in. pipe at 76½c ft.; (b) 337.36 ft. 12-in. pipe at 99c ft.; (c) 8 manholes at $85 each; (d) 1 flush tank at $85. Bids taken under advisement Koebig & Koebig, Title-Insurance Bldg., Los Angeles, Consulting Engineers.

PAVING BRICK STANDARDIZED

Specifications of the National Paving Brick Manufacturers Association for vitrified brick pavements on streets and highways are now undergoing revision, preparatory to early publication.

The revision comes as the result of recognized trends in modern engineering practice, and was determined upon by members of the National Association in their annual meeting held December 6 and 7 in Pittsburgh.

The revision will consist in extending the present specifications and rearranging several sections so as to make the grouping more systematic. The revised specifications will include all that is included in the present volume, with the addition of two new provisions.

PROTECTION OF HIGHWAYS

The California Highway Commission has received a copy of a Resolution adopted by the San Bernardino County Board of Supervisors which reads as follows:

"Be it Resolved:—That the Board of Supervisors of San Bernardino County, State of California, in regular session this 3rd day of January 1922, that we do protest the further issuance of licenses or franchises to Trucking and Stage lines, to travel over the Highways of this county, until the fees charged, or taxes paid by said Transportation Companies, are sufficiently high, and do bear a just proportion of the expenses in maintaining our Highway."

IMPERIAL VALLEY HIGHWAY CONSTRUCTION

Another long step towards the completion of a State highway from San Bernardino to the edge of the irrigated section of the Imperial Valley was taken by the California Highway Commission at its meeting in Sacramento, January 19, when contracts were let on a 29 mile section between Whitewater and Indio. The first section 17 miles long between Whitewater and Edom was let to Henry J. Kaiser, on a concrete specification five inches thick, sixteen feet wide reinforced. The contract price was $298,011, and the State to furnish material to cost $211,892. The adjoining section of 12 miles was awarded to the Warren Constuction Company on an asphaltic concrete base specification of equal width and thickness.

The contractor's bid was $190,781 and the State will furnish materials to cost $81,439.

By dividing the work into two contracts the Commission is able to effect a financial saving and a shortening of the construction period by four months, and will also have an unexcelled opportunity to test two competitive types of highway construction under parallel conditions of traffic, soil and climate.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
237	U. of C.	Owner	850
238	Link	Cohn	750
239	Goldberg	Wagner	19000
240	Rosenthal	Steiger	3800
241	Windeler	Owner	12000
242	Nelson	Owner	4000
243	Nelson	Owner	4000
244	Nelson	Owner	4000
245	Curran	Coburn	18463
246	Same	Musto	7718
247	Titlow	Golden	4500
248	Same	Jensen	26000
249	Same	Scott	4250
250	Fennone	Matthies	941
251	Helgesen	Matthies	941
252	Gray	Owner	3750
253	Diettin	Wiander	4000
254	Bianchini	Giusti	750
255	Joseph	Nicholls	19000
256	Schaefer	Bos	7187
257	All Saints	Meyer	5800
258	Anderson	Owner	6000
259	Thomson	Reedy	2975
260	Same	Same	8925
261	Rome	Owner	900
262	Daly	Owner	500
263	Seeley	Owner	500
264	Samuels	Owner	16000
265	Sierra	Hinson	10000
266	Crown	Hoin	525
267	Muller	Owner	9000
268	Taylor	Grahn	2000
269	Dempsey	Coburn	1000
270	Heyman	Owner	6000
271	Hirsch	Berge	500
272	Scheper	Anderson	7000
273	Lincoln	Hamill	30000
274	Delucchi	Devencenzi	1500
275	Moran	Spragor	500
276	Dahl	Dahl	7000
277	Cullen	Owner	1000
278	McCutchen	Hamill	4000
279	Morris	Morris	9500
280	Nelson	Nelson	5600
281	Loewe	Martin	8346
282	Same	Stube	855
283	Saunier	Owner	1500
284	Lutticken	Owner	12000
285	Johnson	Owner	7000
286	Cohen	Hanson	7000
287	Phelan	Owner	14000
288	Phelan	Owner	20000
289	Cochran	Owner	3300
290	Rossi	Owner	1500
291	Exclusive	Brass	1696
292	McLean	McLean	4000
293	Swift	Gibson	4000
294	Tilhon	Farnocchia	11315
295	Wood	Dunn	60000
296	Colbert	Lynch	1000
297	Kluge	Kushenshuh	3000
298	McCay	Owner	1000
299	Dixon	Bosworth	1000
300	Anderson	Meyer	23200
301	Boyle	McCabe	1875
302	Moeller	Leigh	3200
303	McCutchen	Hamill	4825
304	Trenear	Lacey	14500
305	Associated Oil	Owner	975
306	Hind	Hind	24000
307	Hind	Hind	4000
308	Thurber	Hamill	20000
309	Wilson	Olson	3000
310	Hippely	Owner	2000
311	Kirby	Owner	5000
312	Wood	Thorup	5000
313	Paragon	O'Neill	4000
314	Joseph	Nichols	19229
315	Jorgensen	Owner	6000
316	Gawthorne	Meinberger	15000
317	Dairy	Morton	6500
318	S. F. Invst.	Monson	38500
319	Little	Owner	3000
320	Winner	Owner	3000
321	Fosselius	Owner	3000
322	Holt	Owner	8000
323	Bridgford	Owner	4600
324	Rosskamp	Munster	9000
325	Saari	Owner	3000
326	Realty	Boxton	3000
327	Rumpt	Vukicevich	23693
328	Congdon	Johnson	30000
329	Mack	Barrett	1000
330	Hind	Hind	4000
331	Kiernan	Inlaid	1045
332	Livenais	Hansen	12000

PERMITS

ALTERATIONS

(237) NW CALIFORNIA AND MAPLE Move partitions and re-arrange rooms, plastering, etc.
Owner—University of California, Berkeley.
Architect—Owner.
Day's work. $850

ADDITION

(238) NO. 3139 JACKSON ST. Add sun porch to residence.
Owner—A. Link, 112 Market St., San Francisco.
Architect—None.
Contractor—Cohn & Nordstrom, 110 Sutter St., San Francisco. $750

STORE

(239) S MISSION 200 W Sixth. Two-story brick store.
Owner—Garrett M. Goldberg Co., 1099 Folsom St., San Francisco.
Architect—None.
Contractor—Geo. Wagner, 251 Kearny St., San Francisco. $19,000

RESIDENCE

(240) E TWENTY-SIXTH AVE 120 N Lake. Two-story and basement frame residence.
Owner—Sigmund Rosenthal, 2460 Lake St., San Francisco.
Architect—None.
Contractor—H. Steiger, 1630 Haight St., San Francisco. $3800

RESIDENCE

(241) W TENTH AVE 366-8 N Balboa. Two-story and basement frame residence.
Owner—Wm. F. Windeler.
Architect—August Nordin, Mills Bldg., San Francisco.
Day's work. $12,000

DWELLING

(242) E FORESTSIDE 50 S Ulloa. Two story and basement frame dwlg.
Owner—F. Nelson & Sons, 2 West Portal Park, San Francisco.
Architect—None.
Day's work. $4000

DWELLING

(243) W WAWONA 50 N Ulloa. One-story frame dwelling.
Owner—F. Nelson & Sons, 2 West Portal Park, San Francisco.
Architect—None.
Day's work. $4000

DWELLING

(244) W WAWONA 45 S Ulloa. One-story frame dwelling.
Owner—F. Nelson & Sons, 2 West Portal Park, San Francisco.
Architect—None.
Day's work. $4000

RECORDED

CARPENTER, ETC.

(245) S GEARY 137-6 W Mason W 106xS 137-6. Carpenter and mill work for theatre building.
Owner—Curran Theatre, Ellis St. near Stockton St., San Francisco.
Architect—Alfred H. Jacobs, 110 Sutter St., San Francisco.
Contractor—Ira W. Coburn, 180 Jessie St., San Francisco.
Filed Jan. 20, '22. Dated Jan. 19, '22.
Composition roof on.....$2847.25
Standing trim on..... 5000.00
Completed and accepted.... 6000.00
Usual 35 days..... 4615.75
TOTAL COST, $18,463.00
Bond, $18,463. Surety, Fidelity & Deposit Co. of Maryland. Limit forfeit, none. Plans and specifications filed.

(246) MARBLE WORK ON ABOVE.
Contractor—Joseph Musto Sons-Keenan Co., 535 North Point St., S. F.
Filed Jan. 20, '22. Dated Jan. 19, '22.
½ work in place.....$3000.00
Completed and accepted..... 2788.50
Usual 35 days..... 1929.50
TOTAL COST, $7718.00
Bond, limit, forfeit, none. Plans and specifications filed.

APARTMENTS

(247) S BUSH 77-6 W Leavenworth S 137-6xW 30. Structural steel and iron work for four-story apartment house.
Owner—John O. Titlow, 1129 Bush St., San Francisco.
Architect—M. V. Politeo, 1st National Bank Bldg., San Francisco.
Contractor—Golden Gate Iron Works, 1541 Howard St., San Francisco.
Filed Jan. 20, '22. Dated Jan. 17, '22.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $4500
Bond, $2250. Sureties Alfred H. Vogt and Geo. Walcom. Limit, 90 days. Forfeit, $10. Plans and specifications filed.

(248) EXCAVATING, GRADING, concrete, cement floor, carpenter, mill, glazing, patent chimneys, hardware, lath and plaster, etc., on above.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
Filed Jan. 20, '22. Dated Jan. 14, '22.
Payments same as above.....
TOTAL COST, $26,000
Bond, $13,000. Sureties, Jno. A. Grennan and Geo. W. Hooper. Limit, 125 days. Forfeit, $10. Plans and specifications filed

(249) PLUMBING, GAS FITTING & sewerage on above.
Contractor—Scott Co., 243 Minna St., San Francisco.
Payments same as above.....
TOTAL COST, $4250
Bond, $2125. Sureties, Wm. P. Scott and H. M. Van Pelt. Limit, 50 days after notified. Forfeit, $10. Plans and specifications filed.

MOVING, ETC. RESIDENCE

(250) NO. 131 PARKHILL AVE. Moving, raising, etc., of two-story and basement frame residence.
Owner—Wm. and Ellen Fennone, Prem.
Architect—Lewis M. Gardner, 924 Pine St., San Francisco.
Contractor—Henry C. Matthies and Geo. Gate., 180 Jessie St., S. F.

Filed Jan. 20, '22. Dated Nov. 29, '21
Completed and accepted.....$941
TOTAL COST, $941
Bond, $471. Surety, Jas. S. Fennell and H. N. Larsen; limit, 60 days; forfeit. none. Plans and specifications filed.
NOTE—Permit reported Jan. 12, 1922, No. 110.

MOVING, ETC. RESIDENCE
(251) NO. 127 PARK HILL AVE. Moving and raising of two-story frame residence.
Owner — Anton and Christina Helgesen, premises.
Architect—Lewis M. Gardner, 924 Pine St., San Francisco.
Contractor—Henry C. Matthies and Geo. Gale, 180 Jessie St., S. F.
Filed Jan. 20, '22. Dated Dec. 10, '21
Completed and accepted.....$941
TOTAL COST, $941
Bond, $471; sureties, Jas. S. Fennell and H. N. Larsen; limit 60 days; forfeit none. Plans and specifications filed.
NOTE—Permit reported Jan. 12, 1922, No. 109.

PERMITS

FRAME DWELLING
(252) W TWENTY-SECOND AVE 124-5 N Cabrillo One-story and basement frame dwelling.
Owner—Alfred J. Gray, 763 11th Ave., San Francisco.
Architect—None.
Day's work. $3750

FRAME DWELLING
(253) W THIRTY-EIGHTH AVE 125 N Fulton. One-story and basement frame dwelling.
Owner—Mrs. E. Diettin, 70 Bernard St., San Francisco.
Plans by Owner.
Contractor—Mr. Wiander, 41 Coleridge St., San Francisco. $4000

ALTERATIONS
(254) NO. 311 WASHINGTON ST. Alter for restaurant.
Owner—Bianchini & Ramaziotti, 309 Washington St., San Francisco.
Architect—None.
Contractor—S. A. Giusti, 617 Sansome St., San Francisco. $750

REPAIRS
(255) SW GOLDEN GATE AVE. AND Hyde. Repair fire damage.
Owner—Joseph Estate Co., 310 California St., San Francisco.
Architect—T. Patterson Ross, 310 California St., San Francisco.
Contractor—H. D. Nicholls, 1381 Stevenson St., San Francisco. $19,000

RECORDED

RESIDENCE
(256) S GREEN 40 W Pierce 30x50. All work for two-story and basement frame residence.
Owner—Adam Schaefer, 3272 16th St., San Francisco.
Architect—Frederick W Quandt, Monadnock Bldg., San Francisco.
Contractor George A Bos, Hearst Bldg., San Francisco.
Filed Jan. 21, '22. Dated Jan. 4, '22.
Frame up 25%
Plaster completed 25%
Completed and accepted..... 25%
Usual 35 days..... 25%
TOTAL COST, $7187
Bond, $3594. Sureties, T E Treacy and D. C. McCabe. Limit, 100 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported Jan. 11, 1922, No. 87.

RESIDENCE
(257) N WALLER 206-3 W Masonic W 25 N 137-6. All work for eight-room residence.
Owner—The Rector, Wardens and Vestry of All Saints Church, premises.
Architect—Plans by contractor.
Contractor—Meyer Bros., 3326 Geary St., San Francisco.
Filed Jan. 21, '22. Dated Jan. 7, '22
Frame up $1450
Brown coat mortar on..... 1450
Completed and accepted..... 1450
Usual 35 days..... 1450
TOTAL COST, $5800
Bond, surety, none. Limit 90 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported Jan. 19, 1922, No. 212.

FLATS
(258) E ATALAYA TERRACE 188-11 N Fulton. Two-story and basement frame (2) flats.
Owner—O. E. Anderson, 483 15th Ave., San Francisco.
Architect—None.
Day's work. $6000

DWELLING
(259) N BOSWORTH 25 E Couvier. One-story and basement frame dwelling.
Owner—H. S. Thomson, 677 12th Ave., San Francisco.
Architect—None.
Contractor—Wm. M. Reedy, 267 Ellsworth St., San Francisco. $2975

DWELLINGS
(260) E COUVIER 50 and 75 N Bosworth and NE Couvier and Bosworth. Three one-story and basement frame dwellings.
Owner—H. S. Thomson, 677 12th Ave., San Francisco.
Architect—None.
Contractor—Wm. M. Reedy, 267 Ellsworth St., S. F. $2795 each

ALTERATIONS
(261) NO. 80 EDDY. Minor alterations and changes in restaurant.
Owner—M. D. Rome, Premises.
Architect—None.
Day's work. $900

GARAGE
(262) N IVY AVE 140 W Franklin. One-story frame private garage.
Owner—Mrs. O. Daly, 335 Grove St., San Francisco.
Architect—None.
Day's work. $500

RETAINING WALL
(263) NW JONES AND SACRAMENTO. Reinforce retaining wall.
Owner—J. B. Seeley, 2306 Geary St., San Francisco.
Architect—None.
Day's work. $500

FLATS
(264) N LAKE 32-6 E 27th Ave. Two two-story and basement frame (2 in each) flats.
Owner—N. Samuels, 159 Parker Ave., San Francisco.
Architect—Mel I. Schwartz, 1202 Nevada Bank Bldg., San Francisco.
Not Let Yet $8000 each

BAKERY
(265) S MINNA 175 W Sixth. One-story reinforced concrete Class C bakery.
Owner—Sierra Investment Co., Room 318, 26 Montgomery St., S. F.
Architect—Arthur S. Bughee, 26 Montgomery St., San Francisco.
Contractor—L. A. Hinson, Room 318, 26 Montgomery St., S. F. $10,000

MARQUEE
(266) NO 958 MARKET. Construct marquee.
Owner—Crown Drug Co., Premises.
Architect—None
Contractor—Theo. S. Hoin, 1729 Washington St., San Francisco $525

FLATS
(267) E NINETEENTH AVE 250 N Fulton. Two-story and basement frame (2) flats.
Owner—Martin Muller, 271 23rd Ave., San Francisco.
Architect—None.
Day's work. $9000

DWELLING
(268) S POWERS 175 E Mission. Two story and basement frame dwelling
Owner—M. Taylor, Cr. Contractor.
Architect—None.
Contractor—Wm. H. Grahn, 2840 Bryant St., San Francisco. $2000

REPAIRS
(269) NO. 1601-1603 REVERE AVE. Repair fire damage to flats.
Owner—Mr. Dempsey, 180 Jessie St., San Francisco.
Architect—None.
Contractor—Chas. Coburn, 180 Jessie St., San Francisco. $1000

FLATS
(270) NE TWENTY-THIRD AVE & Irving. Two-story and basement frame (2) flats.
Owner—Oscar Heyman & Bro., 742 Market St., San Francisco.
Architect—None.
Day's work. $6000

ALTERATIONS
(271) NO. 1221 TWENTY-NINTH AV. Alterations and changes on interior of residence.
Owner—Alphonse Hirsch, Premises.
Architect—None.
Contractor—Julius Berge, 1234 30th Ave., San Francisco. $500

FLATS
(272) E TWENTIETH AVE 100 N Balboa. Two-story and basement frame (2) flats.
Owner—Angela and Carl H. Scheper, 483 7th Ave., San Francisco.
Architect—None.
Contractor—O. E. Anderson, 483 15th Ave., San Francisco. $7000

CHURCH
(273) SW CLEMENT ANR THIRTY-first Ave. One-story and basement frame church.
Owner— Lincoln Park Presbyterian Church, Premises.
Architect—Wythe & McCall, Central Bank Bldg., Oakland.
Contractor—Thos. Hamill, 6140 Geary St., San Francisco. $30,000

ALTERATIONS
(274) NO. 484 FRANCISCO ST. Alter flats
Owner—P. Delucchi, Premises.
Architect—None.
Contractor—Devencenzi Bros., 1071 Union St., San Francisco. $1500

ALTERATIONS
(275) NO. 2437 MISSION ST. Rearrange for delicatessen store.
Owner—Mrs. M. Moran, Premises.
Architect—None.
Contractor—J. B. Spragor, 387 Coleridge St., San Francisco. $500

FLATS
(276) S OAK 111-3 W Central Ave. Two-story and basement frame (2) flats.
Owner—E. L. Dahl, 246 2nd Ave., S. F.
Architect—E. Dahl, 246 2nd Ave., S. F.
Contractor—E. Dahl, 246 2nd Ave., San Francisco. $7000

ADDITION
(277) W TWENTY-FIRST AVE 50 N Irving. Add two rooms to dwelling.
Owner—Richard Cullen, 1289 21st Ave., San Francisco
Architect—None.
Day's work $1000

DWELLING
(278) W TENTH AVE 275 N Clement. One-story and basement frame dwelling.
Owner—Lettie D. McCutchen, 745 Sutter St., San Francisco.
Architect—None.
Contractor—Thos. Hamill, 6140 Geary St., San Francisco. $4000

RECORDED

DWELLING
(279) E WESTWOOD DRIVE and E line Lot 28 Blk 3165 SW 135 NE 89.344 NW 99.699 Ptn. Lots 27 and 28 Blk 3165, Westwood Park. All work for one-story frame dwelling
Owner—Gordon W. Morris, 132 Judson Ave., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Contractor—Linnie Morris, 132 Judson Ave., San Francisco.
Filed Jan. 23, '22. Dated Jan. 19, '22.
Frame up and enclosed.....$2375
Brown coated 2375
Completed and accepted..... 2375
Usual 35 days..... 2375
TOTAL COST, $9500
Bond, limit, forfeit, none. Plans and specifications, none.

DWELLING
(280) S 15 FEET LOT 2 and N 15 feet Lot 3 Blk 3177, Westwood Park. All work for one-story and basement frame dwelling.
Owner—Hans and Esther E. Nelson, 1375 Plymouth Ave., San Francisco
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Jan. 23, '22. Dated Jan. 12, '22.
Frame up and enclosed.....$1400
Brown coated 1400
Completed and accepted..... 1400
Usual 35 days..... 1400
TOTAL COST, $5600
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME BLDG.
(281) NW TWELFTH AVE AND Fulton W 92-6xN 25. All work except plumbing, heating, painting, electric wiring, shades and light fixtures for one-story and attic frame building.
Owner—Wm. G. Loewe.
Architect—E. A. Neumarkel, 544 Market St., San Francisco.
Contractor—Wm. Martin, 180 Jessie St., San Francisco.
Filed Jan. 23, '22. Dated Jan. 21, '21.
Frame up $1564
Ready for plaster..... 1565
Inside and outside plaster on.. 1565
Completed and accepted..... 1565
Usual 35 days..... 2087
TOTAL COST, $8346
Bond, $4173. Sureties, Fred Walpert and Edwin T. Peterson. Limit, 100 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported Jan. 19, 1922 No. 222.

(282) PLUMBING, SEWERING, ETC., on above.
Contractor—Stube & Griffin.
Filed Jan. 23, '22. Dated Jan. 20, '22.
Roughing in completed.....$381.55
Completed and accepted..... 260.00
Usual 35 days..... 214.00
TOTAL COST, $855.55
Bond, $430. Surety, Fidelity & Deposit Co. Limit, 70 days. Forfeit , none. Plans and specifications filed.

DWELLING
(283) S BRUNSWICK 238 W Whittier. One-story and basement frame dwelling.
Owner—August Saunier, 5496 Mission St., San Francisco.
Architect—None.
Days work. $1500

FLATS
(284) NW CABRILLO AND FIFteenth Ave. Two-story and basement frame (4) flats.
Owner—Charles J. Lutticken, % architect.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Days work. $12000

FLATS
(285) W FOURTEENTH AVE. 25 S Cabrillo. Two-story and basement frame (2) flats.
Owner—Nels P. Johnson, 1934 Folsom St., San Francisco.
Architect—None.
Days work. $7000

SERVICE STATION
(286) SE GEARY AND SEVENTH Ave. One-story frame service station.
Owner—Ida Anne Cohen, Hobart Bldg., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor — Fred L. Hanson, 251 Kearny St., San Francisco. $7000

APARTMENTS
(287) E FUNSTON AVE. 200 N Anza. Two-story and basement frame (4) apartments.
Owner—P. J. Phelan, 1706 Anza St., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Days work. $14000

APARTMENTS
(288) SE LAKE AND TWENTY-fourth Ave. Three-story and basement frame (6) apartments.
Owner—P. J. Phelan, 1706 Anza St., San Francisco.
Architect—A. H. Knoll, 1023 Hearst Bldg., San Francisco.
Days work. $20,000

ALTERATIONS
(289) NO. 218 LAKE. Altering and remodeling for 2 flats.
Owner—Charles W. Cochran, 218 Lake St., San Francisco.
Architect—Walter King, 312 Call Bldg., San Francisco.
Days work. $3800

DWELLING
(290) NO. 1298 REVERE AVE. One-story and basement frame dwelling.
Owner—Salvadore Rossi, 1296 Revere Ave., San Francisco.
Architect—None.
Days work. $1500

ALTERATIONS
(291) NO. 115 STOCKTON. Alterations and changes for store.
Owner—Exclusive Cutlery, 115 Stockton St., San Francisco.
Architect—H. Vollmer, Flood Bldg., San Francisco.
Contractor—Braas & Kuhn, 1917 Bryant St., San Francisco. $1696

DWELLING
(292) W SEVENTEENTH AVE. 275 N Fulton. One-story and basement frame dwelling.
Owner—A. M. McLean, 761 17th Ave.
Architect—None.
Contractor—R. A. McLean, 180 Jessie St., San Francisco. $4000

DWELLING
(293) W THIRTY-SECOND AVE. 330 S Lincoln Way. One-story and basement frame dwelling.
Owner—Ed. Swift, 1372 Mission St., San Francisco.
Architect—R. N. Gibson, 55 5th St., San Francisco.
Contractor—R. N. Gibson, 55 5th St., San Francisco. $4000

APARTMENTS
(294) S EIGHTEENTH 155 E Noe. Two-story and basement frame (4) apartments.
Owner—Mrs. Tilhon, % architects.
Architects—Righetti & Hirschfeld, 12 Geary St., San Francisco.
Contractor—Farnocchia & Co., 1814 Powell St., San Francisco. $11315

APARTMENTS
(295) NW FRANKLIN AND JACKson. Four-story and basement reinforced concrete (8) apartments.
Owner—Meyer Wood, % S. N. Wood, 4th and Market Sts., San Francisco.
Architect—W. L. Schmolle, 40 Montgomery St., San Francisco.
Contractor—Joseph Dunn, Montgomery St., San Francisco. $60,000

REPAIRS
(296) NO. 743-59 GOUGH. Repair fire damage to store.
Owner—P. J. Colbert, Room 334, 185 Stevenson St., San Francisco.
Architect—None.
Contractor—P. J. Lynch & J. A. Bryant, Room 334, 185 Stevenson St., San Francisco. $1000

STORE
(297) S OCEAN AVE. 25 E Capitol. One-story frame store.
Owner—Geo. Kluge.
Architect—Plans by contractors.
Contractors—Kusbenshuh & Morrison. 180 Jessie St., S. F. $3000

ALTERATIONS
(298) NO. 1190 STANYAN. Alter for 2 flats.
Owner—Mrs. Fredora McCay, 1219 Shrader St., San Francisco.
Architect—None.
Day's work. $1000

EXCAVATION
(299) NO. 138 TURK. Excavate under sidewalk; build retaining wall.
Owner—Mrs. Ema Dixon, 88 Turk St., San Francisco.
Architect—None.
Contractor—W. C. Bosworth (Supt.), 2764 McAllister St., S. F. $1000

DWELLINGS
(300) E TWENTY-THIRD AVE. 250, 275, 300 and 325 N Fulton. Four 2-story and basement frame dwellings.
Owner—J. Anderson, 423 16th Ave., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $5800 each

RECORDED

ALTERATIONS
(301) NW KEARNY AND COLUMBUS Ave. Alterations of sidewalk.
Owner—Josephine C. H. Boyle.
Architect—Smith O'Brien, 742 Market St., San Francisco.
Contractor — Daniel C. McCabe, Call Bldg., San Francisco.
Filed Jan. 24, '22. Dated Jan. 23, '22.
Completed and accepted.....$1496
Usual 35 days, Balance..... 25[illegible]
TOTAL COST, $18[illegible]
Bond, $940. Sureties, A. Lynch and W. A. MacDonald. Limit, 30 days. Forfeit, $10. Plans and specifications filed.

FRAME STORE BLDG.
(302) S CLEMENT 85 E 26th Ave E 25xS 100. All work for one-story frame store building.
Owner—Gustave Moeller, 2665 Clement St., San Francisco.
Architect—None.
Contractor—David Leigh, 840 44th Ave. San Francisco.
Filed Jan. 24, '22. Dated Jan. 16, '22.
Frame up .....$8[illegible]
Brown coated ..... 8[illegible]

Completed 800
Usual 35 days..... 800
TOTAL COST, $3200
Bond, none Limit, 60 days. Forfeit, plans and specifications, none.
NOTE—Permit reported Dec. 30, 1921, No. 3151.

BUNGALOW
(303) W TENTH AVE 275 N Clement N 25x120. All work for one-story and basement bungalow.
Owner—Lettie D. McCutchen, 745 Sutter St., San Francisco.
Architect—None.
Contractor—Thos. Hamill, 6140 Geary St., San Francisco.
Filed Jan. 24, '22. Dated Jan. 23, '22.
Rough frame up $1500
Brown coated 1500
Job Finished 1000
Usual 35 days..... 825
TOTAL COST, $4825
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported Jan. 24, 1922 No. 278.

APARTMENTS
(304) E VAN NESS AVE 47-6 N Broadway 45x100. All work for two-story frame apartments.
Owner—Richard H. Trenear, 1064 Phelan Bldg., San Francisco.
Architect—None.
Contractor—E. V. Lacey, 180 Jessie St., San Francisco.
Filed Jan. 24, '22. Dated Jan. 23, '22.
Roof on $4500
Brown plaster on..... 5000
Completed and accepted..... 5000
Usual 35 days..... 5000
TOTAL COST, $14,500
Bond, none. Limit, 4 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit also applied for today

GASOLINE STATION
(305) SW BUSH AND DIVISADERO. One-story gasoline station.
Owner—Associated Oil Co., 81 Sharon Bldg., San Francisco.
Architect—None.
Day's work. $975

DWELLINGS
(306) NW CRESCENT AVE. AND Lesse and N Crescent 38-6, 63-6, 88-6, 113-6 & 138-6 W Leese. Six 2-story and basement frame dwellings.
Owner—Alfred E. Hind, Colusa, Cal.
Architect—W. G. Hind, 3885 Webster St., Oakland.
Contractor — Harry W. Hind, 1822 Hearst St., Oakland. $4000 each

DWELLING
(307) SW LEESE 88-32 NW Crescent. One and one-half story and basement frame dwelling.
Owner—Alfred G. Hind, Colusa, Cal.
Architect—W. G. Hind, 3885 Webster St., Oakland.
Contractor — Harry W. Hind, 1822 Hearst St., Oakland. $4000

STORE, ETC.
(308) SE GEARY AND EIGHTEENTH Ave. Three-story frame store and (4) apartments.
Owner—John F. Thurber, 551 7th Ave., San Francisco.
Architect—Jno. J. Foley, 770 5th Ave., San Francisco.
Contractor—Thos. Hamill, 707 42nd Ave., San Francisco. $20,000

REPAIRS
(309) NO 1925 GOUGH Repair fire damage to dwellings.
Owner—A. W. Wilson, 1925 Gough St., San Francisco.
Architect—None.
Contractor—Andrew Olson, 289 Fell St., San Francisco. $3000

DWELLING
(310) W PARIS 410 N Excelsior. One-story and basement frame dwelling.
Owner—John L. Hippely, 279 Lisbon St., San Francisco.
Architect—None.
Day's work. $2000

FLATS
(311) W SIXTH AVE. 200 S Anza. Two-story and basement frame (2) flats.
Owner—J. C. Kirby, 494 22nd Ave., San Francisco.
Architect—None.
Day's work. $5000

DWELLING
(312) E TWENTY-FIRST AVE. 40 N Cabrillo. One-story and basement frame dwelling.
Owner—S. A. Wood, 53 Presidio Ave., San Francisco.
Designer—J. H. Thorup, 654 21st Ave., San Francisco.
Contractor—J. H. Thorup, 654 21st Ave, San Francisco. $5000

ALTERATIONS
(313) SW GRANT AVE AND GEARY Install elevator and change location of staircase.
Owner—The Paragon, Premises.
Architect—None.
Contractor—Daniel O'Neill, 273 Minna St., San Francisco. $4000

RECORDED

REPAIRS
(314) SW GOLDEN GATE AVE. AND Hyde S 137-6xW 137-6. Repairs to store building.
Owner—Joseph Estate Co.
Architect—T. Paterson Ross, 310 California St., San Francisco.
Contractor—H. D. Nichols, 1381 Stevenson St., San Francisco.
Filed Jan. 25, '22. Dated Jan. 20, '22.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $19,220
Bond, $10,000. Sureties, O. B. Martin and Edwin S. Tucker. Limit, 60 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported Jan. 23, 1922 No. 255.

FRAME STORE
(315) N CLEMENT 82-6 W Ninth Ave. One-story frame store.
Owner—Carl Jorgensen, 604 Mission St., San Francisco.
Architect — Edward E. Young, 251 Kearny St., San Francisco.
Day's work. 2600

APARTMENTS
(316) S GREEN 187-6 W Steiner. Three-story and basement frame (5) apartments.
Owner—Dr. F. A. Gawthorne, 708 Phelland Bldg., San Francisco.
Architect—None.
Contractor—H. S. Meinberger, 5720 California St., S. F. $15,000

TRUCK BLDG.
(317) E GUERRERO 150 N 19th. One-story frame truck storage building.
Owner—Dairy Delivery Co., 3550 19th St., San Francisco.
Architect—Will H. Toepke, 942 Market St., San Francisco.
Contractor—John Morton, Balboa Bldg., San Francisco. $6500

STORES AND LOFTS
(318) N MISSION bet. Fremont and Beale. Three-story and basement brick stores and lofts.
Owner—San Francisco Investment Co., % Architect.
Architect—D. C. Coleman.
Contractor—Monson Bros., 251 Kearny St., San Francisco. $38,500

DWELLING
(319) W THIRTY-NINTH AVE 235 N Fulton. One-story and basement frame dweling.
Owner—M. Little, 375 7th Ave., San Francisco.
Architect—Milton Morrison, 716 41st Ave., San Francisco.
Day's work. $3000

DWELLING
(320) E TWENTY-THIRD AVE 150 N Cabrillo. One-story and basement frame dwelling.
Owner—L. S. Winner, 385 4th Ave., San Francisco.
Architect—None.
Day's work. $3000

DWELLING
(321) E TWENTY-SIXTH AVE 325 N Cabrillo. One-story and basement frame dwelling.
Owner—Einar Fosselius, 709 5th Ave., San Francisco.
Plans by Owner.
Day's work. $3000

FRAME FLATS
(322) W TWENTY-FIRST AVE 225 S Anza. Two-story and basement frame (2) flats.
Owner—O. C. Holt, 543 21st Ave., S. F.
Architect—None.
Day's work. $8000

ALTERATIONS
(323) W WEBSTER 75 N Sutter. Alterations and additions for (2) apartments.
Owner—E. A. Bridgford, 310 California St., San Francisco.
Architect—T. Paterson Ross, 310 California St., San Francisco.
Day's work. $4600

FLOORING, ETC.
(324) NO. 1127-29-33-37 DIVISADERO Cement flooring; T. & G. roofs; new front, etc., for dwellings and stores.
Owner—H. Rosskamp, 1447 Divisadero St., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Contractor—Munster & Bornholdt, 1530 Broderick St., San Francisco. $9000

DWELLING
(325) SE FELTON 81 N Holyoke. One-story and basement frame dwelling.
Owner—S. Saari, 411 Goettinger St., San Francisco.
Architect—None.
Day's work. $3000

ALTERATIONS
(326) FOURTEENTH ST. bet. Mission and Valencia. Continue wing of present building (3rd floor).
Owner—The Realty Holding & Improvement Co., 344 14th St., S. F.
Engineer—L. H. Nishkian, Monadnock Bldg., San Francisco.
Contractor — Boxton & Zwieg, 809 Flatiron Bldg., San Francisco. $3000

LOFTS
(327) S HOWARD 250 E Second. Two-story and basement concrete lofts.
Owner—Herman Rumpf, 1801 Divisadero St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Vukicevich & Bagge, 180 Jessie St., San Francisco. $23,693

APARTMENTS
(328) NE TWENTY-FIRST AND SAN Carlos Ave., Three-story and basement frame (15) apartments.
Owner—A. W. Congdon, 76 2nd St., San Francisco.
Architect—W. F. Gunnison, 1666 Golden Gate Ave., San Francisco.

Contractor—Joel Johnson, 180 Jessie St., San Francisco. $30,000

ALTERATIONS

(329) S WALLER 106-3 E Steiner. Move, raise and add 2 rooms to dwelling.
Owner—Fred W. Mack, 473 Waller St., San Francisco.
Architect—None.
Contractor— John Barrett, 860 Guerrero St., San Francisco. $1000

RECORDED

RESIDENCE

(330) W LINE LOT 18 75 N Crescent Ave N 25 E 84.22 m or 1 to SW Leese SE 29.44 m or 1 W 104.04 m or 1 Ptn Lots 18, 19, 20 and 21 Blk G, French & Gilman Tract. All work for two-story and basement frame residence.
Owner—Alfred E. Hind, Colusa, Cal.
Architect—W. G. Hind, 3885 Webster St., San Francisco.
Contractor — Harry W. Hind, 1822 Hearst Ave., Oakland.
Filed Jan. 26, '22. Dated Jan. 26, '22.
Rustic and roof boards on..... 25%
Rough coat plaster on..... 25%
Completed and accepted..... 25%
Usual 35 days.....Balance
TOTAL COST, $4000
Bond, none. Limit, 60 days. Forfeit none. Plans and specifications filed.
NOTE—Permit reported Jan. 26, 1922 No. 306.

HARDWOOD FLOORS

(331) COR. FRANKLIN AND IVY Ave. All work for hardwood floors for 19 apartments.
Owner—Kiernan & O'Brien.
Architect—None.
Contractor—Inlaid Hardwood Co., 5636 Geary St., San Francisco.
Filed Jan. 26, '22. Dated Jan. 25, '22.
Payments to be drawn on work while work progresses.....
Balance within 5 days after completion .....
TOTAL COST, $1045
Bond, limit, forfeit, plans and specifications, none.

MACHINE SHOP

(332) N PACIFIC 127 W Larkin W 53xN 100. All work for one-story machine shop.
Owner—August Livenais, 1625 Pacific Ave., San Francisco.
Architect — O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—F. L. Hansen, 251 Kearny St., San Francisco.
Filed Jan. 26, '22. Dated Jan. 20, '22.
On 1st and 15th of each month 75%
Usual 35 days, balance.....$3000
TOTAL COST, $12,000
Bord, none. Limit, 60 days. Forfeit, $10. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Jan. 26, 1922—W PARKER AVE 373-4 N Euclid Ave. N 41xW 120.42. Moneta Investment Co. to George Morton and Jomes Arnott & Son.. .....Jan. 21, 1922

Jan. 26, 1922—N CALIFORNIA 52-6 W 14th Ave. W 25xN 100. Maurice Lager to whom it may concern.. .....Jan. 26, 1922

Jan. 26, 1922—S HIDALGO TERrace 153-3 E Dolores E 25xS 100. Harold F. Everett to W. J. Mangels.....Jan. 24, 1922

Jan. 26, 1922—N CALIFORNIA 27-6 W 14th Ave. W 25xN 100. Maurice Lager to whom it may concern.. .....Jan. 26, 1922

Jan. 26, 1922—N SUTTER 136-2¾ E Stockton E 31-3¼xN 137-6 W 30 S 74-6 W 1-3¼ S 63. A. F. Rousseau to whom it may concern.... .....Jan. 26, 1922

Jan. 26, 1922—S SUTTER 144 W Powell W 44-3x S 137-6. H. F. Rosseau to whom it may concern .....Jan. 26, 1922

Jan. 26, 1922—SE TWELFTH AVE and Cabrillo 57-6 on Cabrillo and 100 on 12th Ave. Otto E. Anderson to whom it may concern..... .....Jan. 26, 1922

Jan 25, 1922—W MISSION 340.90 N Charles N 25xW 58 m or 1. Victor Holmgren and Victor Bjorkman to whom it may concern..Jan. 25, 1922

Jan. 25, 1922—W CAPITOL AVE 25 N Grafton Ave N 25xW 100 Ptn. Blk 19, Lakeview. The McCarthy Co to James A Arnott & Son..... .....Jan. 25, 1922

Jan. 25, 1922—SW CALIFORNIA & Thirtieth Ave 32-6x100. Edward Ginley to whom it may concern... .....Jan. 24. 1922

Jan. 24, 1922—E BRYANT 85 S 22nd, No. 2417 Bryant. N. H. Pearson to whom it may concern. Jan. 23, 1922

Jan. 24, 1922—S GEARY 70 W Hyde 22-6xS 87-6. Charles A Munroe to J Gibbs, Crescent Electric Co. Cohn & Nordstrom.....Mar. 30, 1921

Jan. 24, 1922—S GEARY 70 W Hyde W 22-6xS 87-6. Chas A Munroe to R. Zelinsky.....Jan. 19, 1922

Jan. 24, 1922—W FOURTEENTH AVE 149 N Cabrillo N 25xW 127-6. Walter G. Vodden to whom it may concern.....Jan. 16, 1922

Jan. 23, 1922—W NINTH AVE 350 N California N 25 xW 120. Thore I Strand to whom it may concern.. .....June 23, 1922

Jan. 23, 1922—NW BUSH & TAYLOR 137-6x137-6. Denman Garage, Inc to Mission Concrete Co, Inc..... .....Jan. 6, 1922

Jan. 23, 1922—E TWELFTH AVE 254 N Cabrillo 25x120. Vera Ryan Parke to J M Peters...Jan. 23, 1922

Jan. 18. 1922—E FORTY-SIXTH AVE 200 N Fulton N 25xE 120; E 46th Ave 225 N Fulton N 25xE 120. John Harder to whom it may concern... .....Jan. 18, 1922

Jan. 21, 1922—E FUNSTON AVE 100 S Lake E 120xS 25. C H Harrison to Sandberg & Essmann...Jan. —, 1922

Jan. 21, 1922—SW MONTGOMERY & Bush W 60xS 68-9. Crocker Estate Co to Central Elec Co..Jan. 11, 1922

Jan. 21, 1922—SW MONTGOMERY & Bush W 60xS 68-9. Crocker Estate Co to Forderer Cornice Works... .....Jan. 11, 1922

Jan. 21, 1922—NE CABRILLO AND Forty-first Ave E 31-6xN 100. Ervin E Scharff to A H Ohlsen..... .....Jan. 21, 1922 .....Jan. 11, 1922

Jan. 21, 1922—W GENESSEE 75 S Hearst Ave S 25xW 100. Anders M Bae to whom it may concern..... .....Jan. 21, 1922

Jan. 21, 1922—W GENESSEE 50 S Hearst Ave S 25xW 100. Anders M Bae to whom it may concern..... .....Jan. 21, 1922

Jan. 20. 1922—LOT 15 BLK 2978. Merritt Terrace. Jas A Arnott to Jas Arnott & Son.....Jan. 20, 1922

Jan. 20, 1922—E ELEVENTH AVE 252 N Cabrillo N 25xE 120. Elizabeth G and Wm W Magill to whom it may concern.....Dec. 29, 1921

Jan. 20, 1922—SW MONTGOMERY & Bush W 60xS 68-9. Crocker Estate Co to whom it may concern.....

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

Jan 26. 1922—W WOODLAND DRIVE 20 N Lot 7 Blk 3174 S 45 N 82° 51' 26" W 95 N 42.836 S 84° 09' 46" E 95 Ptn Lots 6 and 7 Blk 3174, Westwood Park. G Massagl & Co vs Louis A Bauer .....

Jan. 26, 1922—S BUSH 80 W Polk W 30xS 60. J E Higgins Lumber Co vs Harry J King and Bessie King Wm O Snell (as San Francisco Hardwood Floor Co) .....

Jan. 24, 1922—E BRUSSELS 159 S Wilde 25x120. The Greater City Lumber Co vs M Radner and Harriet M Burnett.....$37.75

Jan. 23, 1922—W WESTWOOD DR dist N 26 from line Lot 7 Blk 3174 S 45 N 82° S 51' 26" W 95 N 42 836 S 83° 69' 46" 895. L B Hammond or Richmond Electric Co vs Louis and wife Lucy Bauer.....$75

Jan. 23, 1922—S PACIFIC AVE 162 W Octavia W 30xS 127-8¼. J E Higgins Lumber Co vs Ellen Boote, Thomas Scoble, Samuel Weinstein and Wm O Snell (as San Francisco Hardwood Floor Co).....$16.6

Jan. 21, 1922—N SUTTER 167-3 W Van Ness Ave W 57-6xN 120. D N & E Walter & Co vs Mendel Weissbleet $171

Jan. 19, 1922—N SUTTER 167-3 W Van Ness Ave W 57-6xN 120 W A 85. Joseph Michel and J A Pfeffer (as Michel & Pfeffer Iron Works) vs Mendel Weissbleet and Annetta Wise $230.50

Jan. 20, 1922—PTN LOTS 6 AND 7 Blk 3174 Westwood Park as follows: W Westwood Drive dist N 26 from line lot 7 blk 3174 S 45 N 82° S 51' 26" W 95 N 42.836 S 84° 09' 46" E 95. J W Heidenreich vs Louis and Lucy A Bauer, Merc. Trust Co, Cal Pac Title Ins Co and Alvin C Hustler $295

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount

Jan. 20, 1922—E FAIR OAKS 183 S 21st S 61xE 117-6. Mission Lumber Co vs T O Anfonsen and Carrie E Baker $206.54

Notice of Non Responsibility

SAN FRANCISCO COUNTY

Jan. 26, 1922—NW FILLMORE AND GOLDEN GATE AVE W 80xN 137-6 St. Mungo Corporation as to improvements on property.....

Jan. 25. 1922—SW EMBARCADERO 91-8 NW Mission NW 45-10xSW 137-6. Mercantile Trust Co as to improvements on property.....

Jan. 25, 1922—E MISSION 215 S 19th S 45xE 122-6. Adolph Helke as to improvements on property.. ....

Jan. 25, 1922—SE DUPONT AND Pacific S 57-6xE 55. David Devoto as to improvements on property..

Jan. 24, 1922—W MISSION 80 S 22nd S 40, No. 2620-2622 Mission. Chas. P. Gibbons as to improvements on property .....

Jan. 21, 1922—W YORK 40 S 19th S 118-3 W 93 N 55-3 E 41 N 63 E 52 Union Trust Co et al trs as to improvements on property.. .....

Jan. 20, 1922—S COLERIDGE & FAIR AVE SW 39-8xSE 122-6. Johan Schulze as to improvements on property .....

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
265	Werner	Owner	2000
266	Swartz	Corbett	1880
267	Smith	Owner	3[illegible]
268	Pantosky	Leach	5[illegible]
269	Hillen	Owner	3[illegible]
270	Hillen	Owner	3[illegible]
271	Dickman	Gossett	4300

272	Graham	Scott	31090
273	Samuels	Nelson	12018
274	Hall	Owner	3500
275	Allen	Allen	400
276	George	Orton	2000
277	Isaacs	Owner	3750
278	Isaacs	Owner	3750
279	Parker	Morris	4000
280	Gratton	Eppson	3000
281	Christie	Kidder	500
282	Ulrick	Petersen	485
283	Blodgett	Owner	2000
284	Sims	Owner	3000
285	Hopkins	Speanix	500
286	McWethy	McWethy	5000
287	Fuhelair	Anderos	1500
288	Wishart	Owner	3400
289	Dohahue	Orton	2000
290	Olson	Owner	5000
291	Henderson	Livingston	6087
292	S. P. Co.	Hutchinson	——
293	Jougeneel	Oakes	1000
294	Berkeley	Owner	1000
295	Pac T & T	Murch	500
296	Pallen	Owner	3800
297	Wilson	Oakes	400
298	Rhodes	McPhee	1150
299	Berkeley	Owner	2000
300	Ralston	Owner	3000
301	Hickson	Hickson	2000
302	Johnson	Pearson	500
303	Elsaner	MacDonald	9000
304	Oakland	Schnebly	3479
305	Huich	Healy	3000
306	Newman	Walker	500
307	Marquis	Owner	2000
308	Marquis	Owner	6000
309	Morse	Burks	3800
310	Foster	Owner	2250
311	Marquis	Owner	4000
312	Burke	Owner	600
313	Adams	Owner	1000
314	Matzke	Pedgrift	700
315	Peppin	Owner	8000
316	Peppin	Owner	4200
317	Peppin	Owner	8200
318	Peppin	Owner	8400
319	Peppin	Owner	4100
320	Fuller	MacDonald	——
321	Bain	Peterson	13000
322	Moore	Brennan	3500
323	Farr	Owner	3000
324	Peterson	Conner	500
325	Berg	Boodt	1000
326	Swanson	Ventre	3500
327	K. of P.	Andreson	1800
328	Luvisone	Owner	10000
329	Hendricks	Cal Bldrs	3000
330	Randall	Randall	5000
331	Wood	Silva	3650
332	Garzis	Higgins	475
333	Jennings	Owner	2000
334	Reeves	Sutton	1800
335	Fitch	Chapton	400
336	Davis	Rubenstein	6000
337	Kahn	MacDonald	800
338	Reeves	Sutton	3600
339	Tutt	Higgins	500
340	Pettier	Owner	550
341	Hinch	Healy	6000
342	Smith	Smith	3500
343	Carleton	Owner	3000
344	Carleton	Owner	3000
345	Hinch	Owner	3000
346	Fish	Owner	500
347	Conner	Owner	450
348	Malley	Malley	8000
349	Driscoll	Owner	3500
350	Cragmont	Henderson	2000
351	McMann	Sommarstrom	32000
352	Dunkler	Mason	3000
353	Young	Mason	1000
354	Morse	Morse	4000
355	Bryant	Owner	755
356	Dorward	Wilson	400
357	Greuner	Owner	500
358	Dunbar	Moe	480
359	Hedgler	Baird	3900
360	Fisher	Healy	3326
361	Itice	Owner	3500
362	Elliott	Smith	450
363	Brooks	Bullock	5630
364	Johnson	Baker	6502
365	Franks	Flittner	2900

PERMITS

(265) E GRANT 340 S Rose. One-story 5-room dwelling.
Owner—Chas A. Werner, 2416 10th St., San Francisco.
Architect—None.
Days work. $2000

ALTERATIONS

(266) NO. 461 and 471 ELEVENTH St., Oakland. Alterations.
Owner—Joe Swartz.
Architect—None.
Contractor — Corbett & Bayliss, 1110 Franklin St., Oakland. $1880

SCENIC RAILWAY

(267) IDORA PARK, Oakland. Scenic railway.
Owner—Joseph Smith.
Architect—None.
Day's work. $30,0000

FACTORY

(268) N TWENTIETH 128 W Kirkham, Oakland. One-story steel and frame factory.
Owner—J. Pantosky, 815 Lakeshore Ave., Oakland
Architect—None.
Contractor—Harry Leach. $5000

DWELLING

(269) N WENTWORTH AVE 39 W 51st Ave., Oakland. One-story 5-room dwelling.
Owner — R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work. $3000

(270) N WENTWORTH AVE 280 E Fairfax, Oakland. One-story five-room dwelling.
Owner — R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work. $3000

DWELLING

(271) LOT 9 Map Resubdivision Blk 6 Broadmoor, San Leandro. All work for one-story 5-room dwelling and garage.
Owner—Chas. A. and Bertha Dickman, Alameda.
Architect—None.
Contractor—Chester A. Gossett, San Leandro.
Filed Jan. 20, '22. Dated Jan. 19, '22.
Frame up ..... ¼
Plastered ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST.$4300
Bond, none. Limit, 75 days. Forfeit, plans and specifications, none.

MFG. BLDG.

(272) ADJOINING PRESENT PLANT in Newark. All work for one-story concrete and frame manufacturing plant.
Owner—Jas. Graham Mfg. Co., 531 Mission St., San Francisco.
Architect—C. N. Burrell, 1st Savings Bank Bldg., Oakland.
Contractor—G. A. Scott, 685 23rd St., Oakland.
Filed Jan. 19, '22. Dated Jan. 19, '22.
Forms up to window lintel box $5829.27½
Roof in place..... 5829.27½
Interior plastered 5829.27½
Completed and accepted.. 5829.27½
Usual 35 days.....7772.50
TOTAL COST, $31,090.00
Bond, $15,545. Surety, Globe Indemnity Co. Limit, none. Plans and specifications filed.

RECORDED

DWELLING

(273) NE ASHMOUNT & CROCKER Aves. 49.50x132.57, Piedmont. All work for two-story frame dwelling and garage.
Owner—Mervyn J & Alma G. Samuels. 814 Perry St., Oakland
Architect—Chas. W McCall, Central Bank Bldg., Oakland.
Contractor — H. P. Nelson, 1947 Blake St., Berkeley.
Filed Jan. 18, '22. Dated Jan. 17, '22.
Frame up $1738.50
Ready for lath..... 1805.00
Plastered 1810.00
Mill work completed..... 1825.00
Completed and accepted..... 1835.00
TOTAL COST, $12,018
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

DWELLING

(274) S AVENAL AVE 53 W 62nd Ave., Oakland. One-story 4-room dwlg.
Owner—Shelton C. Hall, 2933 High St., Oakland.
Architect—None.
Day's work. $3500

SHED

(275) NO. 4125-27 BROADWAY, Oakland. Shed.
Owner—Allen Art Studios.
Architect—None.
Contractor—F. E. Allen, 2718 Regent St., Berkeley. $400

DWELLING

(276) N E-EIGHTH 300 E Sixth Ave., Oakland. One-story 4-room dwlg.
Owner—F. G. George.
Architect—None.
Contractor—A. E. Orton & Co., 3336 68th Ave., Oakland. $2000

DWELLING

(277) S MODESTO AVE 400 E Fleming, Oakland. One-story 5-room dwelling.
Owner—Harry W Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLING

(278) N MODESTO AVE 400 E Fleming, Oakland. One-story 5-room dwelling.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLING

(279) N WELDON AVE 120 W Lakeshore Ave, Oakland. One-story 5-room dwelling.
Owner—Morris & Parker, 423 Hill Lane, Oakland.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—R. E. Morris, 423 Hill Lane Oakland. $4000

GARAGE

S FOOTHILL BLVD 73 W Seminary, Oakland. One-story tile garage.
Owner—Lenore C. Moulin, 145 Buena Vista Terrace, Oakland.
Architect—None.
Contractor—Clarke & Allen, 5805 Harmon Ave., Oakland.
NOTE:—Recorded contract reported Jan. 20, 1922, No. 264.

DWELLING

(280) NO. 601 ENSENADA ST., Berkeley. One-story 6-room dwelling.
Owner — George Grattan, Whitaker Arms Apartments, Berkeley.
Architect—None.
Contractor — Gustave Eppson, 742 Madison St., Berkeley. $3000

ALTERATIONS

(281) NO. 1924 HASTE ST., Berkeley. Alterations.
Owner—Mrs. J. A Christie, Premises.
Architect—None.
Contractor—H C Kidder, 2108 Addison St., Berkeley. $500

REPAIRS

(282) NO. 801 FIFTY-FIRST AVE., Oakland. Repairs.
Owner—A. Ulrick, 440 46th Ave., Oakland.
Architect—None

Contractor—J. B. Petersen, 2053 38th Ave., Oakland. $485

DWELLING
(283) FRUITVALE ACRES, Oakland. One-story 4-room dwelling.
Owner—N. A. Blodgett, 5044 Fairfax Ave., Oakland.
Architect—None.
Days work. $2000

DWELLING
(284) E-FORTY-SECOND AVE. 150 N Foothill Blvd., Oakland. One-story 5-room dwelling.
Owner—Wm. H. Sims, 1926 64th Ave., Oakland.
Architect—None.
Days work. $3000

ALTERATIONS
(285) NO. 5693 WEITH AVE., Oakland. Alterations.
Owner—T. A. Hopkins.
Architect—None.
Contractor—S. Speamix, Dover and 55th Sts., Oakland. $500

DWELLING
(286) S KEMPTON AVE. 140 W Moss Ave., Oakland. One-story 5-room dwelling.
Owner—L. R. McWethy, Albany Bldg., Oakland.
Architect—None.
Contractor—McWethy & Greenleaf, Albany Bldg., Oakland. $5000

DWELLING
(287) W SEVENTY-SECOND AVE. 340 S Rudsdale, Oakland. One-story 4-room dwelling.
Owner—T. Fuhelair.
Architect—None.
Contractor—R. Anderos, 1422 13th Ave., Oakland. $1500

DWELLING
(288) NW SIXTY-SECOND & BAKER Sts., Oakland. One-story 5-room dwelling.
Owner—John Wishart, 1074 62nd St., Oakland.
Architect—None.
Days work. $3400

DWELLING
(289) N TRENOR ST. 100 E-68th Ave., Oakland. One-story 4-room dwelling.
Owner—Dohahue & Orton, 3336 68th Ave., Oakland.
Architect—None.
Contractor—A. E. Orton & Co., 3336 68th Ave., Oakland. $2000

DWELLING
(290) SE VIONA AND SANTA RAY Ave., Oakland. One-story 6-room dwelling.
Owner—Alfred Olson, Everson Bldg., Oakland.
Architect—None.
Days work. $5000

DWELLING
(291) LOT 163 MAP NOVA PIEDmont, Piedmont. One and one-half story frame dwelling.
Owner—Herman B. Henderson, 198 Mountain St., Piedmont.
Architect—Raymond W. Jeans, 546 24th St., Oakland.
Contractor—Wm. Livingston & Son, 2918 Ellis St., Berkeley.
Filed Jan. 23, '22. Dated Jan. 23, '22
Frame up ..... ¼
Plastered ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $6,087
Bond, surety, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

CONCRETE PLATFORM, ETC.
(292) SIXTEENTH STREET STATION Oakland. Concrete platform and concrete curb.
Owner—Southern Pacific Railway Co.
Architect—None.
Contractor—Hutchinson Co., Hutchinson Bldg., Oakland.
Filed Jan. 23, '22. Dated Jan. 6, '22
Monthly payments 75%
10 days after completed and accepted 25%
TOTAL COST
Concrete platform, $.212 sq. ft.
Concrete curb, 98c per lin. ft.
Bond, $4000. Surety, Globe Indemnity Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

ADDITION
(293) NO. 2742 ALCATRAZ, Berkeley. Addition.
Owner—G. Jougeneel, Premises.
Architect—None.
Contractor—T. J. Oakes, 4238 Park Blvd., Oakland. $1000

ALTERATIONS
(294) ALLSTON 150 W Milvia, Berkeley. Alterations.
Owner—Berkeley School District, 2133 Allston Way, Berkeley.
Architect—None.
Day's work. $1000

UNDERPINING
(295) NO. 2112 BANCROFT, Berkeley. Underpining.
Owner—Pacific Tel. & Tel. Co.
Architect—None.
Contractor—Walter Murch, Federal Bldg., Oakland. $500

DWELLING
(296) NO. 1723 CAPISTRANO ST., Berkeley. One-story 6-room dwelling
Owner—A. H. Pallen, 686 61st St., Oakland.
Architect—None.
Day's work. $3800

GARAGE
(297) NO. 3136 ETON AVE., Berkeley. Garage.
Owner—D. R. Wilson, Premises.
Architect—None.
Contractor—T. J. Oakes. $400

ALTERATIONS
(298) NO. 2647 STUART ST., Berkeley. Alterations.
Owner—C. A. Rhodes, Premises.
Architect—None.
Contractor—Allan McPhee, 409 Hudson St., Oakland. $1150

ALTERATIONS
(299) SHATTUCK AND ROSE, Berkeley. Alterations
Owner—Berkeley School District.
Architect—None.
Day's work. $2000

PERMITS

DWELLING
(300) N BROOKDALE AVE. 50 E 38th Ave., Oakland. One-story 5-room dwelling.
Owner—C. M. Ralston, 3808 Brookdale, Oakland.
Architect—None.
Day's work. $3000

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1053 MARKET ST.
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DWELLING
(301) CALAVERAS AVE., Leona Heights, Oakland. One-story 4-room dwelling.
Owner—Leonard Hickson, 654 41st St., Oakland.
Architect—None.
Contractor—A. E. Hickson. $2000

DWELLING
(302) E DAVENPORT AVE. 150 N Cunningham, Oakland. One-story 3-room dwelling.
Owner—Mrs. Johnson, 1531 13th Ave., Oakland.
Architect—None.
Contractor—S. J. Pearson, 3432 Foothill Blvd., Oakland. $500

MACHINE SHOP
(303) SW FOURTH AND WASHINGton, Oakland. One-story brick machine shop.
Owner—M. Elsane, 130 Montgomery St., Oakland.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—MacDonald & Kahn, 130 Montgomery St., Oakland. $9000

POUND BUILDING
(304) SW FORD AND LANCASTER, Oakland. One-story pound bldg.
Owner—City of Oakland.
Architect—None.
Contractor—Schnebly & Hostrawer, 6th and Jackson Sts., Oakland. $3479

DWELLING
(305) N RAWSON 300 E Piedmont, Oakland. One-story 5-room dwelling.
Owner—J. T. Hinch, Federal Bldg., Oakland.
Architect—None.
Contractor—P. J. Healy, 39 Noce Ave., Piedmont. $3000

ALTERATIONS
(306) NO. 525 CLAY, Oakland. Alterations.
Owner—Newman & Korn.
Architect—None.
Contractor—Walker Refrigerator Co., 566 4th St., Oakland. $500

DWELLING
(307) E FORTIETH AVE. 120 S Carrington, Oakland. One-story 4-room dwelling.
Owner—E. M. Marquis, 2827 Russell St., Berkeley.
Architect—None.
Day's work. $2000

DWELLING
(308) E FORTIETH AVE. 140, 175 and 210 S Carrington, Oakland. Three 1-story 4-room dwellings
Owner—E. M. Marquis, 2827 Russell St., Berkeley.
Architect—None.
Day's work. $2000 each

DWELLING
(309) S FLEMING AVE. 400 W Seminary, Oakland. One-story 6-room dwelling, Oakland.
Owner—F. F. Morse.
Architect—None.
Contractor—C. E. Burks, 4129 Randolph Ave., Oakland. $3800

DWELLING
(310) N FIFTY-THIRD 75 W San Pablo, Oakland. One-story 4-room dwelling.
Owner—J. E. Foster, 4235 Tenoce St., Oakland.
Architect—None.
Day's work. $2250

DWELLINGS
(311) W ROSEDALE AVE. 280, 300 S Santa Rita, Oakland. Two 1-story 4-room dwellings.

Owner—E. M. Marquis, 2827 Russell St., Berkeley.
Architect—None.
Day's work. $2000 each

DWELLING
(312) LEONA HEIGHTS ADDITION, Oakland. One-story 3-room dwelling.
Owner—H. A. Burke, 878 Birdsall Ave., Oakland.
Architect—None.
Day's work. $600

ALTERATIONS
(313) W MARSHALL 100 S 61st St., Oakland. Alterations.
Owner—E. W. Adams, 5838 San Pablo Ave., Oakland.
Architect—None.
Day's work. $1000

ALTERATIONS
(314) NO. 477 SIXTY-SIXTH, Oakland. Alterations to building and erect garage.
Owner—H. M. Matzke.
Architect—None.
Contractor—Jas. H. Pedgrift, 410 Broadway, Oakland. $700

DWELLINGS
(315) E KINGSLAND 130 and 170 S Fleming, Oakland. Two 1-story 6-room dwellings.
Owner—J. B. Peppin, 86 Cambridge Ave., San Leandro.
Architect—None.
Day's work. $4000 each

DWELLING
(316) E KINGSLAND AVE 505 Fleming, Oakland. One-story 6-room dwelling.
Owner—J. B. Peppin, 86 Cambridge Ave., San Leandro.
Architect—None.
Day's work. $4200

DWELLINGS
(317) E KINGSLAND AVE 80, 100 and 200 N Madera, Oakland. Three 1-story 6-room dwellings.
Owner—J. B. Peppin, 86 Cambridge Ave., San Leandro.
Architect—None.
Day's work. (2) $400 (1) $4200

DWELLINGS
(318) E RAWSON 220 & 260 S Kingsland, Oakland. Two one-story 6-room dwellings.
Owner—J. B. Peppin, 86 Cambridge Ave., San Leandro.
Architect—None.
Day's work $4200 each

DWELLING
(319) E RAWSON 285 N Madera, Oakland. One-story 6-room dwelling.
Owner—J. B. Peppin, 86 Cambridge Ave., San Leandro.
Architect—None.
Day's work. $4100

WAREHOUSE
(320) W JACKSON 50 N 11th St., Oakland. Two-story brick warehouse and shop.
Owner—Fuller & Guepp, 32 Page St., San Francisco.
Architect—None.
Contractor — MacDonald & Kahn, 130 Montgomery St., San Francisco. $17,000

RECORDED

DWELLING
(321) E SEA VIEW AVE 543.20 N La Salle Ave. E 120xN 80, Piedmont. All work for two-story and basement frame dwelling and garage.
Owner—Charles H. and Orrie J. Bain, 24 Monticello, Piedmont
Architect—Albert Farr, 68 Post St., San Francisco.
Contractor—Alfred Peterson, 3918 Linwood Ave., Oakland

Filed Jan. 24, '22. Dated Jan. 23, '22. On 1st and 15th of each month 75% Usual 35 days..... 25%
TOTAL COST, $13,000
Bond, $6500. Sureties, Geo. A. Schuster and L. De Luchi. Limit, 120 days. Forfeit, $5. Plans and specifications filed.

DWELLLING
(322) NO. 1199 ALAMEDA, Berkeley. One-story 6-room dwelling.
Owner—A. Moore.
Architect—None.
Contractor—J. P. Brennan, 1519 Hearst Ave., Berkeley. $3500

DWELLING
(323) NO. 833 OXFORD ST., Berkeley One-story 5-room dwelling.
Owner—E. C. Parr, 956 Shattuck Ave., Berkeley.
Architect—None.
Day's work. $3000

ADDITION
(324) NO. 2415 ROOSEVELT AVE., Berkeley Addition.
Owner—Theo. Peterson, Premises.
Architect—None.
Contractor — Conner & Conner, Berkeley Way and Shattuck Ave., Berkeley. $500

ADDITION
(325) NO. 1520 ALAMEDA ST., Alameda. Addition.
Owner—C. Berg, Premises.
Architect—None.
Contractor—J. Boodt, 1375 Pearl St., Alameda. $1000

DWELLING
(326) NO. 1700 BROADWAY, Alameda. One-story 6-room dwelling.
Owner—A. Swanson, 2514 Clement St., Alameda.
Architect—None.
Contractor — James Ventre, 1861 Elm St., Alameda. $3500

ADDITION
(327) NO. 1510 OAK ST., Alameda. Addition.
Owner—Knights of Pythias, Prem.
Architect—None.
Contractor—H. C. Andresen, 1229 Pearl St., Alameda. $1800

APARTMENTS
(328) S ARLINGTON AVE. 70 E Los Angeles, Oakland. Two-story 16-room apartments.
Owner—Eugene Luvisone, 2576 Poplar St., Oakland.
Architect—None.
Day's work. $10,000

DWELLING
(329) NW ALLENDALE AND EASTman, Oakland. One-story 5-room dwelling.
Owner—R. V. Hendricks.
Architect—None.
Contractor—California Builders Co., 1534 Franklin St., Oakland. $3000

DWELLING
(330) N CHATHAM ROAD 95 W Park Blvd., Oakland. Two-story 7-room dwelling.
Owner—W. W. Randall, 471 Moss Ave., Oakland.
Architect—None.
Contractor—Gedo & Randall, 5361 Locksley Ave., Oakland. $5000

DWELLING
(331) N EL CAMILE 300 W 55th Ave, Oakland. One-story 5-room dwelling.
Owner—W. M. Wood, Syndicate Bldg., Oakland.
Architect—None.
Contractor—Silva & Matheyer, 1369 Hopkins St., Oakland. $3650

ALTERATIONS
(332) NO. 9319 EAST FOURTEENTH, Oakland. Alterations.
Owner—John M. Garzis.
Architect—None.
Contractor—W. H. Higgins, 9439 Foothill Blvd., Oakland. $475

DWELLING
(333) S EAST SIXTEENTH 120 W 28th Ave., Oakland. One-story 3-room dwelling.
Owner—A. C. Jennings, 505 18th St., Oakland.
Architect—None.
Day's work. $2000

DWELLING
(334) EAST EIGHTY-FIFTH AVE. 80 S Olive St., Oakland. One-story 4-room dwelling.
Owner—R. E. Reeves, 1505 37th Ave., Oakland.
Architect—None.
Contractor—J. F. Sutton, 4176 Quigley St., Oakland. $1800

SHED
(335) NW EIGHTY-SECOND AVE. & Foothill Blvd., Oakland. Shed.
Owner—Chas. A. Fitch, 2301 Webster St., Alameda.
Architect—None.
Contractor—L. R. Chapton, 412 Haight Ave., Alameda. $400

WAREHOUSE
(336) S FOURTH 200 E Broadway, Oakland. Two-story brick warehouse.
Owner—Herman Davis, 415 4th St., Oakland.
Architect—None.
Contractor—K. Rubenstein, 668 6th St., Oakland. $6000

FOUNDATION
(337) NE GRAND AVE. AND WEBster St., Oakland. Concrete foundation.
Owner—F. Kahn, 130 Montgomery St., San Francisco.
Architect—None.
Contractor—MacDonald & Kahn, 130 Montgomery St., San Francisco. $800

DWELLINGS
(338) W HARRINGTON AVE. 300 and 350 S Galindo. Two 1-story 4-room dwellings.
Owner—R. E. Reeves, 1505 37th Ave., Oakland.
Architect—None.
Contractor—J. F. Sutton, 4176 Quigley St., Oakland. $1800 each

REPAIRS
(339) NO. 1712 NINTY-SECOND AVE., Oakland. Repairs.
Owner—R. W. Tutt, premises.
Architect—None.
Contractor—W. H. Higgins, 9439 Foothill Blvd., Oakland. $500

DWELLING
(340) W 102ND AVE 105 S Birch, Oakland. One-story 3-room dwlg.
Owner — E. Pettler, 2134 Telegraph Ave., Oakland.
Architect—None.
Day's work. $550

DWELLINGS
(341) N RAMONA AVE 200 and 260 E Piedmont Ave., Oakland. Two 1-story 5-room dwellings.
Owner — J. T. Hinch, Federal Bldg., Oakland.
Architect—None
Contractor—P. J. Healy, 39 Nace Ave., Piedmont. $3000 each

DWELLING
(342) E SPRUCE 50 S Prospect, Oakland One-story 5-room dwlg.
Owner—D. S. Smith, 2051 Santa Clara Ave., Alameda.
Architect—None.

Contractor—Smith & Son, 2113 Santa Clara Ave., Alameda. $3500

DWELLING
(343) W SEVENTY-THIRD AVE 37 N Halliday, Oakland. One-story 5-room dwelling.
Owner — L. Carleton, 5432 Bond St., Oakland.
Architect—None.
Day's work $3000

DWELLING
(344) NW SEVENTY-THIRD AVE & Halliday, Oakland. One-story 5-room dwelling.
Owner — L. Carleton, 5432 Bond St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(345) N SCENIC WAY 200 E Seminary, Oakland. One-story 5-room dwelling.
Owner—E. M. Hinch, 420 15th St., Oakland.
Architect—None.
Day's work. $3000

ADDITION
(346) W THIRTY-NINTH AVE 325 S Santa Rita, Oakland. Addition.
Owner—Guy H. Fish, 2200 38th Ave., Oakland.
Architect—None.
Day's work. $500

ALTERATIONS
(347) NO. 9715 WALNUT ST., Oakland. Alterations.
Owner—William Conner, 972 60th St., Oakland.
Architect—None.
Day's work. $450

DWELLINGS
(348) N WALLA VISTA 500 and 550 E Arimo, Oakland. Two one-story 5-room dwellings.
Owner—F. T. Malley, 900 Lakeshore Ave., Oakland.
Architect—None.
Contractor—H. G. Malley, 2947 West St., Oakland. $4000 each

DWELLING
(349) NO. 1375 BERKELEY WAY, Berkeley. One-story 5-room dwlg.
Owner—John Driscoll, 28½ Warren St., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(350) NO. 1261 BURNETT ST., Berkeley. One-story 4-room dwelling.
Owner—Cragmont Land Co.
Architect—None.
Contractor—E. F. Henderson, 5744 Keith Ave., Oakland. $2000

APARTMENTS
(351) W COLLEGE AVE 100 S Woolsey, Berkeley. Three-story 36-room apartments.
Owner—R. E. McMann, 3754 Ardley Ave., Oakland.
Architect—Clay N. Burrell, 1st Savings Bank Bldg., Oakland.
Contractor — Sommarstrom Bros., 306 14th St., Oakland. $32,000

DWELLING
(352) NO. 1019 MERCED, Berkeley. One-story 6-room dwelling.
Owner—E. J. Dunkler.
Architect—None.
Contractor—Mason-McDuffie Co., Shattuck and Addison Sts., Berkeley $3000

ADDITION
(353) NO. 2820 REGENT ST., Berkeley. Addition.
Owner—C. C. Young, Premises.
Architect—None.
Contractor—Mason-McDuffie Co., Shattuck and Addison Sts., Berkeley $1000

DWELLING
(354) NO. 1748 SAN PEDRO, Berkeley. Two-story 6-room dwelling.
Owner—C. P. Morse, Elks' Club, Bkly.
Architect—None.
Contractor—Morse & Hind, 3012 Channing Way, Berkeley. $4000

WAREHOUSE
(355) SE UNIVERSITY AVE AND Bonar St., Berkeley. One-story warehouse.
Owner—C. H. Bryant, 2001 Durant Ave., Berkeley.
Architect—None.
Day's work. $750

ALTERATIONS
(356) NO. 5900 ELSIE, Oakland. Alterations.
Owner—D. Dorward, Jr., premises.
Architect—None.
Contractor—Leslie R. Wilson, 2216 Blake St., Oakland. $400

ALTERATIONS
(357) E MANILA 150 N 38th, Oakland. Alterations.
Owner—W. Greuner, 126 Grand Ave., Oakland.
Architect—None.
Day's work. $500

REPAIRS
(358) NO. 628 OAK, Oakland. Fire repairs.
Owner—Mrs. Dunbar, 447 Lee St., Oakland.
Architect—None.
Contractor—H. A. Moe, 4116 Allendale Ave., Oakland. $480

STORES
(359) SE PARK BLVD. AND EXCELsior, Oakland. One-story 3-room stores.
Owner—A. S. Hedgier.
Architect—None.
Contractor—Leroy M. Baird, 1450 Alice St., Oakland. $3900

DWELLING
(360) W RUBY 100 S 40th, Oakland. One-story 5-room dwelling.
Owner—Ray Wall Fisher, 433 38th St., Oakland.
Architect—None.
Contractor—P. J. Healy, 39 Nace Ave Piedmont. $3326

DWELLING
(361) S SIXTY-FIFTH 370 W Shattuck Ave., Oakland. One-story 5-room dwelling.
Owner—Geo. E. Rice, 1436 Berkeley Way, Berkeley.
Architect—None.
Day's work. $3500

GARAGE
(362) NW TENTH AND BRUSH, Oakland. Garage.
Owner—A. H. Elliott, 2901 Telegraph Ave., Oakland.
Architect—None.
Contractor—Frank Smith, 2230 17th Ave., Oakland. $450

RECORDED

DWELLING
(363) SW PROSPECT AND SPRUCE being Lot "A" Map Excelsior Heights, Oakland. All work for one-story and basement frame dwelling.
Owner—Lillie T. Brooks.
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.
Contractor—O. M. Bullock, 510 18th St., Oakland.
Filed Jan. 26, '22 Dated Jan. 21, '22.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST $5600
Bond, $2815. Surety, James P. Fox. Limit, 90 days. Forfeit, none. Plans and specifications filed
NOTE—Permit applied for today

DWELLING
(364) LOT 57, Piedmont Manor, Piedmont. All work for six-room dwlg and garage.
Owner—Edna S. Jonnson, Oakland.
Architect—None.
Contractor — William J. Baker, 2257 Ransome Ave., Oakland.
Filed Jan. 26, '22. Dated Jan. 25, '22.
Frame up $1627
Brown coated 1627
Completed and accepted..... 1627
Usual 35 days..... 1627
TOTAL COST $6502
Bond, none. Limit, 75 days. Forfeit, $2. Plans and specifications filed.

DWELLING
(365) N E-TWENTIETH ST. AND NW Twenty-second Ave NE 55xNW 100 Oakland. All work for one-story 4-room dwelling.
Owner—Rose A. Franks, 2135 19th Ave., Oakland.
Architect—None.
Contractor—Jos. Flittner,, 1700 35th St., Oakland.
Filed Jan. 26, '22. Dated Jan. 25, '22.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $2900
Bond, none. Limit, 60 days after Jan. 27. Forfeit, $1. Plans and specifications filed.
NOTE—Permit also applied for today

ALTERATIONS
NO. 1804 GROVE ST., Berkeley. Alterations.
Owner—H. Barcklay, Premises.
Architect—None.
Contractor—G. Johanson, 1357 Northside Ave., Berkeley. $1000
NOTE:—Recorded contract reported Jan. 16, 1922, No. 174.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted

Jan. 26, 1922—W RAND AVE 110 N Lake Park Ave. 40x112x128, Oakland. Mrs. Tillie Carpenter to C. W. Short.....Jan. 26, 1922

Jan 25, 1922—LOT 8 BLK "C" Map Northbrae Terrace, Berkeley. C E Carlson to whom it may concern.....Jan. 21, 1922

Jan. 23, 1922—N FORTY-SECOND 567.92 — being Ptn Lots 17 and 18 Blk 2091 ——, Oakland. George Westphal and Soren Jensen to F C Stolte.....Jan. 21, 1922

Jan. 23, 1922—N FORTY-SECOND 470.42 —— being Ptn Lots 18 and 19 Blk 2091 ——, Oakland. George Westphal and Soren Jensen to F C Stolte.....Jan. 21, 1922

Jan. 24, 1922—LOT 5 BLK 25, Amended Map Fairmount Park, Berkeley Douglas Campbell to whom it may concern.....Jan. 23, 1922

Jan. 24, 1922—LOT 34 BLK 2, Berkeley Square, Berkeley. Grover C Johnson by James W Plachek to Doney H Goodrich.....Jan. 21, 1922

Jan. 24, 1922—N SEVENTH bet. Willow and Campbell, Oakland. Lekos Bros by James W Plachek to A Feldheimer.....Jan 3, 1922

Jan. 24, 1922—NO. 1673 TACOMA Ave, Berkeley John Lehman to whom it may concern.Jan 19, 1922

Jan. 23, 1922—LOT 29 BLK 17 Map Lakeshore Highlands, Oakland Olaf Newlander to whom it may concern.....Jan. 20, 1922

Jan. 23, 1922—W TWENTY-THIRD Ave, 120 S E-29th, Oakland. John Repose and Mary Repose Falcon to A Frederick Anderson.....Jan. 20, 1922

Jan. 23, 1922—FRUITVALE POWER House, Oakland. Southern Pacific Co to J F Thorper & Son.....Jan. 20, 1922

Jan. 23, 1922—E ALICE 724.10 N 14th N 50xE 133.94, Oakland. L and Rachael Lewkowitz to M F Sommarstrom .....Jan. 21, 1922

Jan. 23, 1922—SE NINETY-EIGHTH Ave 115.5 NE Bancroft Ave NE 30.5xSE 100, Oakland. Fanny Weinstein to C L Hewitt.....Jan. 19, 1922

Jan. 21, 1922—SW CENTRAL AVE & NW Walnut NW 150xSW 140, Ala. First Church of Christ Scientist in Alameda to Wade & Miller, Jan 6, 1922; Claremont Electrical Co, Jan. 7, 1922; Ira W Coburn, Jan. 4, 1922; George Dixon.....Jan. 4, 1922

Jan. 21, 1922—LOT 31 and Ptn Lot 30 Blk 1, Lakeshore Highlands, Okd. Estella W Gorrill to whom it may concern.....Jan. 20, 1922

Jan. 21, 1922—PTN LOT 15 BLK "C" Map Excelsior Heights, Oakland. Karl S Fredrickson to whom it may concern.....Jan. 14, 1922

Jan. 21, 1922—LOT 25 BLK "H," Northbrae Terrace, Berkeley. P E Marquis to whom it may concern. .....Jan. 21, 1922

Jan. 21, 1922—SEVENTH bet. Market and Filbert, Oakland. Southern Pacific Co to Hutchinson Co..... .....Jan. 16, 1922

Jan. 21, 1922—LOT 17 BLK 2 Map Thousand Oaks Station Tct, Bkly. Reed W Thomas to whom it may concern.....Jan. 19, 1922

Jan. 20, 1922—LOT 12 BLK "M" Santa Fe Tract No. 4, Oakland. Henry Burk to G A Scott.....Jan. 9, 1922

Jan. 20, 1922—LOT 13 BLK 0 Map East Piedmont Heights, Oakland. H Goranson to whom it may concern.....Jan. 19, 1922

Jan. 20, 1922—PTNS LOTS 25 AND 26 blk D Map Piedmont Knoll, Oakland. Louis A and Edith S Penn. Chester A. Gossett to whom it may concern.....Jan. 19, 1922

Jan. 20, 1922—LOTS 16 AND 17 BLK 13 and N 10 lot 21 and S 30 lot 22 blk 15 Map Thousand Oaks, Berkeley Building Co. to whom it may concern.....Jan. 18, 1922

Jan. 20, 1922—SE SHATTUCK AVE. and Eunice St E 100 for ptn beg E 35xS 40, Berkeley. Alma I Gallbraith to Enoch Tranmal.... .....Jan. 14, 1922

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount

Jan. 19, 1922—LOT 21 BLK "E" Map East Piedmont Heights, California Door Co, $238; Powell Bros, Inc, $40.70; Inlaid Floor Co, $274.46; Louis H Spoll, $90; F C Meyer, $16.65; Perry C Fry, $46.81; P H Franks, $59.20; W F Pollard Jr, $145, L W Blake, $375 to Fred N Strang and W Price.....

HOMESTEADS

ALAMEDA COUNTY.

Jan. 26, 1922—LOT 82 AND W ½ LOT 83 blk 1 map Lakeshore Highlands, Oakland. Josephine Grossman $5000

Jan. 26, 1922—LOT 9 MAP GRAND Ave Terrace, Oakland. Bessie P. Cohn $5000

Jan. 25, 1922—LOT 3 BLK C MAP Peoples Boulevard Knoll, Oakland. Oscar and Tillie Ulmann.....$5000

Jan. 28, 1922—W NINTH 110 N Alleton Way N 40xW 130, Berkeley. Mattie and Fred Eckert.....$3150

Jan. 23, 1922—LOT 33 and W 4 Lot 34 Map Bona Terrace, Brooklyn Tp. Mae Cronin (wf James P).$5000

Jan. 23, 1922—LOT 36 Map Woodlawn Park, Oakland. Evelyn A Roach $5000

Jan. 20, 1922—NW SAN ANTONIO AV and Willow W 50xN 150, Alameda. Agnes Spatz Hauch (widow)..$5000

Jan. 21, 1922—NW EAGLE AVE AND Stanford W 47-6xN 100, Alameda. Hallie Russell (wf C J Jr.)....$4000

Jan. 19, 1922—E LAFAYETTE ST 93-4 N Encinal Ave N 46-8 E 108, Alameda. Irene Silvia (wf J W) $4000

Jan. 20, 1922—LOT 3 BLK B Map Maxwell Park. Harry C and Katharine W Cooper.....$5000

BUILDING CONTRACTS

SACRAMENTO COUNTY

DWELLING
NO. 1330 THIRTY-EIGHTH ST., Sacramento. Two-story 8-room dwlg.
Owner—Sam L. Hayes, 1631 28th St., Sacramento.
Architect—None.
Day's work. $6500

DWELLINGS
NO. 3085-3089 THIRTY-SECOND ST., Sacramento. Two one-story 5-room dwellings.
Owner—B. H. Bill, 3252 Marshall St., Sacramento.
Architect—None.
Day's work. $1800 each

REPAIRS
NO. 1616 SEVENTH ST., Sacramento. Repairs.
Owner—Philipp Grell, 1618 7th St., Sacramento.
Architect—None.
Contractor—G. E. Harvie, 2212 T St., Sacramento. $800

BUILDING
THIRTY-FOURTH ST. AND SIERRA Way, Sacramento. Concrete building.
Owner—California Highway Commission, Forum Bldg., Sacramento.
Architect—None.
Day's work. $23,000

DWELLING
NO. 5512 J ST., Sacramento. One-story 5-room dwelling.
Owner—John Bugatto, 905 X St., Sacramento.
Architect—None.
Contractor—P. Leoni, 1415 P St., Sacramento. $4100

DWELLING
NO. 2732 THIRTY-SECOND ST., Sacramento. One-story 4-room dwlg.
Owner—J. S. Amaral, 3410 Third Ave., Sacramento.
Architect—None.
Contractor—Minden Hall. $1600

PIERCE-BOS QUIT
Abstract & Title Co.
Capital Stock $100,000
Sacramento, Placerville, Nevada City, Reno
SACRAMENTO OFFICE
ROSS E. PIERCE, Manager
905 SIXTH STREET

DWELLINGS
NO. 5421-5364-5369 THIRTEENTH ST. and 5491-5423 Fourteenth St., Sacramento. Four one-story 4-room dwellings.
Owner—W. E. Trainor, 813 J St., Fresno
Architect—None.
Day's work. $1900 each

DWELLING
NO. 301 TWENTY-SEVENTH ST., Sacramento. One-story 5-room dwlg.
Owner—W. H. Bosler, 12th St., Road, Sacramento.
Architect—None.
Contractor—E. D. Brier, 813 J St., Sacramento. $3000

DWELLING
NO. 3041 FORTY-FOURTH ST., Sacramento. One-story 4-room dwelling
Owner — F. Francis, 4625 10th Ave., Sacramento.
Architect—None.
Day's work. $1500

SCHOOL
LELAND STANFORD SCHOOL at 38th and 4th Ave., Sacramento. Two-story brick and concrete school.
Owner—Sacramento School District.
Architect — Hemming, Petersen & Hudnutt, City Library Bldg., Sacramento.
Contractor—Betz & Mabrey, Ochsner Bldg., Sacramento. $225,499

DWELLING
NO. 1730 F ST., Sacramento. Two-story 5-room dwelling.
Owner—R. W. Irvine, 1615 K St., Sacramento.
Architect—None.
Contractor—Herndon & Finnegan, 1814 17th St., Sacramento. $4000

DWELLING
NO. 1219 X ST., Sacramento. One-story 5-room dwelling.
Owner—Mrs. Eliz. Mortine.
Architect—None.
Contractor—A. W Norris, Peoples Bank Bldg., Sacramento. $3500

BUTCHER SHOP
NO. 1987 STOCKTON BLVD., Sacramento. One-story butcher shop.
Owner — Wright & Kimbrough, 817 J St., Sacramento.
Architect—None.
Contractor—W. C. Keating, 1714 27th St., Sacramento. $3900

BUILDING
NO. 1612 K ST., Sacramento. Building.
Owner—Emma A. Mitchell.
Architect—None.
Contractor—Betz & Mabrey, Ochsner Bldg., Sacramento.
Filed Jan. 17, '22. Dated Jan. 12, '22. $——

BUILDING
NO. 1331 FRONT ST., Sacramento. Two-story building.
Owner—Capitol Fire Insurance Co., Capitol National Bank Bldg., Sacramento.
Architect—None.
Contractor — McGillivray Construction Co., Capitol National Bldg., Sacramento. $53,375

PACKING HOUSE
NO. 500 R ST., Sacramento. One-story packing house.
Owner—Virden Packing Co.
Architect—None.
Contractor — McGillivray Construction Co., Capitol National Bank Bldg., Sacramento. $15,500

DWELLINGS
NO. 3208 U ST AND 1204 V ST., Sacramento. Two 1-story 5-room dwellings.
Owner—Wm C Hevener, 1815 K St., Sacramento.
Architect—None

Contractor—A. W. Norris, Peoples National Bank Bldg., Sacramento. $3500 each

REPAIRS
NO. 707 TWELFTH ST., Sacramento. General repairs.
Owner—Henry Spring & Co., 707 12th St., Sacramento.
Architect—None.
Contractor—T. E. Cain, 1814 15th St., Sacramento. $500

DWELLING
NO. 3157 THIRTY-SIXTH ST., Sacramento. One-story 5-room dwelling.
Owner—N. E. Williams, 1010 18th St., Sacramento.
Architect—None.
Days work. $2900

DWELLINGS
NO. 3157 THIRTY-SIXTH AND 2149 36th St., Sacramento. Two 1-story 5-room dwellings.
Owner—Anna E. Williams, 1010 8th St., Sacramento.
Architect—None.
Days work. $2900 each

DWELLING
NO. 1031 FORTY-FOURTH ST., Sacramento. One-story 6-room dwelling.
Owner—W. G. Clark, 3825 J St., Sacramento.
Architect—None.
Contractor—J. F. Ransdale, 1055 41st St., Sacramento. $7000

MOVING BUILDING
FROM ELEVENTH AND O TO 3825 V St., Sacramento. Moving building.
Owner—H. T. Cowper, 816 O St., Sacramento.
Architect—None.
Days work. $1000

MOVING RESIDENCES
NO. 4825 AND 4833 V ST., Sacramento. Move 2 residences.
Owner—H. T. Cowper, 816 O St., Sacramento.
Architect—None.
Days work. $1000 each

GARAGE
NO. 1206 O ST., Sacramnto. Private garage.
Owner—Mrs. M. Martin, Premises.
Architect—None.
Contractor—L. C. Vertrees, 1611 38th St., Sacramento. $500

DWELLING
NO. 2415 TWENTY-FIFTH ST., Sacramento. One-story 5-room dwlg.
Owner—Frank Schwalenberg, 1608 7th St., Sacramento.
Architect—None.
Contractor—M. F. Ferra, 2315 9th St., Sacramento. $1500

DWELLINGS
NO. 2741 SANTA CRUZ WAY, Sacramento. Two one-story 5-room dwellings.
Owner—O. H. Moore, 2920 35th St., Sacramento.
Architect—None.
Day's work. $2000 each

REPAIRS
NO. 705½ NINETEENTH ST., Sacramento. General repairs.
Owner—C. C. Connelly, 709 19th St., Sacramento.
Architect—None.
Contractor—T. H. Bill, 2107 17th St., Sacramento. $1650

REPAIRS
NO. 3232 B ST., Sacramento. Repair fire damage.
Owner—Mrs. W. Kornosky, 1610 7th St., Sacramento.
Architect—None.
Contractor—P. F. Reed, 2545 28th St., Sacramento. $855

ALTERATIONS
NO. 310 N ST., Sacramento. Raise dwelling.
Owner—Mr. and Mrs. Louis DeBeaumont, 1409 3rd St., Sacramento.
Architect—None.
Days work. $500

DWELLING
NO. 3165 MARSH COURT, Sacramento. One-story 5-room dwelling.
Owner—W. F. Purnell, 2428 M St., Sacramento.
Architect—None.
Contractor—Thos. B. Hunt, 2026 S St., Sacramento. $2900

DWELLING
NO. 2027 SIXTEENTH ST., Sacramento. One-story 5-room dwelling.
Owner—C. A. Cook, 1119 I St., Sacramento.
Architect—None.
Contractor—Thos. B. Hunt, 2026 S St., Sacramento. $2900

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Jan. 20, 1922—LOTS 1, 2 3 AND 4 BLK 4, North Sacramento Sub. No. 9, Sacramento. Epworth M E Church to whom it may concern... .....Jan. 11. 1922

LIENS FILED

SACRAMENTO COUNTY.

Recorded Amount
Jan. 20, 1922—LOTS 1, 2, 3 AND 4 ramento. John Condon vs F Francis, W E Trainor, Trainor-Desmond Realty Co and T A Farrell $102.80

BUILDING CONTRACTS

FRESNO COUNTY

DWELLING
NO. 540 N ST., Fresno. Dwelling.
Owner—M. Goorafchian.
Architect—None.
Contractor—M. H. Melckian, 2122 S-Cherry St., Fresno. $3300

DWELLING
NO. 3838 KERCKHOFF ST., Fresno. Dwelling.
Owner—D. A. Moore, 3812 Kerckhoff St., Fresno.
Architect—None.
Contractor—T. J. Reese, 3811 Kerckhoff St., Fresno. $5500

DWELLING
NO. 1510 WILSON ST., Fresno. Dwelling.
Owner—K. P. Buwalda, 210 Dennett St. Fresno.
Architect—None.
Day's work. $3400

FILLING STATION
NO. 1666 OLIVE AVE., Fresno. Filling station.
Owner—Wm. McCarter.
Architect—None.
Day's work. $3800

DWELLING
NO. 1229 STAFFORD ST., Fresno. Dwelling.
Owner—Ellis & Telden.
Architect—None.
Day's work. $3500

DWELLING
NO. 901 VASSAR ST., Fresno. Dwelling.
Owner—John G. Porter, 940 Cambridge St., Fresno.
Architect—None.
Day's work. $7500

ADDITION
NO. 106 NORTH VAN NESS AVE. Fresno. Add to dwelling.
Owner—R. Thrane, Premises.
Architect—None.
Contractor—R. Pederson Co., 446 Clark St., Fresno. $2250

ALTERATIONS
NO. 900 BROADWAY, Fresno. Alter soft drink room.
Owner—C. W. Allen.
Architect—None.
Day's work. $600

DWELLING
NO. 622 FRANKLIN ST., Fresno Dwelling.
Owner—Richard Hahn.
Architect—None.
Day's work. $1500

DWELLING
No. 1242 ROEDING AVE., Fresno. Dwelling.
Owner—Jane Edgerton.
Architect—None.
Day's work. $4000

DWELLING
NO. 1285 ADALINE ST., Fresno. Dwelling.
Owner—L. M. Kilner, 120 Webster St., Fresno.
Architect—None.
Contractor—A. M. Chitty, 1405 Del Mar St., Fresno. $4000

DWELLING
NO. 4120 KERCKHOFF ST., Fresno. Dwelling.
Owner—R. W. Ferguson, 1047 T St., Fresno.
Architect—None.
Contractor—C. E. Buckmaster, 3220 Platt St., Fresno. $5300

ALTERATIONS
NO. 817 C ST., Fresno. Alter apartment house.
Owner—John Vulish.
Architect—None.
Day's work. $2000

ALTERATIONS
NO. 1215 J ST., Fresno. Alter theatre.
Lessee—Motab Invst. Co.
Architect—None.
Day's work. $2500

DWELLING
NO. 825 ELIZABETH ST., Fresno. Dwelling.
Owner—Marrietta Hays, 1003 Forthcamp St., Fresno.
Architect—None.
Contractor— Prichard Bros., Rowell Bldg., Fresno. $7400

DWELLING
NO. 4127 BALCH AVE., Fresno. Dwelling.
Owner—Minnie Thompson.
Architect—None.
Contractor—C. C. Romer. $3900

WORK SHOP
NO. 2442 WHITE AVE., Fresno. Work shop.
Owner—A. M. Hamlin, Premises.
Architect—None.
Day's work. $2000

ADDITIONS
NO. 1039 J ST., Fresno. Addition to store.
Owner—Valley Grill, 1146 J St., Fresno.
Architect—None.
Contractor—Emmett Riggins, 836 Harrison St., Fresno. $35,000

APARTMENTS, ETC.
NO. 1858-62 F ST., Fresno. Store and apartments.
Owner—P. Orlandi, 1447 F St., Fresno.
Architect—None.
Day's work. $6500

DWELLING
NO. 1545 COLLEGE AVE., Fresno. Dwelling.
Owner—A. C. Rosello, 1060 Q St., Fresno.
Architect—None.
Day's work. $3750

DWELLING
NO. 436 FRESNO ST., Fresno. Dwelling.
Owner—Jas. G. Sterrit.
Architect—None.
Days work. $700

DWELLING
NO. 3141 MONTECITO ST., Fresno. Dwelling and garage.
Owner—R. W. Bandy.
Architect—None.
Day's work. $4500

STORE
NO. 702 M ST., Fresno. Store.
Owner—A. Hagopian, Wolters Colony (ranch), Fresno.
Architect—None.
Day's work $2000

DWELLING
NO. 3644 ILLINOIS AVE., Fresno. Dwelling.
Owner—T. H. Paulson, Premises.
Architect—None.
Day's work. $2500

ALTERATIONS
NO. 1121 VAN NESS AVE., Fresno. Alter restaurant.
Owner—T. Risley, 1933 Fresno St., Fresno.
Architect—None.
Contractor—F. J. Stone, Mason Bldg., Fresno. $3000

DWELLING
NO. 3250 LYELL ST., Fresno. Dwelling
Owner—Thos. Montgomery, 274 Thesta St., Fresno.
Architect—None.
Day's work. $4000

DWELLING
NO. 3603 BALCH AVE., Fresno. Dwelling and garage.
Owner—A. Douglas.
Architect—None.
Contractor—O. D. Atkins, 3338 Lowe St., Fresno. $4500

DWELLING
NO. 3509 NEVADA AVE., Fresno. Dwelling and garage.
Owner—Chris Christensen, 3667 Iowa, Fresno.
Architect—None.
Days work. $3500

DWELLING
NO 3242 McKENZIE AVE., Fresno. Dwelling.
Owner—W. J. Palfrey.
Architect—None.
Days work. $3000

COMPLETION NOTICES

FRESNO COUNTY.

Recorded Accepted
Jan 20, 1922—LOT 6 N 22 OF LOT 7 blk 8 Van Ness Hts, Fresno. G. A. Garrett to whom it may concern .....Jan 18, 1922
Jan 19, 1922—W 1 FT LOT 22 and 23 E 14 ft. Lot 24 Speedway Tract, Fresno. Jas K Douglass to whom it may concern .....Jan. 17, 1922
Jan. 18, 1922—W ½ LOT 20 Burlingame Villa Park, Fresno. Geo Wolf to whom it may concern. .....Jan 18 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount
Jan. 19, 1922—LOTS 12 AND 13 BLK 10, Arlington Heights Tct, Fresno. C S Pierce Lumber Co vs E F Lacour, D L and Rosa L Smith.....$93
Jan. 18, 1922—LOTS 17 AND 18 BLK 55, East Fresno. W E Davis vs E W Morris $102

Notice of Non-Responsibility

FRESNO COUNTY

Jan. 19, 1922—LOTS 34 AND 35 BLK 4, Belridge Park, Fresno. Bertha L Corum as to improvements on property .....

BUILDING CONTRACTS

SANTA CLARA COUNTY

BUNGALOW
CURTNER AVE., San Jose. All work for seven-room bungalow.
Owner—Pauline G. and Wm. H. Dennis.
Architect—C. V. Brown, 521 N-16th St., San Jose.
Contractor—C. V. Brown, 521 N-16th St., San Jose.
Filed Jan. 18, '22. Dated Jan. 18, '22.
House roughly enclosed.....$1379.10
Brown coat plaster on..... 1379.10
House completed 1379.10
Usual 35 days..... 1379.20
TOTAL COST, $5516.50
Bond, limit, forfeit, none. Plans and specifications filed.

BUSINESS BLOCK
W SANTA CLARA ST. near River St., San Jose. Concrete business block.
Owner—J. R. Phelps, 245 Alameda St., San Jose.
Architect—None.
Day's work. $3000

COTTAGES
AUTUMN ST., near Julian, San Jose. Two 4-room cottages.
Owner—A. M. Whiteside, 71 S-19th St., San Jose.
Architect—None.
Day's work. $1800 each

COTTAGE
NO. 520 EAST ST. JOHN ST., San Jose. Four-room cottage.
Owner—Mrs. Wilcoxon.
Architect—None.
Contractor—J. Ennis.

COTTAGE
FOLHEMUS AND SPRING STS., San Jose. Four-room cottage.
Owner — B. Rondoni, 666 Spring St., San Jose.
Architect—None.
Day's work. $950

ALTERATIONS
FIRST AND SAN ANTONIO STS., San Jose Alterations on 2nd floor.
Lessee—Commercial Club.
Architects—Binder & Curtis, 255½ S-First St., San Jose.
Contractor—R. O. Summers, 17 N-First St., San Jose. $3500

ALTERATIONS
NO. 71 S-THIRD ST., San Jose. Alterations.
Owner—A. M. Kellner, Senter and Ford Roads, San Jose.
Architect — C. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—Clyde Alexander, 34 E-Santa Clara St., San Jose. $3000

ALTERATIONS
S-SECOND near San Fernando St., San Jose. Alter front
Owner — Pacific Furniture Co., 245 S-First St., San Jose
Architect—None.
Contractor—R. O. Summers, 17 N-First St., San Jose. $575

COTTAGE
WILLIAM ST. near Seventh St., San Jose. Six-room 2-part cottage.
Owner—Mrs. Summerhayes, 64 N-9th St., San Jose.
Architect—H. W. Higbie, Porter Bldg., San Jose.
Contractor—Geo. W. Dobson, 347 S-Third St., San Jose. $3850

COTTAGE
ROYAL AND SAN SALVADOR STS., San Jose. Six-room cottage.
Owner — P. Albanese, 433 Royal St., San Jose.
Architect—None.
Contractor—Felix Savio, 44 N-River St., San Jose. $3600

ALTERATIONS
NO. 475 S-FOURTH ST., San Jose. Alterations.
Owner—O. M. McLin.
Architect—None.
Day's work. $——

WORK SHOP
PREVOST ST. near Grant St., San Jose. Work shop.
Owner—Chas. Johnson.
Architect—None.
Day's work. $650

ALTERATIONS
NO. 473 N-ELEVENTH ST., San Jose. Alterations.
Owner—Margaret Brown.
Architect—None.
Contractor—A. J. Anderson. $475

ALTERATIONS
NO. 390 N-FIFTH ST., San Jose. Alterations.
Owner—R. Hill.
Architect—None.
Day's work. $400

COMPLETION NOTICES

SANTA CLARA COUNTY.

Recorded Accepted
Jan. 19, 1922—STANFORD UNIVERSITY, Palo Alto. Sidney D Townley to George Bertsche.....Jan. 9, 1922
Jan. 18, 1922—SAN JOSE. Tony Botelho to Edward Luthold.....Jan. 9, 1922
Jan. 19, 1922—STANFORD UNIVERSITY, Palo Alto. Professor L R Abrams to George Jacobsen.....Jan. 16, 1922

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
Jan. 24, 1922—SAN JOSE. Southern Lumber Co vs M Solamini, S G Stinerson and C L Southgate.$750.92

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

RESIDENCE
NORTH PILGRIM ST., Stockton. Residence.
Owner—Malcolm Urquhart.
Architect—None.
Days work. $1200

REMODELING
NO. 1445 N CALIFORNIA ST., Stockton. Remodeling.
Owner—Frank Casey, 1545 N California St., Stockton.
Architect—None.
Days work. $3900

ALTERATIONS
NO. 820 NORTH CENTER ST., Stockton. Remodel building and erect garage.

Owner—C. C. Henderson, 621 E-Anderson St., Stockton.
Architect—None.
Day's work. $1200

RESIDENCE
WEST ROSE ST., Stockton. Residence and garage.
Owner—R. B. Thomas.
Architect—None.
Day's work. $4200

RESIDENCE
NO. 1427 EAST ACACIA ST., Stockton. Residence and garage.
Owner—Geo. Tetlow, 1523 E-Worth St., Stockton.
Architect—None.
Day's work. $2650

RESIDENCE
CENTRAL AVE., Stockton. Residence and garage.
Owner—W. J. Field, 423 Mendocino St., Stockton.
Architect—None.
Days work. $2700

RESIDENCE
NORTH YOSEMITE ST., Stockton. Residence and garage.
Owner—F. P. Dobson, 27 W Oak St., Stockton.
Architect—None.
Days work. $5100

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
Jan. 24, 1922—McKINLEY SCHOOL Building, Stockton. Stockton Board of Education to Shepherd & Riley .....Jan. 18, 1922

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
Jan. 24, 1922—A PTN OF SE ¼ of sec 34 T 1 S R 7 E, the S 13.9 acres of that certain tract of land des as beg at a point on E line of said sec 34, 2389.2 ft N of SE cor of said sec running th N 850.5 ft th W 2650.8 ft to ½ sec line th S along said ½ section line 850.5 ft th E 2650.8 ft to point of beg. Manteca Lumber Co a cptn vs C Vallelunga, S Vallelunga and Germano M Silva..$414.56
Jan. 24, 1922—SE ¼ of NW ¼ and N 30 acres of NE ¼ of the SW ¼ sec 20, T 2 S R 7 E. Manteca Lumber Co a cptn vs D H Ward.....$159.04
Jan. 17, 1922—LOT 10 & 12 BLK 77, W of Center St., Stockton. Marshall & Stearns Cptn vs Belle K Jackson and G Ralliet.....$90
Jan. 17, 1922 — LOCATION NOT Given. Manteca Lumber Co vs J H Long and A H Long.....$174.97
Jan. 9, 1922—LOT 7 BLK 3 Stewart Addition, Manteca. Manteca Lumber Co vs J H Long and A H Long $174.97

Notice of Non-Responsibility

SAN JOAQUIN COUNTY

Jan. 24, 1922—A RECTANGULAR tract of land fronting 75 ft on E line of Sacramento St and 60 ft on N line of Oak St, Lodi. Central Pacific Railway Co by J O'Hara, owner—Notice dated January 9, 1922 that said company will not be responsible for any work or labor done at request of Standard Oil Co .....

BUILDING CONTRACTS

SAN MATEO COUNTY

DRILLING WELLS
BAY SHORE STATION. Drilling and casing 2 wells, not to exceed 250 feet in depth.
Owner—Southern Pacific Company.
Contractor—A Paulson.
Filed Jan. 24, '22. Dated Dec. 14, '21
Monthly payments 75%
Usual 35 days.....25%
TOTAL COST, $5.50 lin. ft.
Bond, $1,500; surety, National Surety Co., New York. Limit, 60 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
LOT 138 SAN MATEO PARK, San Mateo, Cal. Furnish and construct except painting, electric wiring and hardware; two-story frame residence.
Owner—E. H. Rix, 481 14th Ave., San Francisco.
Architect—W. H. Crim, Jr., 425 Kearny St., San Francisco.
Contractor—John Morton, San Francisco.
Filed Jan. 25, '22. Dated Jan. 16, '22
Lath on $783.75
Exterior wall and plastering completed 783.75
Completed and accepted..... 783.75
Usual 35 days..... 783.75
TOTAL COST, $3,135
Bond, $1,586. Sureties, Henry F. Papenhausen and George H. Hausell. Limit, 74 working days. Forfeit, $10.00 day. Plans and specifications filed.

BUNGALOW
PTN LOT 3, School House Extension Land Association, Colma. All work for one-story frame bungalow and basement garage.
Owner—A. Bertocchi.
Architect—None.
Contractor—Vittorio Pera.
Filed Jan. 20, '22. Dated Jan. 11, '22.
Roof on $825
1st coat plaster on..... 825
Completed 825
Usual 35 days..... 825
TOTAL COST, $3555
Bond, $1650. Sureties, F. Martini and A. V. Beroni. Limit, 120 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Jan. 24, 1922—LOT 15 BLK 23 Easton Add 2 Burlingame, Burlingame, Cal. H. J. Hughes to whom it may concern.....Jan. 20, 1922
Jan. 17, 1922—LOT 20 BLK K San Mateo Heights, San Mateo. Anna Stapleton to J. W. Powers.....
Jan. 17, 1922—LOTS 17, 18, 33, 34, 39 and 40 blk 5, Burlingame. Burlingame Grammar School District to W. L. Hickey.....Jan. 16, 1922

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
Jan. 25, 1922—ON MORSLE N: E of San Carlos. John Williams vs Elliette O'Brien $70.00

VALLEJO BRICK AND TILE CO. ORGANIZED

Preliminary organization of the Vallejo Brick and Tile Company has been consummated. The corporation is capitalized at $500,000 and the stock will be divided into 50,000 shares at $10 par value. Sales of stock will be started immediately upon receiving permission from the state corporation department.

HOUSING SHORTAGE WILL BE PROBLEM FOR NEXT FIVE YEARS

The housing shortage in this country will not be overcome within the next five years, even with the best of good fortune. This statement was made by John Ihlder, manager of the Civic Development Department of the Chamber of Commerce of the United States, before the recent housing conference of the American Society of Civil Engineers, held in New York. Ihlder said that even the well-to-do would not be as adequately provided with good housing in 1927 as they were in 1914.

"As for the wage-earner, let alone the poor, their problem will be with us a good deal longer," he said. "Consequently it is part of common sense to base our proposals on the proposition that the campaign will be long continued and that whatever is to produce results must be economically sound." Ihlder pronounced as dangerous some of the so-called "emergency" housing legislation. He pointed out that during the last two years there has been legislation not based upon any deep study, and designed merely to check, temporarily, certain abuses from which a vocal part of the community is suffering. Legislation designed, not to cure, but simply to reduce irritation, he said, is likely to have effects quite unlooked for.

Ihlder explained that during the war he was an advocate of government housing for war workers.

"That was a time of real emergency and it had a definite terminal point, the end of the war," he said. "Today the situation is fundamentally different. What we do now has no definite terminal point. Any date we may set is easily changed. What we do now sets precedents, establishes a habit of mind which will carry on. So it is important that our precedents, our habits of mind, have in them the possibility of continued growth and development. Adequate and good housing must pay a fair return on the investment. Only so can we be assured of enough good, new housing to meet our growing needs and our rising standards."

Speaking of building costs, Ihlder said that "so far as experience goes, such short cuts to the millennium as government building and management do not promise to reduce real costs. Government operation, not only in this country but in others whose distance gives a haze of enchantment, has, as a rule, proved clumsy, inefficient, and expensive. Certain functions must necessarily be performed by government, but the burden of proof is always on those who would transfer new functions to the government. So far, proof is lacking that governmental construction or management of housing would produce better or as good results in America as would private. But at the same time those of us who hold to this belief must recognize that dissatisfaction with present housing conditions is causing a growing sentiment for direct participation by the government. Our only effective answer is to produce better results through private operation.

"In brief then, the kind of housing legislation which, because of experience, we can count upon to aid, is regulatory, the kind that protects the men who would contribute to the public wealth from the exploiter who would prey upon the public wealth. This kind of legislation, building codes, housing codes, city planning and zoning ordinances, we should perfect and promote, confident that if well devised it will encourage building because it will make investment more secure."

STABILIZING PRIVATE INDUSTRY THROUGH PUBLIC WORKS

(Continued from Page 8)

general business conditions will be compared month by month in more complete studies and analysis than have heretofore been attempted. These reports would serve as a guide to the Federal Government. When the wave of private industry is rapidly rising, federal public works would be postponed. When serious unemployment is in sight, at a given signal all accumulated federal public works would go forward. The cities may be expected to make use of this guide and thus make a national synchronous policy possible. Any city which follows such a course will build less of its ten-year total at top prices and at the same time steady employment at home.

Business Men May Profit

Business men may well make profitable use of this survey of business conditions and thus avoid contracting credits which freeze on their hands, and postpone plant extension and large purchase when the wave is near its top. Some large corporations already have their own experts to chart these movements, and as a result a number of them come upon the present depression fully prepared. The profits they earned by being able to buy freely after the drop, and to manufacture while their competitors were overstocked at high prices, were profits well earned. Each one of these corporations did its share in diminishing the depression because it had checked its own expansion during the rise. At school we learned that little drops of water, little grains of sand, make the mighty ocean and the mighty land. Every little industrial plant and every little town can add a grain to the stability and safety of the whole mighty country.

A few figures are encouraging. The national income, measured by production, average forty billion dollars. The widest fluctuation in factory production in years unaffected by war orders has been two billions. Theoretically, public works can be planned to increase by one billion when factory production is decreased by two billions. If twenty per cent of all public works are postponed during good years and executed in one year of depression which may come once in ten years, public works can lift one-half the weight af a serious depression in factory production. After making allowances for all variations in production, such as mining, transportation, etc., it is estimated that public works can be arranged to make up one-third the total of variation. In reality it can do more; it can lengthen the intervals between depression by diminishing the height the wave is allowed to reach at any time. Such a program vitally affects the construction industry. When fully carried out a contractor will be assured that when private contracts are scarce public contracts will be more plentiful.

Program Is Practical

Two proofs of the practicability of this program are at hand. In the year 1921, when private industry was employing a lower percentage of men than ever before, as far as we can judge from available statistics, public works were employing twice as many men. The war had checked public works in the same way that the Kenyon bill proposes to do during peace times of active industry. Consequently part of the accumulation was ready to hand. The municipalities prepared to do six hundred million dollars more of public work than ever before, a total of 12 hundred million during a year when private corporations were making a minimum of expenditure for new enterprises.

The other proof is equally striking. Heretofore the bulk of road construction has been concentrated into a few summer months. Preparations were made slowly during the spring. Now for the first time manufacturers of tractors and road machinery report that they received orders in December which formerly did not come to them until April. Consequently, work will be fully under way on the roads several months earlier in 1922 than heretofore. This is clearly a result of the kind of advance planning recommended by the President's conference on unemployment. In Minnesota, New York, and elsewhere the road materials are being placed on the ground during the winter, thus giving employment during more months of the year and at a time when the contractor's men and teams would otherwise be idle.

Support Kenyon Bill

We can look back on 1921 as a year of great depression and also of great promise. The Conference on Unemployment and the Kenyon bill have stated a new national policy of preparedness in industry. In these great efforts at a new industrial statemanship Mr. Hoover's hand, often invisible, is ever at work.

The Associated Contractors in giving support to the Kenyon bill will assist a noteworthy attempt to iron out a part of the fluctuations of industry. The representatives of the construction industry have joined in formulating these measures and are needed in carrying them out. Therefore, organized support of the Kenyon bill by this convention is the logical next step.

If all Americans are to feel secure in America, if all Americans are to feel proud of America, if America is to progress in civilization as it must, then the Kenyon bill and all other measures must be utilized to make the recurrence of the unnecessary waste and suffering inherent in industrial depression forever impossible.

INCREASING PRODUCTION IN THE BUILDING TRADES

(Continued from Page 8)

Increase in output in construction involves:

A. Economic design and outlay.

B. Selection of best tools and materials.

C. Simplifying the work.

D. Fixing in advance the amount of work to be done by each man.

E. Giving the man a definite money incentive.

F. Eliminating lost time waiting for orders, waiting for materials, looking up tools, using improper tools, etc.

Establish these as working programs. Construction will increase and develop in proportion to our ability to develop in the first place economies of construction operation, and in the second place harmonious relations with our workmen which will provide them an incentive either financial or otherwise to take hold from day to day and from hour to hour and work in harmony with the employer.

STUDIO BALL AND REVEL PRIZES AWARDED

Most Original Costume awarded to Mrs. Hershberger, Mrs. Reynolds and Mrs. Ray Woodward; Mr. Garrison and Mr. Arndt

Most Artistic Costume: Miss O'Keefe, Walker Glenn and E. W. Worster.

Building Material Costume: Mrs. Willard and Winifred Liegliner; Dr. Barbour and Mr. Cottington.

Architectural Costume: Mrs. J. R. Jeffrys and Mrs. E. Selleck; Mr. R. J. Jeffrys and L. A. Mills.

Most Practical Costume: J. V. Baird.

Activities of Stockton Architects

Glenn Allen: Preliminary drawings being prepared for fireproof garage for H. S. Dawson, $45,000; preparing preliminary plans for three-story class C apartment house for L. Jacobs, $35,000; working drawings being prepared for two-story brick residence for H. L. Pabst, $10,000; will ask bids shortly for two-story addition to H. S. Dawson warehouse, reinforced concrete construction, $40,000; working drawings being prepared for two-story brick residence to be erected in Victory Park, $35,000; work now underway on completion of west wing of Georges Company building, $10,000.

Peter L. Sala: Preparing preliminary plans for eight-room addition to Jefferson school, class C construction, $80,000; preliminary sketches being prepared for altering three-story store and lodging house, $15,000; preliminary sketches under way for one and one-half story class C residence, $12,000; construction under way on three-story store and lodging house for J. C. Caine, $30,000.

Wright & Satterlee: Bids will be asked shortly for completion of West Park Grammar school at Tracy, $65,000; work will be started about March 1st on Clay Street Methodist Church with auditorium seating approximately 350, will be brick trimmed with artificial stone, slate roof, $30,000. Wright, Satterlee and Stone, associate architects, preparing plans for additions to Lodi High school, $250,000, election will be held February 17th to vote bonds to finance construction. Plans completed for alterations and minor additions to J. C. Penny store in Stockton.

Louis S. Stone: Plans being completed for high school auditorium, shops and gymnasium for Stockton, reinforced concrete with steel frame, $100,000; plans nearing completion for Elmhurst high school, Oakland, $90,000, W. C. Dickey, supervising architect. Gymnasium for Antioch high school, brick exterior walls, $18,000, plans being completed. Plans ready for bids in two weeks for brick and terra cotta store building to be erected in Oakland, $20,000. Preparing plans for residence in West Stockton, $10,000.

Architect Franklyn E. Warner preparing plans for Grant school to be erected in Stockton. Building to contain 17 classrooms and assembly hall. Class C construction. Also preparing plans for a store and office building, $50,000; a 24-apartment structure, $45,000, and a two-story residence, $15,000, all to be erected in Stockton.

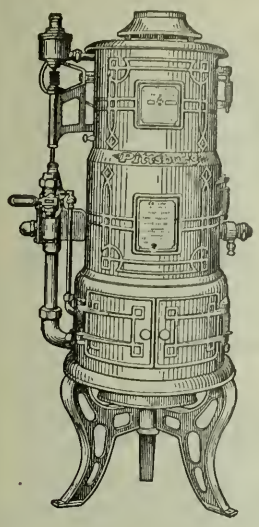
Architects Jos. Losekann and W. Clowdsley completing plans for a two-story brick and concrete, 14 classroom school for city of Stockton; estimated cost, $125,000.

Architect C. H. Young taking figures for high school gymnasium to be erected for Ripon Union High School District.

Architect Frank V. Mayo completing plans for one-story brick and concrete addition to El Dorado school in Stockton; estimated cost, $40,000. Will contain four classrooms.

Architect Ralph P. Morrell, preparing plans for three-story class C store and hotel to be erected in Lafayette street, Stockton, for V. and G. Puma; estimated cost, $35,000. Will contain 18 rooms and 3 stores.

School construction under way or planned in Sonoma county totals $825,000. The Petaluma High school will cost $250,000; school buildings for Santa Rosa, $250,000, $25,000 for improving Roseland school; $30,000 for Cotati school, and $250,000 for high school in Sonoma City.



A BIG THING

New Model No. 65

"Pittsburg-Bungalow"

Automatic Water Heater.

Capacity three gallons per minute.

Just the size to fit the average two-story home or nice Bungalow.

A "Pittsburg" Automatic Gas Water Heater installed in the home indicates high quality throughout.

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SAN FRANCISCO, CALIF., FEBRUARY 4, 1922

Published Every Saturday
Twenty-second Year No. 5

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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LUMBER MARKET IS HOLDING UP STRONG

The lumber market continues to exhibit strength, with the greatest activity shown in Douglas fir from the Pacific coast. Fir logs are scarce and high in price and manufacturers are having difficulty in securing sufficient quantities to produce the lumber needed to take care of orders booked. Consequently, buyers are working hard to place orders for fir and price advances have been well sustained. In the southern pine regions orders are considered satisfactory for this season and the market is firm but not as strong as the fir market. Prices generally, according to the American Lumberman, are firm and the tendency is to advance them.

According to figures gathered by the National Lumber Manufacturers' Association, orders for 1921 exceeded production by 4 per cent and shipments exceeded production by 1 per cent. This, of course, varied in different sections. For example, in the territory where California white pine and sugar pine are cut, orders were booked for 33 per cent more lumber than was produced, while in the redwood manufacturing district orders were booked for only 74 per cent of the lumber produced. In two major softwood producing regions, namely, southern pine and Douglas fir, the record of orders, shipments and production tally almost exactly for the totals of the entire country. In view of these facts no immediate change in the trend of the lumber market is expected and the belief is general that higher prices will result.

At least $20,000,000 will be spent on highways in Western Canada during the next five years, according to programs submitted to the Federal authorities.

BOND SALES SHOW BIG INCREASE IN 1921

In the first eleven months of 1921, more than one billion dollars worth of city, county and state bonds, to be used for the most part in road and street construction, were sold. For the same period in 1912 the sales were $367,000,000 and for the same period in 1916 they were $463,000,000. Last year during the first eleven months bond sales of this character amounted to $692,000,000. The 1921 sales are 57 per cent ahead of any year for the past decade. These facts show conclusively that the volume of public work to be done in 1922 will exceed that of any period of twelve months during the past ten years.

1922—A YEAR OF PROMISE

(Ernest I. Trigy, President)
(The Material Federation of Construction Industries)

Nineteen Twenty-two offers great activity to the Construction Industry. Our success will be the measure of our appreciation of our oportunities and our willingness to think of the interest of the public and the necessity for rendering real service to it. The Construction Industry is the greatest industry in the world. Its usefulness to humanity is second only to food and clothing. The industry as a whole has aparently not fully realized its oportunities and its responsibilities; closer cooperation between the various branches of the Industry on those matters which are of common interest will undoubtedly bring us closer to a realization of our proper ambitions. The industry is recognized by the public generally in a better way than it has been in the past; its importance is apreciated to a greater extent than ever before. The Industry is learning to cooperate within itself to a greater degree than in the past. Let's go forward along healthful, sound lines in Nineteen Twenty-two to the greatest possible extent with the realization that "Cooperation and not Competition is the life of trade."

BIG OREGON LUMBER DEVELOPMENT PLANNED

The Long-Bell Lumber Company, with headquarters in Kansas City, Mo., and which has for many years been the biggest lumber concern in the Southern pine forests, has in contemplation the development in Oregon of immense timber operations. R. A. Long, Chairman of the Board of the company, with F. J. Banister, President; J. D. Tennant, vice-president; R. F. Davis, traffic manager; W. L. Pickett and W. F. Ryder, are now touring Oregon to study the points of vantage of the saw mills already erected.

In the last few days they have gone over the details of the project at Kelso, Wash., where a tremendous mills is to be erected, and have also reviewed maps of the extensive timber lands acquired by the company in Cowlitz and Lewis counties, Washington.

DAVIS-HELLER-PEARCE, STOCKTON ARCHITECTS, REPORT BUSY SEASON

Davis-Heller-Pearce Co., Architects and Contracting Engineers, Stockton, are preparing plans for two-story reinforced concrete and brick Manteca high school; estimated cost $200,000. Bids will be asked about March 1.

Plans being completed for Government Industrial School to be established on Rough and Ready Island, near Stockton. Improvements planned will cost, $100,000.

Plans being prepared for two-story reinforced concrete and brick, 100 by 100 ft., store building for Weber Ave., Stockton; estimated cost, $80,000.

Construction will be started shortly on a two-story reinforced concrete and brick First Presbyterian Church in Stockton; estimated cost, $130,000.

From plans prepared by Architects Davis-Heller-Pearce, the following projects are now in course of construction: Stockton Chamber of Commerce building, reinforced concrete and brick, $75,000; gymnasium for Sonora high school, reinforced concrete and brick, $40,000; Salida grammar school, concrete and brick, $20,000; McKinley grammar school for city of Stockton, reinforced concrete and brick, $140,000.

Davis-Heller-Pearce Co., are also Supervising Architects and Engineers on the school building program for the city of Stockton. This work includes four new buildings and additions to the present structures. The work when completed will represent an expenditure of $1,275,000.

CONCRETE CASING IS TEREDO PROOF, ENGINEER CLAIMS

Concrete casing for wharf piling, evolved as a means of combating the ravages of the teredo, was exhibited at the Shell Oil Plant in Martinez, by C. O. Cortez, engineer, who, with others, for the past few months have been making a detailed investigation of means to defeat the borers.

G. R. Rear of the Southern Pacific Co., W. T. Richards of the San Francisco-Sacramento railroad, D. Rintoul and G. A. Hinds of the Standard Oil Co., Professor Fitz of the University of California, O. K. Smith and T. B. Swift of the Mountain Copper Company and H. M. Goodman of San Francisco were among engineers who viewed the piles and heard from Cortez a report on experiments conducted by the Shell company. Experiments with concrete casings have been carried on for the last six months. The pile has been found as an efficient way to fight the teredos, Cortez declares. At present the teredo is making his presence known only as far east as Crockett.

STATE NEEDS ARCHITECTS

Examinations for assistant estimator, junior estimator, architectural draughtsmen, bookkeepers, stenographers, messengers, and matron and assistant matron for the state architect's office will be held in the near future by the State Civil Service Commission, to provide help to carry out the $4,000,000 building program which was announced by the state department of public works, recently.

The Observer

The Kisselguhr or Sil-o-cel insulating and sound deadening materials secured from a large deposit near Fillmore, Ventura county, are to be developed to new uses as a building material by a recently incorporated new organization, controlled by the present holders of the properties, to be known as the California Asbestos & Kisselguhr Co., capital stock $1,000,000. The incorporators are O. P. Posey of Pasadena; Bernhard Rosenow, G. D. Goodlett, Nella A. Bell, Janet U. Rosenow, L. M. Rosenow and Harry M. Irvin, of Los Angeles.

A mortgage from the Pacific States Lumber Company, formerly the Coos Bay Lumber Company, to the Central Trust Company of Illinois for $8,000,000, has been filed at Martinez. Timber holdings and the plant at Bay Point are listed in the mortgaged property. The mortgage represents money secured by the lumber company to effect a reorganization.

J. C. Ferger has been elected president of the San Joaquin Valley Lumbermen's Association. Ferger has been serving as secretary of the association for the past 12 years. He succeeds W. E. Landram of Merced. Frank Frane of Reedley, was chosen vice-president, and Frank Minard of Fresno, secretary, to succeed Ferger, J. G. Martin of Fresno was reelected treasurer.

The U. S. Cast Iron & Pipe Foundry Co., announces purchase from a Toronto syndicate, headed by Gordon Perry, of exclusive rights for use of the De Lavaud process for manufacture of cast iron pipe in the United States and its possessions and Cuba. The new process is said to be the most revolutionary development in the history of the cast iron pipe industry, according to the "Wall Street Journal."

Reorganization of the Modoc Lum-Co., at Klamath Falls, Ore., which suspended operations last season when lumber prices slumped, has been effected, J. O. Goldthwaite, president, announces. This season's program includes the building of 14 miles of logging road and erection of dry kilns and planing mill. The sawmill has a capacity of 250,000 feet per 24 hours. Two daily shifts will be operated.

Twenty-nine miles of highway were completed in Sutter county during the year 1921, at a total cost of $464,752.72, according to a report filed with the supervisors by Oscar W. Lanzendorf, engineer for county highways. Sutter county's highway mileage now is 65½ miles, 18 miles of which is state highway. In 1920, 18½ miles of highway were constructed in the county.

The steady demand for Pacific Northwest lumber products and the increase in sawmill production are creating a general improvement in business conditions, according to word from Seattle. Bank deposits have increased more than $5,000,000 in Seattle since October and savings accounts show a striking improvement between September and December of 1921.

The American Association of Engineers, which has completed an investigation of employment conditions affecting professional engineers throughout the United States, reports there are now 17 per cent more men unemployed than a year ago, 45 per cent fewer position available and the average salary offered is 9 per cent less.

The Thomson-Starret Co., building contractors of New York, announce it is ready to co-operate with Samuel Untermyer in an attempt to solve the housing problem through undertaking, without compensation, supervision of building the proposed 1500 model tenements, including 45,000 four-room apartments.

Herman Lawson and Clarence Drucker have organized a co-partnership in the plumbing and steam heating business and will operate under the name of Lawson & Drucker, with offices and shop at 450 Hayes street. Drucker was formerly connected with the firm of James & Drucker.

The Livermore postoffice had heavy mails last week. Two and one-half tons of bricks were sent by parcel post to architects and contractors throughout the state by the Livermore Brick Company. The complete shipment totaled 230 packages, four bricks in each.

The Columbia Tire Corporation announces it will construct a $250,000 plant in Portland, Ore. The plant will cover a site of seven and one-half acres fronting Columbia boulevard in the North Portland industrial district. R. A. Wurtzburg, is president.

John E. Ames, Vallejo contractor, announces he will sue the Builders' Exchange of that city, to collect damages, alleging that because of his refusal to accept the American Plan of employment, the Exchange refused to sell him building materials.

The Honcut-Yuba Irrigation District, comprising 30,000 acres on the east side of the Feather river in Butte and Yuba counties, will bond for $1,780,636 on February 27th. Proceeds of the sale of the bonds will finance construction in the district.

Contractors and building material dealers of Reno, Nevada, have been asked by the Chamber of Commerce to attend a meeting at which time it is proposed to outline plans for the organization of a Builders' Exchange.

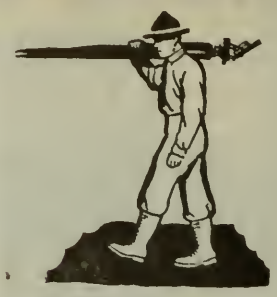
Northern Pacific Railway contemplates the erection of new shops and extensions at South Tacoma. An expenditure of $350,000 is proposed.

Two thousand painters, interior decorators and paper hangers in St. Louis, Mo., have agreed to work for $1 an hour; a 20 per cent reduction.

The Western Retail Lumbermen's Assn. will hold its annual convention at the Hotel Utah, Salt Lake City, Feb. 16, 17 and 18, 1922.

Colorado has the highest yacht anchorage in the world at Grand Lake at an altitude of 8,369 feet, where a regatta is held every summer for a Lipton cup.

ALONG THE LINE



Grant-Smith Co., Railway Exchange Bldg., Portland, Ore., has contract to grade for double track of the Great Northern Railroad in the state of Washington between Lamona and Bluestem and between Hillyard and Dean. F. S. Elliott, supervisor for the railroad at Spokane, is authorized to expend $757,000 on the first named stretch and $209,000 on the latter. Track work will be done by the company crews.

A highway 1000 miles long will be built on the west coast of Mexico, extending from Nogales to Sonora and Tempic, to relieve unemployment in that country. It will cost between seven and ten million dollars and the construction will give employment to 10,000 men. The highway will follow the main line of the Southern Pacific Railway along the west coast of Mexico.

Carl Gould has been elected president of the Washington State Chapter American Institute of Architects. Other officers are: First vice-president, Louis Baeder; second vice-president, Frederick Westcott; third vice-president, A. J. Russell; secretary, H. O. Sexsmith; treasurer, Carl Siebrand; executive committee member, C. H. Alden.

Louis F. Leurey, electrical engineer of San Francisco, has been chosen by the directors of the Modesto Irrigation District to make an investigation of the cost of distributing electrical energy to be generated at Don Pedro. Whether the district shall distribute power for private interests will be determined by the investigation.

Ruoff, Monson, Roalfe & Purington, architects and engineers, have opened offices in the Pomona State Bank Bldg., Pomona, Calif. C. A. Purington is in charge of the branch office and desires catalogs and samples of building materials and supplies.

Plans for the improvement of the eastern section of Alameda, adjacent to the bay, will be discussed at the next meeting of the City Planing Commission, according to Clifton E. Hickok, city manager.

W. F. Bowen, formerly architect for the De Luxe Bldg. Co. of Los Angeles, has opened offices for himself at 720 Union League Bldg., that city. He is associated with W. E. Chadwick, engineer.

Geo. Paterson, retired lumber dealer of San Francisco, died February 1st, at his home, 68 Joost avenue, at the age of 86 years. He established himself here in 1884.

Whitlock & Fox, Sixth and Pacific streets, San Pedro, desires catalogs and building trade lists for their designing department.

American Road Builders' Association Closes Thirteenth Good Roads Show

That the good roads movement in the United States and Canada is running on high gear with an impetus that is developming the greatest road building era in all history, was demonstrated at the Twelfth American Good Roads Congress and Thirteenth National Good Roads Show held at the Coliseum in Chicago, January 16th to 20th last, under the auspices of the American Road Builders' Association.

With an attendance of approximately 20,000, and exhibits by 177 exhibitors of some $2,000,000 worth of road-building machinery, methods, materials, appliances and transportation equipment that overflowed the Coliseum and annex into two adjoining buildings, this great event proved to be the largest and most auspicious in the history of the Road Builders' organization. The technical papers and discussions surpassed in quality and instructive value those of any previous meeting, and the sales by exhibitors at the show are reported to have broken all records.

Important action on a number of questions was taken. Among other things the resolutions pledged the support of the American Road Builders' Association to the elimination of advertising signs, grade crossings and interurban tracks from the highways; condemned the attitude of negation displayed by railroad companies and state railroad commissions on the subject of grade crossings; endorsed the pending Woodroff Highway Bill which appropriates $100,000,000 as Federal aid for good roads annually for five years, beginning July 1, 1922; urged the Interstate Commerce Commission and the various state railroad commissions to put an end to present existing inequalities in freight rates on road materials, and petitioned President Harding to take such action as may be necessary for the United States to become a member of the International Road Congress.

Other resolutions pledged the association to work for efficiency and permanency in the personnel of all highway departments, and the elimination of partisan politics from highway construction. The Congress also went on record as favoring a pavement width of not less than 20 feet for all trunk highways or roads carrying dense traffic. Hearty endorsement was given to the efforts being made by various committees to find a method of stabilizing subgrades and of ascertaining the relationship of subgrades to traffic and road surfaces.

The resolutions committee consisted of Clifford S. Lee, director, Highways Information Service, New York City, Chairman; George W. Tilson, Consulting Engineer, La Grange, Ill.; Frank Page, State Highway Commissioner, Raliegh, N. C.; A. W. Dean, Chief Engineer, State Department of Public Works, Boston, Mass.; H. G. Shirley, County Engineer, Baltimore, Md.; W. A. Welch, Chief Engineer, Palisades Interstate Park Commission, New York City, and Frank Terrace, President Washington State Good Roads Association, Seattle, Wash.

President H. L. Bowlby appointed a committee to work out a plan of co-ordinating the location and dates for the next conventions of the American Road Builders' Association, The Associated General Contractors of America, the American Society of Civil Engineers and the American Association of State Highway Officials. This committee consists of C. M. Upham, State Highway Engineer for North Carolina and Secretary of the American Association of State Highway Officials; W. D. Uhler of the Pennsylvania State Highway Department, and Gen. R. C. Marshall, Washington, D. C., representing the Associated General Contractors.

President Harding sent a message to the convention in which he said: "There is now a universal agreement that no single public improvement has done in recent years, or will do in the coming years, more for the general good of the country than the development of our highway system. The task is an enormous one, but better methods both in physical construction and in the relation of the community to highway development have been taking form in a most encouraging way. Your own organization has been a chief contributor in this direction, and it is with much pleasure that I ask you to extend to its members my best wishes for their continued success."

OAKLAND PROVIDED HOMES FOR 12,000 PEOPLE LAST YEAR

The housing shortage in Oakland is being rapidly relieved, according to figures in the office of the department of public health and safety. During 1921 contracts were let for 2129 one and two-story dwellings. This is in addition to the contracts let for 65 apartment houses. In these apartments are included accommodations for slightly over 700 families, thus indicating a total provision for domestic housing for the year of accommodations for 2829 families, or about 12,000 people.

Just to indicate that this house building program was on a permanent and dignified scale, it may be stated that provision was made for 1855 garages to go with the homes.

The total expense involved in construction for purely domestic housing during 1921 was $8,227,000.

These figures further show that contracts for homes were let at almost eight a day for the entire year. Builders say that the present year may double these figures.

In opening the Congress, President H. L. Bowlby, predicted that the present generation will see the time when the United States will have the finest and most extensive system of arterial and tributary highways the world has ever known. "It will be a system," he said, "of beautiful paved roads, properly located, adequately drained, splendidly shaded with trees, adorned in many instances with hedges and shrubbery and in other instances, edged with sidewalks; lighted by electricity, kept in repair by working patrols and protected against highwaymen by squads of mounted state police. Grade crossings ultimately will have disappeared and it will be possible for tourists and others who traverse the highways to use them in greater safety. All of this will tend to make rural life more popular and will have a certain measure of effect in arresting the migration of so much of our rural population to the cities.

"I am sure we all wish to see American roads not only the most durable and the most beautiful, but the most economically maintained of any roads in existence. It is to be regretted that the beauty of our highways is marred by so many advertising signs. Many states have already led the way with legislation prohibiting them on an part of the right-of-way. Advertising signs upon, along or adjacent to public highways serve no good purpose. On the contrary, they are nothing more or less than a public nuisance. They destroy the beauty of the landscape, impair the vision of motorists in dangerous places and add to the difficulty of properly directing and warning traffic.

"I desire to take this occasion heartily to endorse, as President of this organization, the recent action of Congress, in adopting the policy of Federal Aid for highways applicable to a definite system of interstate and inter-county highways, as provided by the Federal Highway Act, approved by the President Nov. 9, 1921. I also wish to take this occasion to commend the present national administration for its positive stand for a system of roads adequately constructed and properly maintained. Fortunately for the country at this time we have in the White House a man who has long been a consistent advocate of good roads.

"While highway improvement has made tremendous strides in the United States in recent years, it is still in its infancy. Eighty-five per cent of American roads are yet to be improved, but so great has the interest in the subject become that it is not now so much a question of raising the money required to build good roads as it is a problem of spending wisely the large sums al-purpose. Roads should be built not for a day, but for all time and they should be built not only with a view to creating a great national highway transportation system such as President Harding advocates, but with a view to full and complete co-ordination with all other transportation facilities, including the waterways and the railroads.

"Good transportation facilities constitute one of the greatest sources of a nation's wealth. We of this generation do not have to search the pages of history to appreciate the vital part that highways have played in our national development. The passenger automobile and the motor truck industries which, combined, now rank third in America, both in the capital invested and in the value output, are absolutely dependent for their stability and growth upon good roads. The expansion of our agricultural production is largely a question of good roads. This is true also of practically every phase of our industrial development. The highways are the arteries of trade and through them flows the blood which gives to the nation its commercial life. It is these arteries that bind the communities together, foster the greater community spirit, develop the national unity and weld the American people into a cohesive whole. And it is only by nationalism such as this that America, the greatest of all republics and the nation that now enjoys the leadership of the world, can hope to fulfill that great mission of equality, fraternity and eternal brotherhood toward which the finger of destiny points the way."

Discussing the subject "Uniform

Legislation as Affecting Highway Traffic," D. C. Fenner of the International Motor Company, New York, declared that "uniform legislation does not mean necessarily that all states should adopt one and the same law, identical in all their provisions. This," he said, "might be considered the ideal condition, but from a practical standpoint, it is not necessary. What is needed, however, is uniformity in those section of the state laws that deal with definition of terms, traffic regulations, hand signals, qualifications for drivers, size and weight restrictions, obligatory equipment of a vehicle, headlight laws and the determination and disposition of liscense fees."

In discussing "A Business of Highway Commission," C. M. Upham, State Highway Engineers for N. C., laid stress upon the matter of rendering to the public an accurate account of all expenditures. "The Highway Commission," he said, "must be able to show the actual cost of construction of all roads and must surely show the cost of maintenance per mile per year for every piece of state highway. There are many detailed problems arising, such as the purchase of materials and equipment, but each of these questions must be handled as it would be done by an individual or corporation. It is its further business to see that the highways are at all times economically maintained in their highest degree of excellence."

Speaking upon "Co-operation in Road Building," William Ord of The Lakewood Engineering Co., Cleveland, O., declared that wherever co-operation has been intelligently and faithfully tried it has proved of great value. "It takes time," said Mr. Ord, "for the benefits of co-operation to become fully manifested, but in the long run it always pays. It is necessary for us road builders to get together to see how we may use our co-operation for the benefit of our industry as a whole. It is to be noted that practically all branches of our industry have been organized for co-operation among the members of each branch. The people have their good roads associations, automobile clubs, and chambers of commerce with good road committees. Our highway engineers, contractors, machinery and material people, also the railroads, banks, and bonding houses, are all associated with others of their kind.

"We know for instance how much the brick, cement and asphalt associations have helped solve hard surface problems by their investigations and how the Associated General Contractors have stabilized contracting by co-operating with the engineers to improve contracts. We also know how the auto clubs have helped broaden the demand for good roads. Regardless of how much these associations may be able to do, it remaains for the members here to co-operate among themselves and with all the others involved to a much greater extent than they have done in the past."

An interesting address was delivered by Thos. H. MacDonald, Chief of the United States Bureau of Public Roads, who discussed to some extent the farmers relation to highway improvement. He pointed to the low price of corn and added that the farmer is paying rent on land values 160 per cent above the old normal level. "Farm labor," he declared, "is costing more and everything the farmer buys is higher, while his products bring less. This is exactly the reason why good roads must be built at once. They will save the farmer and he knows it. The farmer needs farm-to-market roads just as the nation needs connecting national highways. Good roads mean prosperity, good homes, good morals and good citizenship."

Necessity for Organization in the Construction Industry

An address delivered by Col. Evan Shelby, (formerly Legal Advisor to the Construction Division U. S. Army), at the National Convention of the Associated General Contractors, Cleveland, Ohio.

Before the World War, I had a rather hazy idea of the business of Contractors. It seemed to me to consist principally of inducing public officials with very little previous information, to give some individual of small financial responsibility and perhaps very little construction experience a large job at a very high figure which would permit enough profit to divide with the politicians and still leave a fairly large return to the fortunate "best" bidder.

My views have changed since then. I know now what an important part the construction industry plays in the life of our country. Next to farming it is the basic industry of the Nation. It is the foundation stone of manufacture, transportation and nearly all urban life.

When we entered the Great War our lack of preparedness was nowhere more acute than in the matter of construction. There was no such thing as an Organized Construction Industry. Some of the allied professions such as engineering and architecture were organized, but the Contractors, the people who really do the construction work of the country were practically without organization, in fact they were the most highly competetive class of all of our commercial life. The need for the entire output of all of our construction forces was immediately brought home to the Government. The Army and Navy, the agencies through which the industrial life of the Nation was to be changed from peaceful to warlike purposes, found at the very outset that the old methods by which Contractors were competing in huge gambling operations where risk of complete failure was usually the price of getting a job, would not produce the Government requirements and allow us to become the turning factor in the War. They could not risk failure on their important jobs even if the Contractors were willing to take the risk of being entirely wiped out.

The work had to be done, and the thing which confronted those responsible for the work was the necessity of utilizing to the best advantage the ability, the experience and the resources in equipment, money and men of the Contractors of our Country. This necessity created the Construction Division of the Army—which can be described as a large holding company into which were gathered together most of the construction resources of the Nation. I do not mean just the managerial force of the Construction Division—the men in uniform and their associates who might be called the Central Office force—but the thousands of construction units—the Contractors and the Sub-contractors who were gathered together and called upon to perform in the field the biggest construction program ever seen at any time in any country.

What an everlasting pity it is that the needs of an acrimonious political campaign should have brought into the public press and upon the platform false and distorted reports of that great and patriotic achievement.

Organization permitted us to do that war-time work. Without some such central organization agency the Nation could not have accomplished the huge tasks it did in the construction field. We secured efficiency by organization. Efficiency is as desirable in peace time as it is in war-time. It means the elimination of duplication, the elimination of waste and the making the expenditure of every ounce of energy and of every cent's worth of material produce its full measure of return. The progress and wealth of the Nation are largely, if not entirely, due to efficiency in the basic industries.

This is the day of organization. Everything tends in that direction. There was a time when every large organization was under suspicion because of its power for evil. Today most countries, both by laws and executive action are encouraging such combinations because of their power for good. All people are directing their attention to the good that may be accomplished by organization. The Construction Industry has been the last important one to undertake to organize in a really effective manner.

Competition is necessary, but competition which expends useful energy with no commensurate good must be eliminated. In the construction industry there is too much competition in matters where such competition only amounts to duplication and waste for which the public must pay. There is ample room for the play of competition in the factors of service—in skill, economies of production, integrity and dependability.

In the matter of contracts alone will be found ample reason for the existence of this Association. If you can persuade the industry as a whole to adopt a form of contract which would be standard, you will have done immeasurable good to the Country. A basic uniform contract, which shall gradually receive judicial interpretation which will be recognized in all Courts in all States, will eliminate untold waste in the countless litigations which grow out of mere variety in form of construction contracts.

Progress in legislation dealing with the Construction Industry requires combined effort to accomplish. Joint effort not only irons out the differences in the industry itself, but produces the desired effect upon those whom we call to legislate for us. Construction Contractors are responsible for the expenditure of such enormous sums of money—nearly four billion dollars a year—that they should be organized in a way to deal most beneficially and effectively with the collective groups from whom they must buy the labor and the materials for their work.

Public opinion is one of the largest assets in any industry. To direct and properly influence public opinion is particularly the function of organized endeavor in such industry. It is not half as important that Contractors as such should make large profits for themselves as it is that the great construction industry should be right—that is that it should be conducted on the highest principles of fair dealing and efficiency, and that the world should be made to know that construction contractors are not just gamblers on how much a piece of construction work will cost, but are producers—are industrial workers who are rendering to the public the highest class of skilled professional and managerial service.

The A. G. C. has undertaken a work which I venture to prophesy will have as fine a result in the commercial life of our land as any Association of the best in any line of endeavor has ever set as its goal.

Building News Section

APARTMENT HOUSES

Plans Being Prepared.
APARTMENTS Cost, $80,000
LOS ANGELES, Cal. SE Yucca St. and Cahuenga Ave.
Two-story brick store and apartment building 115x171 (6 stores, market and 40 apartments).
Owner—Louis C. Wallach.
Architect—Frank F. Raschc, 5751 Hollywood Blvd., Los Angeles.

Completing Plans,
APARTMENTS Cost, $——
LONG BEACH, Cal.
Eleven-story and basement class A apartment house 46x144 (118 apartments)
Owner—Omar Hubbard.
Architect—John and Donald Parkinson, Title Insurance Bldg., Los Angeles.

Plans Being Prepared.
ALTERATIONS Cost, $8,000
SAN FRANCISCO. Presidio Heights.
Alter frame flat building into apartments.
Owner—Withheld.
Architect—E. J. Osborne, Balboa Bldg., San Francisco.

Working Drawings Being Prepared.
APARTMENTS Cost, $28,000
SAN FRANCISCO. Twentieth Avenue and Cabrillo Street.
Three-story frame apartment building 6 5-room and sun porch apts. (Garden court entrance).
Owner—Mr. Henri Bercut.
Architect—Edw. J. Osborne, 821 Balboa Bldg., San Francisco.

Figures to be Taken in About a Week
APARTMENTS Cost, $45,000
SAN FRANCISCO. N Turk street near Leavenworth Street.
Four-story reinforced concrete apartment building (20 apts.)
Owner—Withheld.
Architects—Morrow & Garren. Chronicle Bldg., San Francisco.

Plans Completed.
APARTMENTS Cost, $40,000
SAN FRANCISCO. S Geary 68-9 W Leavenworth.
Five-story and basement concrete (25) apartments.
Owner—Chas. A. Johnson, 36 Steiner St., San Francisco.
Architect—Not given.

Contract Awarded.
APARTMENTS Cost, $27,000
SAN FRANCISCO. NE Lake and 27th Ave.
Three-story and basement frame (6) apartments.
Owner—Fred H. Helbush, 3962 Clay St., San Francisco.
Architect—None.
Contractor—J. F. Ball, 120 4th Ave., San Francisco.

Plans Completed.
APARTMENT Cost, $17,0000
OAKLAND, Alameda Co., Cal. SE Kingslen and Excelsior Ave.
Two-story frame 24-room apartments.
Owner—W. E. McChesney, 1315 San Luis Ave., Oakland.
Architect—Not given.

Plans Being Prepared.
APARTMENTS Cost, $350,000
FRESNO, Fresno Co., Cal. NE Stanislaus and N Streets.
Five-story and basement reinforced concrete apartments (12 on each floor) 150x100.
Owner — James P. Ryland and O. L. Everts.
Architect—Glass & Butner, Cory Bldg., Fresno.

Figures to be Taken Shortly.
APARTMENTS Cost, $80,000
BERKELEY, Alameda Co., Cal. Shattuck Ave. and Haste St.
Four-story reinforced concrete and frame store and apartment house building (26 2 and 3-room apts.)
Owner—Mrs. M. Meriwether.
Architects — Schirmer-Bugbee & Co., Thayer Bldg., Oakland.

Contract Awarded.
APARTMENT HOUSE Cost, $32,000
BERKELEY. W College 100 S Woolsey.
Three-story frame 36-room apartment house.
Owner—R. E. McMann, 3754 Ardley, Oakland.
Architect—Clay N. Burrell, First Savings Bank Bldg., Oakland.
Contractor—Sommarstrom Bros., 306 14th St., Oakland.

Contract Awarded.
APARTMENTS Cost, $15,000
SAN FRANCISCO. S Green 187-6 W Steiner.
Three-story and basement frame (15) apartments.
Owner—Dr. F. A. Gawthorne, 708 Phelan Bldg., San Francisco.
Architect—None.
Contractor—H. S. Meinberger, 5720 California St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $30,000
SAN FRANCISCO. NE Twenty-first St. and San Carlos Ave.
Three-story and basement frame and plaster apartments.
Owner—A. W. Congdon, 72 2nd St., San Francisco.
Architect — W. F. Gunnison, 1666 Golden Gate Ave., San Francisco.
Contractor—Joel Johnson, 180 Jessie St., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $45,000
SAN FRANCISCO. SW 23rd Ave. and Geary.
Three-story frame apartments (8, 4-room apartments and 5 stores).
Owner—Robt. Smith.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Plans Completed.
APARTMENTS Cost, $30,000
SAN FRANCISCO. S Washington 151 E Van Ness Ave.
Three-story and basement frame (11) apartments.
Owner—T. M. W. and Mary West.
Architect—Grace Jewett, 57 Post St., San Francisco.

Young man seeks financial interest in reliable firm, manufacturing, staple line, building material or contracting, capable superintendent or assistant—best of references.
Address Box EG—c/o Building and Engineering News.

To Be Done By Day's Labor.
APARTMENTS Cost, $10,000
OAKLAND. S 30th St. 343 W Telegraph Ave.
Two-story 16-room frame apartments.
Owner—C. B. Deuble, 421 Central Bank Bldg., Oakland.
Architect—Not Given.

Plans Ready For Figures.
ADDITION Cost, $18,000
SAN RAFAEL, Marin Co., Cal. 4th and B Sts.
One-story frame addition to one-story store bldg. for apartments (5, 3-room apts., plaster exterior).
Owner—J. Albert.
Architect—S. Heiman, 57 Post St., San Francisco.
Figures are being taken for a general contract.

Preliminary Plans Being Prepared.
APARTMENT HOUSE Cost, $35,000
STOCKTON, San Joaquin Co., Cal.
Three-story class C apartment house.
Owner—L. Jacobs.
Architect—Glenn Allen. Hotel Clark, Stockton.

Contract Awarded.
STORE & APARTMENT Cost, $20,000
SAN FRANCISCO. SW Geary and 2nd Ave.
All work except lining chimneys and electric fixtures for a two-story frame store and apartment building.
Owner—I. Epp, 3801 Geary St., San Francisco.
Architect—None.
Contractor—Emil Nelson, 4835 Geary St., San Francisco.

To Be Done By Day's Work.
APARTMENT HOUSE Cost, $60,000
SAN FRANCISCO. NE Geary and Hyde Streets.
Six-story and basement brick and steel apartment house (32 apartments).
Owner—M. A. Hunt, 150 7th St., San Francisco.
Plans by owner.
Superintendent — Wm. Helbing, 517 Hayes St., San Francisco.

To Be Done By Day's Labor and Sub-Contracts
APARTMENT Cost, $——
SAN FRANCISCO. N Jackson between Locust and Spruce.
Complete three-story frame and plaster apartment house (10, 3-room apartments and basement, garage), the frame is up and roof on.
Owner—Withheld.
Architect—D. J. Patterson, 46 Kearny St., San Francisco.
Mr. Patterson has arranged for the financing for the completion of this building and has changed the plans from five, 6-room apartments to 10, 3-room. Work will be started immediately. It will have a steam heating and hot water system, incinerators, receive-a-doors and many other modern conveniences.

Contract Awarded.
APARTMENT HOUSE Cost, $25,000
FRESNO, Fresno Co., Cal 2727 Merced Street.
Two-story frame and plaster apartment house (4, 3-room and 8, 2-room apartments).

Owner—Wm. H. McLaughlin.
Architect—Not given.
Contractor—Valley Construction Co., Fresno.

Figures To Be Taken End Of This Week.
STORE & APARTMENTS Cost, $25,000
SAN FRANCISCO. Mission District.
Three-story frame and plaster store and apartment house (16, 2 and 4-room apartments and 1 store).
Owner—Withheld.
Arch itect—Frank S. Holland, 1629 Folsom St., San Francisco.

To Be Done By Day's Work.
APARTMENTS Cost, $22,000
SAN FRANCISCO. S Union 125 E Van Ness Ave.
Three-story and basement frame (12) apartments.
Owner—Veyhle & Collins, 547 Brannan St., San Francisco.
Plans by owner.

Owner Taking Sub-Figures—To be Done by Day's Work.
APARTMENTS Cost, $15,000
SAN JOSE, Santa Clara Co., Cal. Market and Auzerais Streets (Columbia Hospital).
Alter three-story frame hospital into 14 three and four-room apts.
Owner—F. Liggerman.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Segregated Figures To Be Taken In Ten Days.
APARTMENTS, ETC. Cost, $30,000
STOCKTON. North El Dorado St.
Two-story brick apartment and store building (8, 3-room apartments and 2 stores).
Owner—M. W. Held.
Architect—Glenn Allen, Hotel Clark, Stockton.

BANKS

Plans Will be Ready for Figures in About a Month.
BANK & OFFICE BLDG. Cost, $——
OAKLAND, Alameda Co., Cal. No. 1212 Broadwy Corner Twelfth Street.
Sixteen-story Class A bank and office building (addition adjoining present eight-story structure).
Owner—Oakland Bank of Savings.
Architects — Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

BONDS

COLUSA, Colusa Co., Cal.—Petitions are being circulated asking supervisors to call election to vote bonds of $800,000 to finance construction of a system of roads.

WHITTIER, Cal.—The city trustees have decided to submit a $145,000 bond issue for extensions to city sewer system.

Mt. Diablo, Contra Costa Co., Cal.—Bonds of $125,000 voted in Mt. Diablo Union High School District to finance additions and improvements to present school. W. H. Weeks, 369 Pine St., San Francisco, is the architect.

BAKERSFIELD, Kern Co., Cal.—Feb. 21 date set to vote bonds of $225,000 for school improvements. Chas. E. Teach, superintendent of schools.

IRVINGTON, Alameda Co., Cal.—Feb. 21 is date set to vote bonds of $51,000 to purchase site and erect new grammar school

MODESTO, Stanislaus Co., Cal.—Until Feb. 14, bids will be received by County Supervisors for purchase of $80,000 bond issue of Oakdale Union High School District; proceeds of sale to finance construction of a two-story reinforced concrete high school, plans for which have been prepared by Architect W. H. Weeks, 369 Pine St., San Francisco.

MONTEREY, Monterey Co., Cal.—Election will be held in Pajaro School District Feb. 24, to decide question of issuing bonds of $42,000 to finance school improvements. Trustees of district are: Thos. S. Hudson, Geo. B. Kennedy and A. T. Dresser.

SELMA, Fresno Co., Cal.—Bonds of $250,000 have been voted in the Selma Union High School District to finance construction of a group of high school buildings; new science hall, improving present buildings. The science building will cost approximately $214,000. Plans are being prepared by architect Norman F. Marsh, Broadway Cenetral Bldg., Los Angeles.

AVALON, Catalina Island—The $158,000 bond issue for both fresh and salt water systems carried at a special election.

AUBURN, Placer Co., Cal.—Trustees will call election in April to decide on purchase of privately owned water system of Pacific Gas and Electric Co. City will bond for $60,000 to finance purchase.

MERIDIAN, Sutter Co., Cal.—Bonds of $24,500 have been voted to finance construction of a new grammar school.

CARSON CITY, Nevada — Preparations being made to call election to vote bonds of $17,500, this sum to be added to $24,000 insurance money, to finance reconstruction of school destroyed by fire.

SACRAMENTO, Cal.—Election will be held Feb. 25 in Franklin Union School District to vote bonds of $10,000 to finance construction of a new school. Trustees of the district are: Adolph Kloss, W. F. H. Mohr, Harry Hack, J. N. Nicolaus and L. B. Johnston.

CHURCHES

Plans Being Figured.
ALTERATIONS Cost, $7,500
HAYWARD, Alameda Co., Cal.
Alterations to church.
Owner—First Methodist Church of Hayward.
Architect—W. J. Wythe, Central Bank Bldg., Oakland.

Completing Plans—Figures To Be Called For Shortly.
CHURCH Cost, $50,000
VALLEJO, Solano Co., Sonoma and Virginia Streets.
Fireproof church.
Owner—First Methodist Church of Vallejo.
Architect—W. J. Wythe, Central Bank Bldg., Oakland.

To Be Done By Day's Labor—Materials Being Purchased By Owner.
CREMATORY Cost, $——
BERKELEY, Alameda Co., Cal. Sunset View Cemetery.
One-story hollow tile crematory.
Owner—Berkeley Crematory Co., Geo. B. Baxter, manager, Dalziel Bldg., Oakland.
Architect—W. H. Ratcliff Jr., 1st Nat'l Bank Bldg., Berkeley.

Figures To Be Taken Shortly
CHURCH Cost, $30,000
STOCKTON, Clay and San Joaquin.
Brick church (artificial stone trimmings and slate roof).
Owner—Clay Street Methodist Church.
Architect—Wright & Satterlee, Bank of Italy, Stockton.
Work will be started about March 1st.

Contract Awarded
CHURCH Cost, $——
LONG BEACH. Los Angeles Co., Cal. Obispo Ave. and Eliot St.
Two-story brick church, 100x135.
Owner—Immanuel Baptist Church.
Architect—W. Horace Austin, 222 1st National Bank Bldg., Long Beach.
Contractor—J. D. Sherer, 1865 W. Anaheim Road, Long Beach.
Electric Wiring to Acme Elec. Co.
Excavating to Graham Bros.

DAVIS, Yolo Co., Cal.—Community Church of Davis proposes to erect $50,000 community hall. Rev. Nathan Fisk is in charge of church.

PORTERVILLE, Tulare Co., Cal.—St. Anne's Catholic Church, Rev. M. J. Stack, pastor, proposes to purchase five acres of land in the vicinity of Olive street, on which it is proposed to erect modern church and school. Buildings costing $75,000 are contemplated.

FACTORIES & WAREHOUSES

Contract Awarded.
FACTORY Cost, $20,000
OAKLAND.
One-story class C factory and warehouse.
Owner—Waterfront Sash and Door Co.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—C. M. McGregor, 410 13th St., Oakland.

Steel Contract Awarded Segregated Figures To Be Taken Within a Week.
FACTORY BLDG. Cost, $50,000
SAN FRANCISCO. NW Mission and 13th Sts.
Two-story steel and brick factory bldg.
Owner—Pacific Embroidery Co.
Architect—Albert Burgen, 110 Sutter St., San Francisco.
The steel contract has been awarded to Dyer Bros. Figures will be taken within a week for the balance of the work.

Sub-figures To Be Taken In About a Week.
BRICK FACTORY Cost, $15,000
SAN FRANCISCO. SE Harrison and 21st Streets.
One-story brick factory.
Owner—York Realty Co., 40 Montgomery St., San Francisco.
Architect—W. L. Schmolle, 40 Montgomery St., San Francisco.

Contract Awarded.
STORAGE HOUSE Cost, $55,386
BERKELEY, Alameda Co., Cal. NE Shattuck Avenue and Ward Street.
Four-story Class B reinforced concrete storage house (except elevator and vault door).
Owner—Students' Express & Transfer Company.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Contract Awarded.
WAREHOUSES Cost, — -
SANTA ROSA, Sonoma Co., Cal. Third Street bet A and B Sts.
Two one-story reinforced concrete warehouses, 80x100 and 40x80 respectively.
Owner—M. Prince, Santa Rosa.
Architect—None.
Contractor—A. M. Hildebrandt, Santa Rosa.

Plans Being Figured.
WAREHOUSE Cost, $30,000
SAN FRANCISCO. W Capp St. E 17th.
Two-story brick warehouse (100x105).
Owner—Lachman Bros.
Architect—S. Heiman, 57 Post St., San Francisco.

Plans Being Prepared.
BOILER ROOM Cost, $4,000
OAKLAND. 730 29th St.
One-story brick and steel boiler room building.
Owner—Oakland Laundry Co.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.

Contract Awarded.
PLUMBING SHOP Cost, $12,000
SAN FRANCISCO. S Howard 225 W 5th.
One-story brick plumbing shop building.
Owner—Jas. H. Pinkerton Co., 180 Jessie St., San Francisco.
Architect—None.
Contractor—Geo. Wagner, 251 Kearny St., San Francisco.

Contract Awarded.
BUILDING Cost, $18,000
SAN FRANCISCO. 23rd and Minnesota Streets.
One-story brick shipping department building for factory.
Owner—Fleischmann Co. of California, 941 Mission St., San Francisco.
Architect—W. G. Merchant, 806 Masonic Ave., San Francisco.
Contractor—A. W. Hansen, 180 Jessie St., San Francisco.

Plans Completed—Figures To Be Taken Shortly
WAREHOUSE Cost, $40,000
STOCKTON, San Joaquin Co., Cal. 630 North California.
Two-story addition to present four-story reinforced concrete warehouse.
Owner—H. S. Dawson.
Architect—Glenn Allen, Hotel Clark, Stockton.

Contract Awarded.
FILM LABORATORY Cost $30,882
SAN FRANCISCO. N Turk Street W Leavenworth Street.
Two-story reinforced concrete film laboratory building.
Owner—Fox Film Corporation.
Architect — Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Figures to be Taken in About Two Weeks.
WAREHOUSE Cost, $——
LOS ANGELES, Cal. Santa Monica Blvd. and Cahuenga Avenue.
Eight-story reinforced concrete Class A warehouse, 60x100.
Owner — Premier Fireproof Storage Company.
Engineer—E. T. Flaherty, 435 I. W. Hellman Bldg., Los Angeles .

LOS ANGELES, Cal. — California Dressed Beef Co., 3820 Santa Fe Ave., Los Angeles, has had plans prepared and is taking bids for a packing plant addition at 38th St. and Santa Fe Ave. in Los Angeles. The building will be 185x350 ft., full basement and one, two and three stories in height; reinforced concrete frame, floors and roof, hollow tile filler walls, metal skylights, steel sash, three elevators.

BERKELEY, Alameda Co., Cal.—The Council appropriates $4,000 to repair Municipal wharf and construct curtain wall. E. M. Hann, City Clerk.

SANTA ROSA, Sonoma Co., Cal.—Pioneer Laundry Co., Fourth and Davis Sts., will construct 40x128 ft. addition to plant. Machinery for adition is being purchased. D. P. Mack is manager.

FIREHOUSES AND JAILS

Working Drawings Being Prepared—Bids to be Called for in About One Month.
DRILL TOWER Cost, $40,000
SAN FRANCISCO. Foot of Eleventh Street.
Seven-story reinforced concrete drill tower for Fire Department.
Owner—City and County of San Francisco.
Architect—Frederick H. Meyer, Bankers' Invst. Bldg., San Francisco.

SANTA ANA, Orange Co., Cal.—The Board of Supervisors of Orange County rejected all bids for erecting a new county jail building at Santa Ana and the project has been indefinitely postponed on account of damage to citrus crop of county. John Parkinson and Donald B. Parkinson, 420 Title Insurance Bldg., Los Angeles, are the architects.

FLATS

Sub-figures Being Taken.
FLATS Cost, $12,000
SAN FRANCISCO. 12th Ave. and Geary
Six 2-story frame and plaster flats buildings (2, 5-room and sunporch flats each).
Owner—A. Lewis.
Architect—Morrow & Garren, Chronicle Bldg., San Francisco.
Sub-figures are being taken for two of the buildings.

Contract Awarded.
FLAT BLDG. Cost, $11,500
SAN FRANCISCO. Balboa St. west of Fifteenth Avenue.
Two-story frame flat building.
Owner—Herold Schier.
Architect—Edw. J. Osborne, 821 Balboa Bldg., San Francisco.
Contractor—H. J. Hansen, 180 Jessie St., San Francisco.

To Be Done By Day's Work.
FLATS Cost, $14,000
SAN FRANCISCO. SE Balboa St. and 7th Ave.
Two-story and basement frame (4) flats.
Owner—Orrin Knox, 624 7th Ave., San Francisco.
Architect—None.

To Be Done By Day's Work.
FLATS Cost, $12,000
SAN FRANCISCO. SE California St. and 26th Ave.
Two-story and basement frame (4) flats.
Owner—Anderson Bros. & Selliman, 240 Dolores St., San Francisco.
Architect—None.

Owner Taking Figures.
FLATS Cost, $10,000
SAN FRANCICO. W 18th Ave. 225 N Cabrillo.
Two-story and basement frame (2) flats.
Owners—A. Cohen and Sid. Spearin, 553 Bryant St., San Francisco.
Architect—W. L. Schmolle, 40 Montgomery St., San Francisco.

GARAGES

Plans Being Figured—Bids Close Feb. 18, 1922.
GARAGE Cost, $——
EUREKA, Humboldt Co., Cal. Old courthouse site, 2nd street.
Corrugated iron and frame garage.
Owner—County of Humboldt, Fred M. Kay, Clerk.
Architect—Frank Georgeson, 4th and E Sts., Eureka.
Plans may be had from office of clerk.

Contract Awarded.
GARAGE Cost, $25,000
SANTA CRUZ, Santa Cruz Co., Cal. Front St.
Concrete and steel garage, 14,000 sq. ft. floor space.
Owner—Andy Balich.
Architect—Not given.
Contractor—L. H. Bailey, Santa Cruz.

Contract Awarded.
GARAGE, ETC. Cost, $90,000
PORTLAND, Ore. SE Fourth and Pine Streets.
Five-story reinforced concrete auto repair and storage rooms, 100x100.
Owner—Claude Starr.
Architects—Sutton & Whitney, Lewis Bldg., Portland, Ore.
Contractor—A. Guthrie & Co., Sherlock Bldg., Portland, Ore.

Plans Being Figured.
GARAGE Cost, $16,000
SAN FRANCISCO. E Fillmore 30 S Page.
One-story brick garage.
Owner—Aphra West, San Rafael.
Architect—F. S. Holland, 1629 Folsom St., San Francisco.
Figures are being taken for a general contract.

Working Drawings Being Prepared
GARAGE Cost, $45,000
STOCKTON, San Joaquin Co., Cal. Oak between California and American.
One-story fireproof garage.
Owner—H. S. Dawson.
Architect—Glenn Allen, Hotel Clark, Stockton.

Figures to be Taken in Two Weeks.
GARAGE Cost, $35,000
SAN JOSE, Santa Clara Co., Cal. River and Santa Clara Streets.
Two-story brick commercial garage.
Owner—Norman Kooser.
Lesee—Hayes & Canelo.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Plans Completed.
GARAGE Cost, $10,000
OAKLAND. W College Ave. 257 N Hudson.
One-story brick and tile garage.
Owner—Eichler Bros., 466 Crescent St., Oakland.
Architect—None.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at the end of each paragraph:

Sched. 9131, f. o. b. works, 6 experimental Diesel engines, about 15 B. H. P. per cylinder; alternate bids are requested on 2 cylinder, 4 cylinder and 6 cylinder engines. April 4.

Sched. 9337, for various navy yards, miscellaneous hardware and tools, including 99 ship augers, wood boring bits, 50 drill chucks, 525 adjustable hacksaw frames, 247 machinists' hammers, 15 electric soldering irons, 900 shoe knives, 542 side cutting and combination pliers, 1,166 folding carpenters' rules, 6,600 do. 36 coal scoops, 1,137 common screwdrivers, 6,840 do. 564 ratchet screwdrivers, 64 squares, 180 squares with protractor, 47 steel measuring tapes and 764 do. Feb. 14.

Sched. 9367, for various navy yards,

1,000 pounds ultra marine blue in oil, 3,000 pounds lump chalk, 1,440 pieces do. 10,600 pounds lampblack in oil, 1,000 pounds Indian red in oil, 500 pounds raw sienna in oil, 2,000 pounds artificial dry vermillion and 10,000 pounds whiting. Feb. 14.

Sched. 9370, for various navy yards, 39 clothes lockers, 1 metal safe locker and 30 do. Feb. 14.

Sched. 9384, for delivery at any place in the United States, automobile starting and lighting batteries for Cadillac, Dodge, Ford, Franklin, Haynes, Hudson, Hupmobile, Marmon, Nash, National, Oldsmobile, Packard, Peerless, Studebaker and Winton automobiles. Feb. 21.

Sched. 9385, for Mare Island, 2,500 pounds steel wool. Feb. 21.

Sched. 9386, for Mare Island, miscellaneous hardware. Feb. 21.

Sched. 9387, for Mare Island, nuts and washers. Feb. 21..

Sched. 9391, for eastern and western navy yards, 301,900 gallons kerosene mineral oil. Feb. 14.

Sched. 9392, for various navy yards, non-scatterable glass. Feb. 21.

Sched. 9393, for Mare Island, 335 gallons insulating varnish. Feb. 21.

Sched. 9394, for Mare Island, 10,200 pounds steel channels. Feb. 21.

Sched. 9395, for Mare Island, 5,250 steam tight globes. Feb. 21.

Sched. 9396, for eastern and western yards, fuses and fuse elements. Feb. 21.

Sched. 9402, for Puget Sound, 200 scrubbing brushes and 1,000 daubers. Feb. 21.

Sched. 9403, for Puget Sound, 5,600 feet cotton fire hose. Feb. 21.

Sched. 9409, for eastern and western yards, miscellaneous oxygen, hydrogen and acetylene hose. Feb. 21.

Sched. 9410, for Mare Island, 1,000 fire extinguishers. Feb. 21.

Plans Being Figured—Bids Close Mar. 6, 1922, 3 P. M.
POST OFFICE Cost, $——
GLOBE, Arizona.
Post Office.
Owner—U. S. Government.
Architect—Owner.
See call for bids under official proposal column.

Bids Opened.
ALTERATIONS Cost, $——
SACRAMENTO, Cal. Post Office building.
Alteration to northeast corner of building.
Owner—United States Government.
Architect—None.
Wm. Murcell, Sacramento, $7,284; 40 days.
John M. E. Morrill, $8,444; 90 days.
Pearce Bros., Inc., $9,990; 90 days.

SAN FRANCISCO—Until Feb. 10, 10 A. M., bids under Circular 22-47, bids will be received by Quartermaster Supply Officer, Fort Mason, for furnishing tinners' swages; paper; Bristol cardboard; printers' ink; rock salt; copper wire; lubricating oil; incandescent lamps.

BENICIA, Solano Co., Cal.—Until Feb. 13, 11.45 A. M., bids will be received by Commanding Officer, Benicia Arsenal, under Supply No. 46, for furnishing wire nails, hexagonal nut; steel drill rods; machine bolts; Tobin or eq. round bronze; cold rolled steel; ship augers; files; brass sheets; hacksaw blades; Yale and Towne padlocks.

HALLS AND SOCIETY BUILDINGS

Low Bidder.
CLUB BLDG Cost, $15,624
OAKLAND, Alameda Co., Cal. Monteeito near Grand Avenue.
One-story frame and plaster club building.
Owner—Oakland Club.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Low Bidder—Alfred Olson, Everson Bldg., Oakland.

Contract Awarded.
CLUBHOUSE Cost, $7,300
CLOVIS, Fresno Co., Cal. 4th and Woodworth Sts.
Brick clubhouse 56x40.
Owner—Clovis Post—American Legion.
Architect—Not given.
Contractor—Walter Jarvis, Clovis.

Plans Completed.
LODGE BLDG. Cost, $——
BAKERSFIELD, Kern Co., Cal. Baker and Lake Streets.
Three-story stores and lodge rooms.
Owner—Caledonia Building Association Dr. A. I. Fraser, President.
Architect—Eugene K. Martin, Arlington Bldg., Bakersfield.

Figures Being Taken From Selected List of Contractors.
LODGE BUILDING Cost, $300,000
BAKERSFIELD, Kern Co., Cal.
Five-story Class A lodge building.
Owner—Bakersfield Lodge of Elks.
Architect—Meyer & Johnson, Bankers' Investment Bldg., San Francisco.
Segregated figures are being taken for a general contract, steel work, heating, electrical work and elevators.

SAN JOSE, Santa Clara Co., Cal.—The Catholic Woman's Center proposes to erect a woman's center in this city. In additions to rest rooms, dining halls and gymnasium the structure will provide 40 or more sleeping apartments.

WOODLAND, Yolo Co., Cal.—Woodland Lodge of Elks appoints committee to secure estimates of cost, etc., for a new lodge hall. It is proposed to erect a structure with stores on the ground floor and lodge rooms and offices on upper floors.

HOSPITALS

Completing Plans.
HOSPITAL Cost, $350,000
HONOLULU, T. H.
Four-story reinforced concrete hospital.
Owner—Queen's Hospital Association (Dr. R. G. Broderick).
Architect—C. W. Dickey, Everson Bldg., Oakland.
Plans will be forwarded to Honolulu in about two weeks to be figured by the Island contractors.

Contracts to be Awarded.
HOSPITAL Cost, $——
OAKLAND, Alameda Co., Cal. E-11th Street and First Avenue.
Two-story and basement frame and concrete hospital building.
Owner—Alameda County Public Health Center.
Architect—C. W. Dickey, 359 12th St., Oakland.
Slight changes are being made to the plans and contracts will be awarded to the lowest bidders as follows:
General Contract—W. G. Thornalley, 351 12th St., Oakland, original bid, $43,100.
Plumbing—T. R. Catton, 2327 Prince St., Berkeley, original bid, $5659.
Heating—Scott Co., Oakland, original bid, $4592.
Electrical Work—Kings Elec. Co., 351 12th St., Oakland, original bid, $4987.
Plastering—Geo. Dixon, 451 Apgar St., Oakland, original bid, $6987.
Steel Lockers—Fay H. Otis, original bid, $181.46.

Contracts Awarded.
ISOLATION WARD Cost, $4,690
HANFORD, Kings Co., Cal. County hospital grounds.
Brick isolation ward.
Owner—County of Kings.
Architect—Not stated.
Contractor—E. G. Washburn, Hanford.
Other bidders were, (a) tile; (b) brick:

J. F. Brown	(a) $5700;	(b) $5497
E. G. Noble	(a) 5500;	(b) 5280
Carl Nelson	(a) 5589;	(b) 5349
Noble & Toothacre	(a) 5247;	(b) 5097
Nate Lovelace	(a) 5546;	(b) 5334
Anton Johnson	(a) 5549;	(b) 5190
Davis & Crumley	(a) 5200;	(b) 5000

Plumbing and heating contracts let to Horlock-Clow Co. O. F. Abbott Electric Co. awarded electric work.

SAN FRANCISCO—Supervisors of San Francisco and Alameda counties reach tentative agreement, whereby former will construct a $100,000 addition to the Alameda county Arroyo sanatorium and pay $51,000 a year for the care of fifty tubercular patients.

HOTELS

Commissioned To Prepare Plans
HOTEL Cost, $——
PALO ALTO, Santa Clara Co., Cal. University grounds.
Fireproof students' hotel.
Owner—Stanford Hotel Corp.
Architect—Bakewell & Brown, 251 Kearny St., San Francisco.

Bids Wanted For Heating System.
ALTERATIONS Cost, $10,000
SAUSALITO, Marin Co., Cal. Water Street.
Alter two-story hotel and store (new steam heating system, interior refinishing, etc.)
Owner—Sausalito Hotel.
Architects — O'Brien Bros., 240 Montgomery St., San Francisco.
Figures are now being taken for the heating system. The balance of the work will be done by day's labor.

Preliminary Plans Being Prepared.
ALTERATIONS Cost, $15,000
STOCKTON, San Joaquin Co., Cal. Center Street.
Alter three-story store and lodging house building.
Owner—Withheld.
Architect—Peter L. Sala, Wilhoit Bldg., Stockton.

Plans Being Prepared.
STORE AND HOTEL Cost, $65,000
LODI, San Joaquin Co., Cal.
Three-story and basement brick store and hotel building (68 rooms and 6 stores).
Owner—Withheld.
Designer—T. Kurahashi, 510 Battery St., San Francisco.

POWER PLANTS

RIVERSIDE, Cal.—The Southern Sierras Power Co. is clearing the ground and preparing to start work on the power plant in Mill creek canyon above Forest Home. Heavy construction will be started in the spring as soon as the weather settles.

PUBLIC BUILDINGS

FRESNO, Cal.—Architects Coates & Traver, Rowell Bldg., have submitted plans to make a beginning on the swimming tanks at Roeding Park, and an estimate of cost on that beginning was $32,000. The plans call for two roofless tanks, each 50 x 150, to be in the new part addition. Depth of tanks 3.6 feet at shallow end and 9.6 feet

in the deeper section, concrete stairs to lead into shallow end of pool and two steel ladders for the expert swimmer at the other end. Tanks will be separated by 38-foot wide passage way, and deep ends of tanks will be head to head. The tanks will be of concrete with facings of the same material, tile curbing at the edge of tanks. The floors will be of white cement.

SAN FRANCISCO.—Until Feb. 6, 3 P. M., bids will be received by J. S. Dunnigan, Clerk of the Board of Supervisors, 235 City Hall, for furnishing cement required during term beginning with the date of award of contract and June 30, 1922. Proposal blanks on application.

OAKLAND, Cal.—The City Council of Oakland has taken the first steps toward the ultimate building of a mesuem to house the Snow African game collection. An ordinance appropriating $22,000, first payment of $100,000 on the Kendall property at Nineteenth, Alice and the lake.

BAKERSFIELD, Kern Co., Cal.—C. L. Biddison, Bakersfield, $1,497 awarded contract by supervisors to construct one-story frame addition to detention home. Only other bidder: Wm. Eissler, Bakersfield, $1,575. Chas. Biggar, First National Bank Bldg., Bakersfield, architect.

FRESNO, Fresno Co., Cal.—Louis Cereghino & Sons, 180 Jessie St., San Francisco, at $21,638 submits low bid to city commissioners for constructing one-story concrete central fire alarm station. Other bidders: Anton Johnson, Kingsburg, $23,802; Frederickson & Shannon, Cory Bldg., Fresno, $23,990. Bids taken under advisement. Plans prepared by Architects Coates & Traver, Rowell Bldg., Fresno.

RESIDENCES

Plans Being Prepared.
RESIDENCES Cost, $28,000 to $30,000 each.
SAN FRANCISCO. Jackson and Scott Streets.
Seven 2-story frame and plaster residences.
Owner—H. O. Trowbridge and W. F. Perkins.
Architect—H. H. Gutterson, 278 Post St., San Francisco.

Work Started.
RESIDENCE Cost, $20,000
PIEDMONT. Sea View and Lincoln.
Three-story frame residence.
Owner—Dr. W. A. Gregory, 11 Eton Court, Piedmont.
Architect—F. H. Slocombe, First Savings Bank Bldg., Oakland.
Contractor—H. M. Barnett, 691 Wesley Ave., Oakland.

Plans Being Prepared.
RESIDENCE Cost, $30,000
SAN FRANCISCO. St. Francis Wood.
Two-story and basement frame and stucco residence and separate garage (9 room and 3 bathrooms).
Owner — Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.
Architect—Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.

Plans To Be Prepared—To Be Done By Day's Labor.
BUNGALOWS Cost, $6,000 each
OAKLAND, Cal.
Three 1-story 6-room frame and plaster bungalows.
Owner—Wm. Appleton.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.

Contract Awarded.
RESIDENCE Cost, $16,980
PIEDMONT, Alameda Co., Cal. Crocker Tract Lot 125.
Two-story frame residence.
Owner—Louis Scheeline, 406 14th St., Oakland.
Architect—Claude B. Barton, 364 Staten Ave., Oakland.
Contractor—H. P. Nelson, 1947 Blake St., Berkeley.

Ready For Figures Next Week.
RESIDENCE Cost, $17,000
BERKELEY, Alameda Co., Cal. Claremont District.
Two-story frame and plaster residence (8 rooms).
Owner—H. G. Peake.
Architect—W. H. Ratcliff Jr., 1st Nat'l Bank Bldg., Berkeley.
Figures will be taken first of next week for a general contract.

Contract Awarded.
RESIDENCE Cost, $10,400
OAKLAND.
Two-story frame residence.
Owner—Brainerd T. and Maude E. Mohney.
Architect—M. I. Diggs, Easton Bldg., Oakland.
Contractor—M. A. Rose, 5801 Dover St., Oakland.

Contracts Awarded—Sub-figures Being Taken.
RESIDENCE Cost, $32,000
PIEDMONT, Alameda Co., Cal.
Two-story and basement stucco 12-room residence and separate garage (court at rear with tile roof, mill work, rough interior and exterior plaster.
Owner—Chas. C. Keeney.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.
The following contracts have been awarded:
Carpenter Work, Etc. to A. Cederborg, 1447 E-37th St., Oakland, $15,300.
Plumbing to Carl T. Doell, 467 21st St., Oakland, $2,297.
Electric Work to B. C. Stanford, $647.
Brick Work to Martin Back, 3825 Allendale, Oakland, $840.
Tile Roof to Gladding-McBean Co., Crocker Bldg., San Francisco, $1215
Figures are being taken on the balance of the work.

Segregated Figures Being Taken.
RESIDENCE Cost, $22,000
PIEDMONT, Alameda Co., Cal.
Two-story and basement frame and plaster residence (12 rooms and separate garage) French Rural architecture.
Owner—G. T. Henshaw.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.

Preliminary Plans Being Prepared.
RESIDENCE Cost, $10,000
STOCKTON, San Joaquin Co., Cal.
Two-story brick residence.
Owner—H. L. Pabst.
Architect—Glenn Allen, Hotel Clark, Stockton.

Lewis Roofing and Asbestos Works

180 JESSIE ST. S. F.
Phone Sutter 6700
Branch—2022 University Ave., Berkeley—Phone Berk. 4360
Roof Paints—Roofing Repairs
Shingle Metal Gravel
Asbestos and Magnesia Steam Pipe and Boiler Covering

Working Drawings Being Prepared.
RESIDENCE Cost, $35,000
STOCKTON, San Joaquin Co., Cal. Victory Park.
Two-story brick residence.
Owner—Withheld.
Architect—Glenn Allen, Hotel Clark, Stockton.

Preliminary Plans Being Prepared.
RESIDENCE Cost, $12,000
STOCKTON, San Joaquin Co., Cal.
One and one-half story class C residence.
Owner—Withheld.
Architect—Peter L. Sala, Wilhoit Bldg., Stockton.

Preliminary Plans Being Prepared.
RESIDENCE Cost, $10,000
STOCKTON, San Joaquin Co., Cal. West Stockton.
Residence.
Owner—Withheld.
Architect—Louis S. Stone, Belding Bldg., Stockton.

Contract Awarded.
RESIDENCE Cost, $17,950
SAN JOSE, Santa Clara Co., Cal. The Alameder and Hester St.
Two-story and basement frame residence and garage.
Owner—Warren Pomeroy.
Architect—Chas. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—J. E. Perkins, 1652 East Santa Clara St., San Jose.

Plans to be Re-Figured.
RESIDENCE Cost, $——
SAN JOSE, Santa Clara Co., Cal. The Alameda and Ashbury Street.
Two-story frame and plaster 9-room residence.
Owner—P. Boomer.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Bids were opened about a week ago and L. I. Kelley submitted the lowest bid at approximately $18,000, but withdrew his bid. Plans will be re-figured shortly.

Plans Being Figured.
RESIDENCE Cost, $30,000
SAN FRANCISCO. Sea Cliff.
Two-story frame and stucco residence (10 rooms and a garage).
Owner—Mrs. L. Martin.
Architect—M. V. Politeo, 1st National Bank Bldg., San Francisco.

Contract Awarded.
DWELLINGS Cost, $3000 ea. ($18,000)
SACRAMENTO. Various sections of city.
Six 5-room frame dwellings.
Owner—Wm. C. Hevener, Peoples Bank Bldg., Sacramento.
Architect — Frederick S. Harrison, Peoples Bank Bldg., Sacramento.
Contractor—A. W. Norris, Peoples Bk. Bldg., Sacramento.
Concrete foundation, cedar shingle roof; stucco and rustic exterior; Standard plumbing fixtures.

Figures To Be Taken Next Week.
RESIDENCE Cost, $15,000
SAN FRANCISCO. St. Francis Wood.
Two-story frame and plaster (9 rooms and 2 bathrooms) residence and separate garage with servaants' quarters.
Owner—Paul K. Judson.
Architect—H. H. Gutterson, 278 Post St., San Francisco.

SCHOOLS

Working Drawings Being Prepared.
SCHOOL Cost approximately, $300,000
SAN FRANCISCO. Pacific Heights school site on N Jackson between Webster and Fillmore.

Four-story reinforced concrete grammar school.
Owner—City and County of San Francisco.
Architect—John Reid, Jr., First National Bank Bldg., San Francisco.
Bids will be called for about the end of March.

Completing Plans—Figures To Be Taken in March.
SCHOOL Cost, $400,000
SAN FRANCISCO. 22nd and Valencia Sts. (Horace Mann School).
Two-story reinforced concrete school building.
Owner—City and County of San Francisco.
Architect—John Reid, Jr., First National Bank Bldg., San Francisco.

Preliminary Plans Being Prepared.
ALTERATIONS Cost, $——
SAN FRANCISCO. N Greenwich between Webster and Fillmore.
Alterations and additions to school (Yerba Buena School).
Owner—City and County of San Francisco.
Architect—John Reid, Jr., First National Bank Bldg., San Francisco.

Plans Being Figured—Bids Close Feb. 25, 1922, 7.30 P. M.
SCHOOL Cost, $——
SNOMA, Sonoma Co., Cal.
Two-story reinforced concrete high school building 170x145.
Owner—Sonoma High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Figures will be taken for a general contract except the heating and ventilating, and electric wiring. Plans may be obtained from the architect.

Plans Being Figured—Bids Close Feb. 27, 3 P. M.
SCHOOL Cost, $275,000
OAKLAND, Cal. Galindo St. and 35th Ave.
Alexander Hamilton School.
Owner—Oakland School District and Oakland High School District, N. W. Cook, Acting Secretary Board of Education.
Architect—Not given.
See call for bids under official proposal section in this issue.

Plans Being Figured—Bids Close Feb. 16, 1922, 3:30 P. M.
SCHOOL BLDGS. Cost, $225,000
AZUSA, Los Angeles Co., Cal. Foothill Blvd. and Ben Lomond Ave. metb. Azusa and Glendora.
Group of reinforced concrete high school buildings.
Owner—Citrus Union High School District.
Architect—John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles.
Segregated figures are being taken on the general contract, plumbing, painting, heating, electric wiring and program clocks.

Plans Being Prepared.
SCHOOLS Cost, $300,000
NAPA, Napa Co., Cal.
Three fireproof high school buildings (main building, manual training, and domestic science buildings).
Owner—Napa Union High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

Figures To Be Called For The End Of February.
ADDITION Cost, $65,000
TRACY, San Joaquin Co., Cal
One-story brick addition to school (6 rooms, assemby hall, manual training, domestic science and art room).
Owner—Tracy School District.
Owner—Wright & Satterlee, Bank of Italy Bldg., Stockton.

Plans Approved—Figures to be Called for in About a Week
SCHOOL Cost, $480,000
BURLINGAME, San Mateo Co., Cal.
Two-story reinforced concrete high school buildings.
Owner—San Mateo Union High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

Contract Awarded.
SCHOOL Cost, $130,000
WHITTIER, Los Angeles Co., Cal.
Two-story reinforced concrete high school.
Owner—Whittier School District.
Architect—John C. Austin, Baker-Detwiler Bldg., Los Angeles, and W. Horace Austin, Long Beach, associated.
Contractor—B. D. Kronnick, 312 W 39th St., Los Angeles.
Plumbing awarded to Whittier Hardware Co.
Electric Work to Ward Akeley, Long Beach.
Painting and Heating Bids rejected, and new bids will be called for later.

Preliminary Plans Completed.
GYMNASIUM BUILDING Cost, $18,000
ANTIOCH, Contra Costa Co., Cal.
Brick and frame gymnasium building.
Owner—Antioch High School District.
Architect—Louis S. Stone, Belding Bldg., Stockton.

NOVATA, Marin Co., Cal.—Until Feb. 8, 10 A. M., bids will be received by Elodie S. Cole, Clerk, Novato School District, for installing steam heating plant in Novato school, from plans of Architect Walter H. Parker, 57 Post St., San Francisco. **See call for bids under official proposal section in this issue.**

LOS ANGELES, Cal.—Pozzo Constr. Co., 421 Macy St., Los Angeles, was the low bidder at $57,816 on the general contract for a new brick school building at California St. school site. Low bidders on other contracts were: H. E. Murray on plumbing at $8343; American Elec. Constr. Co. on wiring at $2320; D. Zelinsky & Sons of San Francisco, on painting at $2670, and Marshall-Lock Co. on heating at $3365. C. F. Skilling, Bradbury Bldg., Los Angeles, is the architect. The bids were referred to business manager.

LOS ANGELES, Cal.—Alex. Grant, 1262 W. 36th Place, Los Angeles, has been awarded the general contract at $61,973 for erecting a new school building at Main St. school site; 52nd and Main Sts., Los Angeles. Lester T. Squiers, Douglas Bldg., Los Angeles, is the architect. The steam heating was awarded to Geo. A. Posthumus at $3347, plumbing to G. C. Sutton at $10,420; painting to R. E. Swan at $2865, and electrical work to Prewitt Electric Co., at $3688. Brick construction, 10 classrooms, ruff. brick and art stone exterior; composition roof, pine trim, maple floors, reinforced concrete corridor floors and stairways.

LOS ANGELES, Cal.—Jacobs Construction Co., H. W. Hellman Bldg., Los Angeles, was low bidder at $68,964 on general contract for new brick school building at East First St. school site; John P. Krempel & Walter E. Erkes, Bradsbury Bldg., Los Angeles, architects. The low bidders on the other contracts were: Leo. H. Hubbert on painting at $2723; American Elec. Construction Co. on wiring at $2488.80; W. S. Goodrich on plumbing at $8284, and Arthur Hess on heating at $5230.

FREMONT, Sacramento Co., Cal.—Until Feb. 18, 6 P. M., bids will be received by W. L. Juergenson, clerk, Fremont School District, Route 1, Box 348, Sacramento, for erecting school building. Plans obtainable from clerk. The bond election was for $9,000.

SAN FRANCISCO. Following bids received by the Board of Public Works for constructing the Hancock School on Taylor street between Filbert and Greenwich streets:

General Construction

O. Monson (low)	$27,860
Farrell & Reed	36,400
Elmer Carlson	29,740
John Spargo	30,700
Anderson & Ringrose	30,897

Plumbing

Gilley-Schmidt Co. (low)	$1395
Frederick W. Snook Co.	1809
A. Lettich	1529
J. E. O'Mara	1487

Heating and Ventilating

P. J. Enright (low)	$1345
F. W. Snook Co.	1930
A. Lettich	1947
Scott Co.	1430
J. E. O'Mara	1487

Electric Work

F. E. Newberry (low)	$ 765
G. A. Metcalfe	1038
Standard Elec. Constr. Co.	1063

GALILEO HIGH SCHOOL

Furring, Lathing and Plastering

J. Greenback (low)	$66,925
Peter Bradley	74,800
A. Knowles	84,000
H. Bosch	72,500
J. A. Smith	75,800

MISSION HIGH SCHOOL ADDITION

Brick and Hollow Tile

E. Hogberg (low)	$26,300
Farrell & Reed	27,200
Chas. Hock	28,985
Mahoney Bros.	36,373
Anderson & Ringrose	31,895
M. J. Mealey	31,800
White & Gloor	31,900
Thos. Campbell	28,867

CONCORD, Contra Costa Co., Cal.—Steps being taken to secure new grammar school for this district. It is proposed to consolidate several of the smaller districts and erect one large building to provide facilities for all.

CHICO, Butte Co., Cal. — High School District rejects bids for constructing two tennis courts. T. H. Polk bid $6,856 aid Chas. Self, $6,664, both of Chico. Woollett & Lamb, Hagelstein Bldg., Sacramento, Architects.

SONOMA, Sonoma Co., Cal.—Bids will be received until February 25, 1922, at 7.30 P. M., by the Board of Trustees of the Sonoma Valley Union High School District, for the construction of a two-story concrete high school building. **For further information see call for bids under official proposal column.**

MONTEREY, Monterey Co., Cal.—Until Feb. 6, 7.30 P. M., bids will be received by A. G. Winston, clerk, Monterey Grammar School District, for overhauling heating system and increasing radiation in school. Specifications may be had from clerk.

MONTEREY, Monterey Co., Cal.—Until Feb. 6, 7:30 P. M., bids will be received by A. G. Winston, clerk, Monterey Grammar School District for fur. school equipment and materials, including chairs, sectional bookcases, opera tablet arm chairs, pupil's desks, teacher's desks and playground equipment. Specifications can be obtained from Sup. of Schools, 642 Pacific St.

FRESNO, Fresno Co., Cal.—Formation of the Sierra High School District is proposed. It is planned, should the district be organized, to bond for a new high school building.

FRESNO, Fresno Co., Cal.—Until Feb. 28, 5 P. M., bids will be received by L. L. Smith, secretary Board of Education, for furnishing lumber to School Department. Specifications may be had from secretary, at 2525 Tuolumne St.

OAKLAND, Cal.—The Board of Education of the City of Oakland received the following bids on January 30th, for the construction of a new school building for the Lockwood Junior High school, located at E-14th street and 68th Ave. All bids were taken under advisement:

Excavating and Concrete

M. E. Hooper & Sons, 351 12th St., Oakland (low) $19,277
(1) $2180; (2) $2980.
Frank Auzey, Richmond..... 22,566
(1) $315; (2) $2145.
West Coast Constr. Co., S. F.... 25,126
(1) ——; (2) $4512.

Brick Work

O. V. Fortin, 24th and Waverly, Oakland (low) $11,437
Hock & Hoffmeyer 12,475
Herold Larsen 13,900
White & Gloor 13,950
Herbert Beckwith 14,290
Mealy & Collins 13,840

Carpenter Work

Schnebly & Hostrawser, Oakland (low) $76,920
(1) $4848; (2) $18,965.
L. Cohn, San Francisco..... 85,800
(1) $3000; (2) $17,000.
West Coast Constr. Co., S. F.... 80,857
(1) $4266; (2) $21,955.
G. P. W. Jensen, San Francisco. 79,889
(1) $4700; (2) $20,600.
M. E. Hooper & Son..... 77,900
(1) $5,100; (2) $19,800.

Lathing and Plastering

T. D. Sexton, 351 12th St., Oakland (low) $12,950
(1) $925; (2) $2418; (3) $368.
Geo. Dixon, Oakland..... 14,983
(1) $1880; (2) $2600; (3) $150.
Wm. Makin, Oakland 14,680
(1) $1529; (2) $2748; (3) $325.
N. Edinger 13,639
(1) $1645; (2) $2190; (3) $50
A. Knowles, San Francisco..... 14,800
(1) $1500; (2) $2530; (3) $380.
J. Greenback, San Francisco.... 13,925
(1) $800; (2) $2750; (3) $250.

Painting

F. G. Zelinsky, S. F. (low).....$6,043
(1) $120; (2) $1240.
J. A. Turgeon 7,750
(1) $600; (2) $1500.
R. Zelinsky 6,672
(1) $627; (2) $1292.
J. Llewllyn 9,400
(1), ——; (2) ——.

Steel Lockers

Berger Mfg. Co., S. F. (low)..$2,136.80
Rucker-Fuller Co. 2,142.00
Geo. Trask 2,164.00
Fred Medart Co. 2,257.20

Plumbing

W. J. Nevins (low) .....$ 9,000
(1) $1574; (2) $480.
Carl T. Doell, ... 11,397
(1) $74; (2) $2771.
Scott Co., Oakland..... 12,245
(1) $22; (2) $2989.
J. E. O'Mara, S. F..... 12,900
(1) $50; (2) $2300.
W. H. Picard, Oakland..... 9,716
(1) $30; (2) $2,085.
J. B. Cruz 12,500
(1) ——; (2) $3100.

Heating and Ventilating

J. E. O'Mara, S. F. (low).....$11,763
(1) $800; (2) $650.
Carl T. Doell.....$12,773
(1) $943; (2) $937.
C. J. Enright.....$12,648
(1) $1120; (2) $600.
Scott Co., Oakland.....$12,592
(1) $1018; (2) $1010.

Electrical Work

King Elec. Co., 351 12th St., Oakland (low) $16,000; (1) $395; (2) $975.
M. E. Ryan.....$17,193
(1) $305; (2) $1612.
Spencer Elec. Co.....$16,798
(1) $386; (2) $1642
Ne Page-McKenny $18,469
(1) $348; (2) $1208
Roberts Mfg. Co.....$17,214.50
(1) $320; (2) $1587.50.
Watts Elec. Co.....$18,040
(1) $370; (2) $1400.
Turner Co. $17,240
(1) $300; (2) $1700.
Advance Elec. Co.....$16,271
(1) $360; (2) $1570.

LOS ANGELES, Cal.—T. Bennett, 7955 Hollywood Blvd., Los Angeles, was low bidder at $44,489 on the general contract for new school at Rowan Ave. school site; Henry F. Withey, architect. The low bidders on the other contracts were: J. Hokom on heating at $3886; R. Zelinsky on painting at $2885; F. B. Potter Elec. Co. on wiring at $915; and J. Hokom on plumbing at $1318.

LOS ANGELES, Cal.—J. A. Hill Construction Co., 1749 W. 23rd St., Los Angeles, was low bidder at $63,670 on general contract for brick school building at Grant St. school site; Jeffery & Schaefer, 1106 Korkhoff Bldg., Los Angeles, are the architects. Low bidders on the other contracts were: Geo. A. Posthumus on heating at $3928, American Electric Constr. Co. on wiring at $2222; Leo. H. Hubbert on painting at $2850, and W. S. Goodrich on plumbing at $4947.

LONG BEACH, Los Angeles Co., Cal. J. C. Bannister, 903 N Mariposa Ave., Los Angeles, was low bidder at $143,-944, on general contract; E. E. English low on painting at $7945; Hickman Bros. low on plumbing at $7347; Baty Elec. Co. low on wiring at $3475; Pacific Gas Radiator Co. low on gas heating at $3956.81, and the Standard Elec. Time Co. low on program clocks, for erecting the practical art unit at the Polytechnic High School, Long Beach. J. C. Austin, Baker-Detwiler Bldg., Los Angeles, and W. Horace Austin 222 First National Bank Bldg., Long Beach, associate architects.

SAN DIEGO, Cal.—Ova S. Eckles, San Diego, was low bidder at $267,600 on the general contract for a new high school building at Balboa Park; Theo. C. Kistner, Bancroft Bldg., Los Angeles, is the architect. The contract will be awarded and work started at once. Bids for plumbing, heating, etc., will be received in about 30 days. The building will be hollow tile construction, plaster exterior, clay tile and composition roofing.

CHICO, Butte Co., Cal.—Bids from Richardson Furniture Co., and C. F. Weber Co., for furnishing the domestic science department of the high school have been taken under advisement by Chico High School District. Woollett & Lamb, Hagelstein Bldg., Sacramento, architects.

BURBANK, Los Angeles Co., Cal.—Farley & Farley, Burbank, were low bidders at $70,800 on Contract No. 1, concrete and carpentry work, for new high school building at Burbank; Allison &Allison, 1405 Hibernian Bldg., are the architects. The low bidders on other contracts were: H. Reimers on masonry work at $33,333; St. Louis Cornice Works on sheet metal work at $1020; Hammond Lumber Co. on composition roofing at $1035; R. G. Blessing on tile roofing at $3600; Jos. B. Rickert on plastering at $9391; Rucker-Fuller Desk Co., on blackboards at $1224.30; Arenz-Warren Co. on painting at $5795; Bennett-Montgomery Hardware Co. on hardware at $3770 and $3973; Lohman Bros. on plumbing at $9487; Burbank Elec. Co. on wiring at $5169; Pacific Electric Clock Co. on program clocks at $1450, and Hoagland-Larkin Co. on heating at $8778. Contracts for all work except program clocks and blackboards will be awarded to the lowest bidder. The contracts will be awarded on alternate bids for omitting portions of the work at present with provisos for completing entire work as soon as funds are available.

PASADENA, Cal.—Until 8.30 A. M., Feb. 21, bids will be received by N. G. Felker, clerk of the Pasadena Board of Education, Fifth floor, Chamber of Commerce Bldg., Pasadena, for the erection of a 1-story hollow tile addition to the Thomas Jefferson grammar school at Monte Vista, Sierra Bonita, Villa and Hamilton St., Pasadena, by separate contracts as follows: (1) general contract; (2) plumbing; (3) heating; (4) painting; (5) electric wiring. Check for 5%. Leon C. Krockway, 400 Chamber of Commerce Bldg., Pasadena, architect; 8 classrooms, 8 special study and utility rooms, auditorium 57x73 ft.; moving picture projection room, remodeling for 4 rooms and toilet in old building, new boiler in heating plant, stucco exterior, tile roofing, new tile roof on old building, hardwood floors, iron grilles and gate. (40569) 1st report Nov. 12, 1921. R 13

STORES AND OFFICES

Contract Awarded.
STORE Cost, $38,500
SAN FRANCISCO. N Mission between Fremont and Beale
Three-story and basement brick store and loft building.
Owner—San Francisco Investment Co.
Architect—D. C. Coleman, 110 Sutter St., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco.

Contract Awarded.
OFFICE BUILDING Cost, $150,000
MODESTO, Stanislaus Co., Cal. NE 11th and Eye Sts.
Two-story and basement brick and concrete (9) stores and offices, 100x140.
Owner—L. C. Black % Black's Garage, Modesto.
Architect—Wallace Hubbert, 919 Eye St., Modesto.
Contractor—R. F. Felchlin Co., Bank of Italy Bldg., Fresno.

Contract Awarded.
ALTERATIONS Cost, $10,000
EUREKA, Humboldt Co., Cal. Second and F Streets.
Remodeling store and office building.
Owner—Palmtag Building.
Architects—Jacobs, Ackerman & Cozier, Eureka, Calif.
Contractor—Ambrose Foster, Eureka

To Be Done By Day's Work and Sub-Contracts.
STORE BUILDING Cost, $10,000
SAN FRANCISCO. N Mission 129-3 W 9th.
One-story and basement reinforced concrete store building.
Owner—J. H. Hjul, 830 Monadnock Bldg., San Francisco.
Engineer — J. H. Hjul, Monadnock Bldg., San Francisco.

Plans Completed.
BAKERY Cost, $5000
HEALDSBURG, Sonoma Co., Cal.
One-story reinforced concrete bakery building.
Owner—Withheld.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.

Contracts Awarded.
ALTERATIONS Cost, $9,500
SAN FRANCISCO. 136 Mason St.
Alter store and Tamale Restaurant (Red Southern gum trim, ornamental plaster, ceiling, etc.)
Owner—Withheld.

Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Plastering to McGruer & Simpson, 180 Jessie St.
Glass to Schwarz & Gottlieb, 574 Eddy St.
Composition Flooring and Wainscot to Malott & Peterson, 2412 Harrison St.
Electric Work to Kohlwey, Smith Electric Co., 237 Powell St.
Iron Grills and Doors to Art Iron Shop, 1617 California St.
Painting to Tormey Co., 1042 Larkin St.

Figures To Be Taken In Two Weeks.
STORE BUILDING Cost, $20,000
OAKLAND.
One-story brick and terra cotta store building (7 stores).
Owner—Withheld.
Architect—Louis S. Stone, Belding Bldg., Stockton.

Contract Awarded.
STORE BUILDING Cost, $12,000
SAN FRANCISCO. O'Farrell and Jones Streets.
One-story reinforced concrete store building.
Owner—Walter Sullivan.
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.
Contractor—Cohn & Nordstrom, Merchants National Bank Bldg., San Francisco.

Plans Being Prepared.
OFFICE BLDG. Cost, $——
LOS ANGELES, Cal. SE Sixth and Lebanon Streets.
Six-story and basement Class A store and office building. 50x114 (2 stores and 60 offices).
Owner—John L. Richardson.
Architect—Chas. M. Hutchison, Security Bldg., Los Angeles.

Bids Opened—Contract to be Awarded to Low Bidder.
OFFICE BLDG. Cost, $350,000
OAKLAND, Alameda Co., Cal. Corner Seventeenth and Clay Sts.
Eight-story Class A office building, 50 by 100.
Owner—Pacific Gas & Electric Co.
Architect—C. W. Dickey, 357 12th St., Oakland.

Engineer—T. Ronneberg, Crocker Bldg. San Francisco.

R. W. Littlefield, 351 12th St., Oakland	$318,500
Clinton Constr. Co., S. F.	326,537
Cahill Bros., S. F.	329,125
K. E. Parker Co., S. F.	330,700
Barrett & Hilp, S. F.	331,500
Alfred H. Vogt, S. F.	332,883
W. G. Thornalley, Oakland	335,950
R. McLeran & Co., S. F.	336,950
P. A. Palmer, S. F.	338,987
M. C. Vaughn, Oakland	339,000
Unit Constr. Co., S. F.	340,000
G. P. W. Jensen, S. F.	342,000
Schnebly-Hostrawser, Okd.	352,687
The Foundation Co., S. F.	358,313

Segregated Figures Being Taken.
STORE BUILDING Cost, $——
BERKELEY. Shattuck Ave. and Haste St., San Francisco.
One-story reinforced concrete store building.
Owner—B. K. Denbigh, 2341 Shattuck Ave., Berkeley.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Plans Being Figured.
STORE, ETC. Cost, $30,000
SAN FRANCISCO. S Sutter Street between Stockton and Powell Streets.
Two-story and basement class C store and studio building (3 stores).
Owner—Proctor & Chamberlain.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.
Grading awarded to Sibley Grading & Teaming Co., 135 Landers St., San Francisco.
Figures To Be Called For Shortly.
BUILDING Cost, $30,000
OAKLAND. Webster St. near 14th St.
One-story reinforced concrete auto sales building.
Owner—Withheld.
Architect—Meyer & Johnson, 742 Market St., San Francisco.

SAN FRANCISCO—The Dunn-Williams Co. have purchased the property on the north side of Post street, 185 feet west of Powell, and will shortly improve it with a new business building.

LOS ANGELES, Cal.—C. H. Price and W. W. Paden, 506 Story Bldg., Los Angeles, have secured a 99-year lease on a lot at SE corner of 7th and Spring Sts. in Los Angeles, and will erect a 12-story and basement class A bank and office building. It will be 57.8 ft. by 135 ft. A portion of the ground floor has been leased to the Fidelity Savings & Loan Association. The architect for the building has not been selected. Negotiations are pending for leasing the adjoining lot upon which a 12-story class A building will be erected in conjunction with the corner building, but as a separate project.

SAN FRANCISCO — Architect Miss Grace Jewett, Room 601, 57 Post street, is taking figures for lumber. Bids must be in by Wednesday.

THEATRES

Sub-figures Will Be Taken About March First.
THEATRE Cost, $——
LOS ANGELES, Cal. SW Pico St. and Norton Ave.
One-story reinforced concrete class A theatre 110x220 (2000 seats).
Owner—Forum Theatre Cptn.
Architect—E. J. Borgmeyer, 1003 California Bldg., Los Angeles.

Plans Complete—Figures To Be Taken Shortly.
THEATRE Cost, $25,000
IRVINGTON, Alameda Co., Cal. Mission St.
Two-story reinforced concrete and frame theatre, store and office building.
Owner—F. A. Leal, Irvington.
Architect—H. A. Minton, Monadnock Bldg., San Francisco.

PALO ALTO, Santa Clara Co., Cal.—Ellis J. Arkush and Frank LeSeur, representing the Palo Alto Theatre Co., announces negotiations are being completed to erect a $140,000 theatre, seating 1200 persons. Two theatres are now being operated by the company in this city. On completion of the new structure one of them will be abandoned.

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Official Proposals

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on February 27, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Monterey County, between San Lucas and 2¾ miles east of Long Valley School (V-Mon-10-A), about eleven (11.0) miles in length, to be graded.

Plans may be seen and forms of proposals, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated January 30, 1922.

NOTICE TO CONTRACTORS

(School Heating Plant)

Sealed proposals will be received by the Clerk of the Board of School Trustees of Novato School District, **up to and including February 8th, 1922, at 10:00 A. M., of said day,** when the said bids will be opened at the School House at Novato, Marin County, California, for furnishing of all materials and labor necessary for a steam heating plant to be installed in school building now under construction on the southeast corner of the State Highway and Grant avenue, Marin County, California, according to specifications which can be seen at the residence of Elodie S. Cole, Novato, Marin County, California, or at the office of Walter H. Parker, Architect, 57 Post Street, San Francisco, California.

A deposit of $10.00 payable to the Clerk of the Novato Board of School Trustees, will be required on each set of specifications delivered to prospective bidders. This deposit to be returned upon surrender of said specifications.

All bids must be addressed to Elodie S. Cole, Clerk of Novato Board of School Trustees, Novato, Marin County, California, and each bid must be accompanied by a certified check on some reliable bank in a sum equal to at least ten per cent (10%) of the amount of the bid, made payable to the undersigned Clerk of said Board, same to be forfeited to the School District in case the party to whom the contract shall be awarded shall fail to execute within ten (10) days after the award of said contract, and furnish bonds required by law to be approved by the Board of Trustees and enter into a written contract with said Board of Trustees in accordance with said plans and specifications and the bids thereon.

The said Board of Trustees reserves the right to reject any or all bids so received.

Dated, Novato, January 25, 1922.

ELODIE S. COLE,
Clerk of Board of Trustees, Novato School District.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

Job N. 8.

Office of the Secretary of the Board of Education of the City of Oakland.

Sealed bids will be received by the Acting Secretary of the Board of Education of the City of Oakland, at his office at the City Hall, Oakland, California, **until Monday, the 27th day of February, 1922, at 3 o'clock P. M.** of said day, the day when said bids will be opened, for the erection and completion of New Buildings for the ALEXANDER HAMILTON SCHOOL, of the Oakland School District and Oakland High School District, located at Galindo Street and 35th Avenue, Oakland, California.

Separate bids will be received for:

(1) Carpentry work, Excavation and Concrete work, Miscellaneous Iron, Sheet Metal, Built-up Roofing and Tile Roofing.
(2) Brick work.
(3) Plastering and Lathing.
(4) Painting.
(5) Steel lockers.
(6) Yard work.
(7) Plumbing work.
(8) Heating and Ventilating work.
(9) Electrical work.

Plans and specifications for said work are on file at the office of the Acting Secretary of the Board of Education, and at the office of the Chief of Construction, 357 12th Street, Oakland, California.

On a deposit of Twenty-five ($25) Dollars, complete sets of said plans and specifications may be had by any prospective bidder. These may be retained for a period of ten (10) days by the Carpentry Contractor, and for a period of four (4) days by the Brickwork, Plastering, Painting, Steel Lockers, Yard work, Plumbing, Heating and Ventilating, and Electrical Work Contractors. If these plans and specifications are not returned within said period, or if they be mutilated, the said deposit may be retained by said School Districts as agreed and liquidated damages for said detention and mutilation.

Bids must be made on proposals obtained at the office of the Chief of Construction, and be signed by the bidder, accompanied by a certified check for at least ten (10%) per cent of the amount of the bid or proposal, certified to by some responsible bank or banker, and made payable to "N. W. Cook," the Acting Secretary of the Board of Education, to be retained by the said School Districts as agreed and liquidated damages should the party or parties to whom the contract should be awarded fail to enter into the contract after the award, or to give bonds required for the faithful performance of the contract, or any bond required by law.

Bids will be opened by the Board of said Districts on the 27th day of February, 1922, at the hour of 5 P. M., in the Board Room, 211 2nd Floor of said City Hall, in said City of Oakland. The Board reserves the right to reject any or all bids or any or all items of such bids.

N. W. COOK,
Acting Secretary of the Board of Education.

BIDS WANTED FOR SCHOOL BUILDING

NOTICE TO BIDDERS

NOTICE IS HEREBY GIVEN That sealed bids will be received **up to and opened at 7.30 P. M., on the 25th day of February, 1922,** at the Sonoma Valley Union High school building, Sonoma, California, for the erection and completion of a two-story concrete high school building according to plans and specifications prepared by W. H. Weeks, the authorized architect, employed by the Board of Trustees.

Separate bids will be received on the General Contract and on the Heating System as called for in the specifications. Each bid must be accompanied by a certified check of 5 per cent of the amount of the bid, check to be made payable to Dr. W. B. Hays, Clerk of the Board of Trustees and certified to by some responsible banking institution.

Bids must be made out on blank forms supplied by the architect. The plans and specifications may be seen in the office of the Clerk of the Board, at the high school building, Sonoma, California, or may be obtained from the architect, W. H. Weeks, 369 Pine St., San Francisco, California. A deposit of $20.00 will be required for plans loaned out.

The sealed bids accompanied by the certified check should be mailed or delivered to Dr. W. H. Hays, Sonoma, California.

The Board of Trustees reserves the right to reject any and all bids.

GEORGE H. CASSIDY, President,
DR. W. B. HAYS, Secretary,
FREDK. HELBERG,
THOMAS JOHNSON,
L. M. BISH,
Board of Trustees of Sonoma Valley Union High School District.

NOTICE FOR BIDS FOR CLEANING, PAINTING AND REPAIRING THE OAKLAND FREE LIBRARY BUILDING.

The Board of Library Directors will receive sealed bids **on February 7, 1922, between the hours of 8 and 9 P. M.,** at the Librarian's office of the Oakland Free Library, 14th and Grove Streets, for furnishing materials and labor for cleaning, painting and repairing the Oakland Free Library Building, 14th and Grove Streets, Oakland.

Proposals shall be accompanied by a check certified by a responsible bank, payable to the order of Eugene K. Sturgis, City Clerk of the City of Oakland in an amount not less than 10% of the aggregate of the proposal. Bond of 25% of the amount of the bid to be furnished by the successful bidder for the faithful performance of the contract. Contract to be entered into within three days after award and work to be begun within one day from date of contract and completed in 25 days.

Bids must be on form which will be furnished by the Librarian, from whom specifications for work may be obtained. Each bid shall bear the affidavit of the bidder as required by Section 126 of the Charter of the City of Oakland.

Board reserves the right to reject any and all bids.

CHAS. S. GREENE, Secretary

(Continued on Page 18)

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SAN RAFAEL, Marin Co., Cal.—American Dredging Co., 255 California St., San Francisco, at approximately $3,450 awarded contract by city council to dredge inner harbor, area covering approximately 250x400 ft.

REDONDO BEACH, Cal.—A $51,000 bond issue to purchase 8 acres on ocean front from Pacific Electric Railway and build two jetties to protect beach carried by special election. Property owners will improve the north ocean front with concrete walk and ornamental lighting system and pave all streets and alleys between Hermosa Ave. and the Strand.

MERCED, Merced Co., Cal.—Supervisors decide not to construct reinforced concrete bridge No. 86 on Hilmar-Irwin-Stevinson road. Bids were to be opened Jan. 30. A. E. Cowell, county surveyor.

BLYTHE, Cal.—Until noon, Feb. 10, bids will be received by directors of Palo Verde Joint Levee District at office of Palo Verde Mutual Water Co., Blythe, for excavating and embankment of approximately 218,687 cu. yds. and approximately 125 acres clearing and grubbing along Colorado river in Palo Verde Valley. Plans may be obtained on deposit of $10 with C. K. Clarke, chief engineer of district, at Blythe. A. Rife, secretary.

IRRIGATION PROJECTS

FALL RIVER MILLS, Shasta Co., Cal.—Farmers have petitions prepared seeking organization of irrigation district comprising 14,000 acres in the Fall River valley.

MERCED, Merced Co., Cal.—International Diamond Drill Construction Co., Hobart Bldg., awarded contract by Merced Irrigation District for approximately 3,000 ft. of preliminary test borings. Bonds of $12,000,000 have been voted in the district to finance construction works. R. C. Starr, chief engineer of district.

RIVERDALE, Fresno Co., Cal.—Riverdale Irrigation District is preparing to call an election to vote on issuing $120,000 bonds for purchase of irrigating systems in district.

MADRAS, Ore.—No bids received by Jefferson Water Company District for constructing $4,000,000 irrigation project. An informed offer has been made and this shall be considered by directors of the district. A. D. Anderson is secretary.

MERCED, Merced, Cal.—Merced Irrigation District, R. C. Starr, Chief Engineer, completing plans for proposed irrigation works for which bonds of $12,000,000 have been voted. Will consist of rein. conc. dam involving 400,000 cu. yds. conc. and will be 300-ft. high and 800-ft. long, to be constructed at Exchequer over Merced river, estimated cost $3,763,000. Power house, 43,000 h. p. $2,000,000; relocation of approx. 25 miles of Yosemite valley railroad, $2,043,000; repairing present canals, $100,000 and construction of new canals, $1,422,000: Booster pumping plants, $102,000, and Booster laterals, $64,000; drainage pumps and canals, $200,000. Of the total amount voted $2,250,000 will finance purchase of Crocker-Huffman Land Company.

LIGHTING SYSTEMS

RIVERSIDE, Cal.—An ornamental lighting system with 33 posts will be constructed on Locust St. in connection with street improvements to be made under 1911 Act.

REDONDO BEACH, Cal.—Property owners contemplate construction of an ornamental lighting system on the north ocean front.

FORTUNA, Humboldt Co., Cal.—Town of Fortuna, Geo. R. Lane, clerk, is in the market for some second-hand lighting standards. Communications should be addressed to city clerk.

MACHINERY

MERCED, Merced Co., Cal.—Merced Irrigation District contemplating purchase of motor trucks. R. C. Starr, chief engineer for district.

LONG BEACH, Cal.—City Manager Hewes has recommended construction of an incinerator to cost $100,000 at the sewage screening plant. He recommends a plant with 100 tons capacity designed for additional units.

SANTA CRUZ, Santa Cruz Co., Cal.—U. S. Cast Iron Pipe and Foundry Co., Monadnock Bldg., San Francisco, at $5,164.43 awarded contract by council for 4500 ft. 8-in. Class B cast iron pipe, bell and spigot joints; etc. James K. James, city engineer.

LOS ANGELES, Cal.—Bids will be received by the Vermont Water Co., 1101 Haas Bldg., for the erection of a galvanized corru. iron tank with cover; capacity 775 bbls. Tanks to be erected on the corner of 114th St. and Vermont Ave. Bids are also wanted for erection of a steel tower 35 ft. high to hold a 775 bbl. tank. Tower to be erected on the corner of 114th St. and Vermont Ave.

OAKLAND, Cal.—Until Feb. 9, 12 M., bids will be received by Eugene K. Sturgis, city clerk, for fur. one 1-ton motor truck for use of city pound.

POMONA, Cal.—Until 12 noon, Feb. 7, bids will be received by City Clerk T. R. Trotter for 1-ton truck equipment with 1 yd. steel body, hand hoist and with or without scraper attachment.

SAN JOSE, Santa Clara Co., Cal.—Until Feb. 6, 5 P. M., bids will be received by C. B. Goodwin, city manager, for furn. approx. 2100 lin. ft. of galv. wire fencing 6 ft. in total height, together with six 4-ft. walk gates and two 12 ft. double drive gates. Spec. fence shall be made in accord. Spec. may be had from City Engineer Wm. Popp.

Engineers and Contractors
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RAILROADS

SPOKANE, Wash.—Grant-Smith Co., Railway Exchange Bldg., Portland, Ore., awarded contract by Great Northern Railroad to grade for double track between Lamona and Bluestem and between Hillyard and Dean. Track work will be done by company crews. F. S. Elliott, general supervisor of the road in Spokane, has authority to expend $757,000 on Lamona-Bluestem and $209,000 on Hillyard-Dean unit.

SAN FRANCISCO—Supervisors vote $2,467,000 to finance construction of Duboce ave., route of the Municipal Railway system. Of the total amount $1,900,000 will be finance tunnel construction. M. M. O'Shaughnessy, city engineer.

FIRE EQUIPMENT

SAN FRANCISCO—Until March 1, 8.30 P. M., bids will be received by Frank T. Kennedy, Secretary Fire Commission, for furnishing one or more gasoline motor driven and operated combined pumping engines and hose wagons. Blanks for bidding furnished on application.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

REEDLEY, Fresno Co., Cal.—City Engineer John S. Bates completes specifications for improving certain streets involving 1,931,770 sq. ft. oiling; 71,013 lin. ft. curbs; 360 lin. ft. gutter; 8 catchbasins; 108 lin. ft. 10-in. and 148 lin. ft 8-in. vitrified drain; 6 street monuments; 1 reinforced concrete culvert; 4,000 lin. ft. of arched corrugated iron culverts.

OAKLAND, Cal.—Until Feb. 9, 12 M., bids will be received by Eugene K. Sturgis, city clerk, for constructing cement sidewalks in portions of East 14th street. Geo. Mattis, city engineer.

MODESTO, Stanislaus Co., Cal.—Standard Paving Co., 1411 9th street, Modesto, awarded contract to improve 11th street, bet. F and B, and B bet. 10th and 11th, involving 111,645.3 sq. ft. 3-in. asph. conc. base with 1½-in. Bitulithic surface; 112,327.1 sq. ft. grading; 434.5 lin. ft. curb; 681.8 sq. ft. gutters and 4,191 ft. headers. Geo. Freitas, city engineer.

SAN JOSE, Santa Clara Co., Cal.—Council declares intention to improve crossing of 16th and San Fernando Sts., regrading, 3-in. asphaltic concrete base with 1½-in. asphaltic concrete surface, 2 brick catchbasins, concrete curbs and gutters. Wm. Popp, city engineer.

TERRA BELLA, Tulare Co., Cal.—Chamber of Commerce has appointed committee to present plan to improve roads in Terra Bella District. Surfacing with disintegrated granite is proposed. Laurence Moye, county surveyor.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy completes specifications for improving Pomona St. between Bay View and Thornton Aves.; estimated cost $10,400,involving 2529 cu. yds. cut; 1200 lin. ft. concrete curbs; 6,600 sq. ft. asphaltic concrete and 11,-400 sq. ft. concrete pavement.

Specifications also completed to improve Ulloa between 15th and 16th Aves.; estimated cost $19,300, involving 13,477 cu. yds. cut; 565 lin. ft. 12-in. and 40 lin. ft. 8-in. vitrified pipe sewer; 5 brick manholes and 30 12-in. vitrified wyes.

Specifications completed to improve 45th Ave. between Cabrillo and Fulton; estimated cost $7,920, involving 1200 lin. ft. concrete curbs and 24,000 sq. ft. asphaltic concrete pavement.

Specifications completed to improve 34th Ave. between Lincoln Way and Irving; estimated cost $7,920, involving 1200 lin. ft. concrete curbs and 24,000 sq. ft. asphaltic concrete pavement.

SOUTH PASADENA, Cal.—Until 5 P. M., Feb. 13, bids will be received by City Clerk B. V. Garwood, for improving Spruce St., involving about 4500 cu. yds. excavation, 78,000 sq. ft. oil rock macadam, 7500 sq. ft. cement gutter, 3600 sq. ft. sidewalk, 750 ft. curb and 312 ft. house connection sewers. Certified check for 10%.

SAN BERNARDINO, Cal.—A resolution of intention to pave 10th St. between H and I Sts. with 4-in. concrete and oil and rock screenings surface, adopted by city council; 1911 Act.

SONORA, Tuolumne Co., Cal.—City Trustees determine to pave streets with concrete: portions of Washington St., 5-in. concrete full width, 16 and 25 ft. wide; Stockton St., 5-in. 16 ft. wide; Bradford Ave., full length, 4-in. concrete 16 ft. wide. Remainder of streets will be paved with asphalt 1-in. thick over present surface. Estimated cost, $70,000. C. W. Terry, city engineer.

SAN JOSE, Santa Clara Co., Cal.—Raisch Improvement Co., 46 Kearny St., San Francisco, awarded contract by Council to improve Julian St. between 11th and 17th St.; 4-in. asphaltic concrete base and pavement, 31c sq. ft.; concrete curb, 70c lin. ft.; concrete gutter, 30c sq. ft.; brick catchbasins, $80 each; 8-in. vitrified pipe drains, $1.25 lin. ft. Wm. Popp, city engineer.

MODESTO, Stanislaus Co., Cal.—Council adopts specifications for paving Needham Ave. between 9th and McHenry, 12 blocks; also for resurfacing 41 blocks of streets in the business district with 1½-in. asphalt wearing surface and for paving 11th St. between F and B Sts. and a portion of B St. to Tenth, at a cost of approximately $146,000. Paving of Needham Ave. will cost about $60,000; 11th St. and portion of B St. will cost about $26,000. Geo. Freitas, city engineer.

SACRAMENTO, Cal.—Until Feb. 14, 2 P. M., bids will be received by State Highway Commission, Forum Bldg., for grading 11.0 miles in Monterey county between San Lucas and 2¾ miles east of Long Valley school. **See call for bids under official proposal section in this issue.**

ABERDEEN, Wash.—Until Feb. 15, 5 P. M., bids will be received by Nelle Thrift, city clerk, for constructing sanitary trunk sewer system, with necessary laterals, west of Division street. Estimated cost, $140,000.

SAN FRANCISCO—Supervisors appropriate $25,000 to construct boulevard extension from Lincoln Park westward along cliffs bordering the Golden Gate. M. M. O'Shaughnessy, city engineer.

VENTURA, Ventura Co., Cal.—Until 11 A. M., Feb. 15, bids will be received by the Supervisors of Ventura County for paving 2 1-5 mile on the Santa Paula-Ojai road, involving 2500 cu. yds. excavating; 11,500 lin. ft. shaping and rolling and 185,000 sq. ft. asphaltic concrete. Plans and specifications may be obtained from County Surveyor Chas. Petit.

LONG BEACH, Cal.—City Council has decided to pave Pine Ave. south of 10th street with 7-in. cement concrete base and asphaltic wearing surface.

SACRAMENTO, Cal.—Until Feb. 16, 10 A. M., bids will be received by Harry Hall, county clerk, for fencing 9 miles of four barbed wires and split redwood posts, 16 ft. apart on Clay-Jone road; estimated cost, $1,400. Drury Butler, county surveyor.

ANAHEIM, Cal.—Until 8 p. m., Feb. 9, bids will be received by City Clerk Edw. B. Merritt for constructing sewers in North Palm and a large number of other streets under bond issue. Cert. chk. or bond for 10%. Approximate quantities are: 10,246 ft. 6-in., 2734 ft. 8-in., and 2466 ft. 10-in. pipe; 370 wyes, 6-in.x4-in.; 34 wyes, 8-in.x4-in.; 85 wyes, 10-in.x4-in; 10 wyes, 10-in.x 6-in; 499 caps; 33 manholes; 10 flush tanks. O. E. Steward, city engineer.

SEAL BEACH, Cal.—Until 8 p. m., Feb. 9, bids will be received by City Clerk B. B. Brown for paving with cem. concr. Eighth St. betw. Ocean and Electric Aves. and Central Ave. between Eigth and 12th; with cem. concrete base and asph. conc. wearing surface, 12th, 13th and 14th Sts. betw. Ocean and Electric Aves. and with bitum. base and asph. concr. wearing surface, 10th and 11th Sts. betw. Ocean and Electric Aves; 1911 Act. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, engineers.

BANNING, Cal.—Until 8 P.M., Feb. 14, bids will be received by City Clerk Theo. Backus, for improving portions of Ramsey St. and San Gorgonio Ave. and constructing Gilman canyon and Indian School canyon storm drains under $70,000 bond issue which has been voted and sold. Approximate quantities: 69,747 sq. ft. 6-in. concrete paving and 28,428 sq. ft. grading and shaping only on Ramsey St.; 29,538 sq. ft. 5-in. concrete paving and 289 ft. curb on San Gorgonia Ave.; Gilman canyon storm drain, 2216 lin. ft. requiring 610 cu. yds. concrete, 27,810 lbs. wire mesh reinforced, 9886 lgs. steel rods and 3200 cu. yds. excavation; Indian canyon storm drain, 4135 lin. ft., requiring 525 cu. yds. concrete, 33,720 lbs. wire mesh reinforced, 4125 lbs. steel rods and 4520 cu. yds. excavation. Paul E. Kressly, H. W. Hellman Bldg., Los Angeles, consulting engineer.

SISSON, Siskiyou, Co., Cal.—Town Trustees planning paving of Main st. to connect up with state highway.

LONG BEACH, Cal.—The city council has voted to specify cem. pipe for more than 10 mi. of laterals in sewer dist. No. 6, Belmont Hts.

MODESTO, Stanislaus Co., Cal.—Standard Paving Co., 1411 9th street, Modesto, submits only bid to council to improve Maynell avenue, bet. McHenry and Johnson, involving 17,790.6 sq. ft. paving with 2½-in. asph. conc. base and 1½-in. Warrenite surface; 19,-585.1 sq. ft. grading; 1,191.6 lin. ft. curb; 1,794.5 sq. ft. gutters; 100 lin. ft. headers; 56 ft. 8-in. vit. pipe; 1 brick manhole and 3 stormwater inlets. Taken under advisement. Geo. Freitas, city engineer.

VENTURA, Cal.—G. H. Jordan of Ventura, awarded contract at $11,500 for paving streets in front of court house involving 11,000 cu. yds. excav., 291 cu. yds. concr. in pavement, 11,723 sq. ft. asph. surfacing, 51 cu. yds. concrete in culverts, 5640 lbs. reinf. steel, 1193 ft. 6-in. curb, 50 ft. 3-in. curb, 156 ft. 30-in. concr. pipe, 101 ft. 24-in. pipe, 172 ft. 12-in. pipe, 35 ft. 6-in. sewer, 81 ft. 4-in, sewer, 560 18-in. gutter, 36 lin. ft. concr. steps, 3200 sq. ft. walk. Fairchild-Gilmore-Wilton Co., bids $15,-000.

VENTURA, Cal.—All bids received by supervisors for paving Ventura road from north to south city limits of Oxnard, 7885 lin. ft., with 5-in. macad. were rejected and County Surveyor Chas. Petit instructed to prepare specifications for 4-in. cem. concr. pavement instead of macad.

PRESCOTT, Ariz.—Tanner Bros., St. Joseph, Ariz., awarded contract at $20,-977.95 to construct Sec. B Cottonwood to Black Canyon road. Other bids were: Jerome Tran Co., $30,362.10; H. Galbraith, $30,396.95; Fawcett & Williams, $33,195.86; A. B. Peach, $34,733.95. Jos. McCarthy, engineer.

SEAL BEACH, Cal.—Sidney Smith, 2025 Bay street, Los Angeles, awarded contract for constructing a water distributing system for Seal Beach, his bid being $35,197 for C. I pipe laid with cem. joints and $39,913.52 with lead joints, involving 17,275 ft. 2-in. stand. screw pipe, 12,125 ft. 4-in., 5410 ft. 6-in. and 208 ft. 8-in. Class B. cast iron pipe, necessary valves and 8 4-in. fire hydrants. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, Engineers.

POMONA, Cal.—Resolutions of intention adopted by city council for paving with 5-in. concr. base and ¾-in. oil and rock screenings surface the following streets: Thomas St., betw. Third St. and Fifth Ave., Main betw. Third St. and Fifth Ave., Gordon betw. Second St. and Fifth Ave., and Park Ave. betw. Second St. and Fifth Ave., city to pay $15,000 on cost: Main St. betw. U. P. Ry. track and Holt Ave., Gordon St. below Second and Holt, city to pay $11,133 on cost; Locust St. betw. Second and Third Sts., city to pay $1665 on cost; Elm St. betw. Second and Third, city to pay $1676 on cost. Bertie St. betw. Rebecca and Eleanor Sts., city to pay $17,858 on cost; proceedings under 1911 Act F. C. Froehde, city engr.

LOS ANGELES, Cal.—R. A. Wattson, 4907 Melrose Ave., submitted only bid to Board of Public Works, for constrting inflow, overflow and collecting sewers at Mormon Island sewage pumping plant at $4100 for inflow, $2200 for outflow and $14,000 for collecting sewer.

OROVILLE, Butte Co., Cal.—Supervisors reject bids for 4,500 cu. yds. earth excavation on Gridley and Colusa county bond road. Bids were: Chesson & Lilly, Marysville, $1,935; John Phillips, Gridley, $8 an hour. Harry H. Hume, county road engineer.

SAN FRANCISCO—W. J. Tobin, 527 Santa Ray Ave., Oakland, at $9,735, submits low bid to Board of Public Works to improve Augusta between Steeben and Silver Ave., etc., involving 1260 lin. ft. 15-in. and 2240 lin. ft. 8-in. vitrified pipe sewer; 18 15-in. and 161 8-in. wye branches; 13 brick manholes. Other bidders: T. M. Gallagher, $12,305; State Improvement Co., $9,735; Fay Improvement Co., $12,133.-40; Eaton & Smith, $12,257.

E. Tracey, Call Bldg., at $4,535, low bidder to improve Judah between 48th Ave. and La Playa, involving 404 cu. yds. cut; 480 lin. ft. concrete curbs; 2400 sq. ft. artificial stone sidewalks and 12,000 sq ft. asphaltic concrete pavement. Other bidders: State Improvement Co., $4,614.20; Fay Improvement Co., $4,614.80; Eaton & Smith, $4,628; Raisch Improvement Co., $4,-700.60.

J. O'Hara at $297 low bidder to construct 1650 sq. ft. artificial stone sidewalks in 19th Ave. between Cabrillo and Fulton. Other bidders: State Improvement Co., $310.20; J. A. Ducray, $310.20. M. J. Treacy, $325.05.

A. J. Raisch, 46 Kearny St., only bidder at $5,873.98 to improve Edna St. between Marston and Havelock, involving 295 cu. yds. cut; 580 lin. ft. concrete curbs; 3348 sq. ft. artificial stone sidewalks; 5700 sq. ft. asphaltic concrete and 2812 sq. ft. concrete pavement; 4 brick catchbasins; 80 lin. ft. 10-in., 160 lin. ft. 12-in. and 30 lin. ft. 15-in. sewers; 10, 12-in. wye branches and 1 brick manhole.

A. J. Raisch at $5,320, only bidder, to improve Marston between Edna and Balboa, involving 646 cu. yds. cut; 740 lin. ft. concrete curbs; 4494 sq. ft. artificial stone sidewalks and 9382 sq. ft. asphaltic concrete pavement.

GLENDALE, Cal.—Until 6:30 p. m., Feb. 9, bids will be received by city clerk for laying 1185 ft. 6-in. and 543 ft. 4-in. cast iron water pipe in Dryden and Campbell Sts., pipe to be furnished by city water dept. 1911 Act. A. J. Van Wie, city clerk.

CHICO, Butte Co. Cal.—Until Feb. 15, 8 P. M., bids will be received by the City Trustees for constructing 1,956 ft 6-in. sanitary sewer; estimated cost, $2,500. F. S. Robinson, City Engineer.

SACRAMENTO, Cal.—T. M. Burns 2207 N St., Sacramento, at $12.40 cu. yd. awarded contract by the Supervisors to construct Section 3, Highway 14, known as river road, a distance of 2,058 ft., involving 5,47 cu. yds. concrete. Drury Butler, County Surveyor.

CALIFORNIA—Warren Construction Co. Journal Bldg., Portland, Ore., and Hallo Bldg., San Francisco, at $153,256 (using corrugated metal pipe) awarded contract by State Highway Commission to grade 6.1 miles of highway in Santa Barbara County between Cuyama river and Buckhorn creek. Austin B. Fletcher, Highway Engineer.

GLENDALE, Cal.—Fleming Constr. Co., 105 N. Park Ave., Pomona, awarded contract at $31,155 for improving Howard, Geneva, Doram, Everett and Lexington Sts., involving 5180 lin. ft. grading; 90,990 sq. ft. oil surfacing; 86,700 sq. ft. 3-in. oil macad.; 45,000 sq. ft. walk and laying 2985 ft. 4-in. C. I. pipe.

SAN DIEGO, Cal.—Geo. R. Daley, Owl Drug Bldg., submitted $42,239.55 for improving Ft. Stockton Dr., Sunset Blvd. and St. James Pl., involving 149,-879.1 sq. ft. 4-in. 1:2:4 concr. base with 1½-in. asph. top; 45,778.2 sq. ft. 4-in. asph. concr.; 1064.9 ft. curb, etc. Fairchild-Gilmore-Wilton Co. of Los Angeles, submitted only other bid at $48,-083.03. Bids referred to City Manager F. A. Rhodes.

PHOENIX, Ariz.—The advertisement for bids for constructing 160 mi. of road to complete county highway system under $4,500,000 bond issue has been cancelled by Maricopa Co. highway commission on account of litigation.

SANTA CRUZ, Santa Cruz Co., Cal.—L. J. Byrne, Santa Cruz, at $706 awarded contract by council to construct 673.26 ft. 6-in. vit. sewer, 3 br. manholes and 24 wyes in portions of Curtis and Coulson avenues. Other bidders: T. F. Costella, $886; L. T. McFadden, $857; Greenfield Bros., $785. James K. James, city engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—City Engineer James K. James preparing spec. for 5-in. conc. pavement in Kirby St., bet. Davis and King; work to be done by private contract.

ROSEVILLE, Placer Co., Cal.—City Trustees propose to purchase privately owned water system or to build new water works. Engineers Olmsted & Gillelen, Balboa Bldg., San Francisco, have been commissioned to appraise the local system and prepare estimates of cost of constructing new works.

SANTA FE, N. M.—Acting under a constitutional amendment authorizing a bond issue of $2,000,000 for road purposes without submitting same to people of New Mexico, Gov. M. C. Mechem announces he has authorized an issue of $1,000,000 for construction of federal aid roads. The state treasurer has been instructed to print and sell the bonds.

RICHMOND, Contra Costa Co., Cal.—Feb. 28 is date set in San Pablo Sanitary District to vote bonds of $45,000 to finance construction of sewer, involving 570 lin. ft. 6-in., 1,070 lin. ft. 8-in., 2,200 lin. ft. 10-in., 4,600 lin. ft. 15-in., 1,420 lin. ft. 21-in. and 5,250 lin. ft. 24-in. vitrified sewer; 45 manholes. Ross L. Calfee, 221 S 22nd St., Richmond, engineer for district.

PORTLAND, Ore.—City Engineer O. Laurgaard completes spec. to improve Foester road bet. 50th and 72nd Sts.; to be 90-ft. wide; est. cost $214,028.

LOS ANGELES, Cal.—Until 10 a. m., April 10, 1922, bids will be received by board of public works for constructing the Arroyo de la Sacatella storm sewer, which is estimated to cost approximately $2,500,000. Proceedings are under the Vrooman Act. The district embraces about 16 sq. mi. in Hollywood and the western part of the city. Main lines, not including connections to catch basis, will total about 80,678.71 ft., part of which will be monolithic reinf. concr. and part reinf. concr. pipe.

Approximate quantities of monolithic drains are as follows: 6 ft. 3-in. diameter, 2389.9 ft., 6 ft., 6-in., 600 ft. 6 ft 9-in., 797.07 ft.; 7 ft., 2453.46 ft.; 7 ft. 2 in., 1492.84 ft., 8 ft., 2557.19 ft. Reinforced concr. pipe: 6 ft. diameter, 4485.44 ft.; 5 ft. 6 in., 2007 ft. 5 ft. 3 in., 6023.64 ft.; 5 ft., 4345.98 ft.; 4 ft. 9 in., 678 ft.; 4 ft. 6 in., 3750.3 ft., 4 ft. 3-in., 3414.68 ft., 4 ft. 1651.86 ft., 3 ft., 9 in., 3605.86 ft.; 3 ft. 6 in., 2203.63 ft.; 3 ft. 3 in., 4947.55 ft.; 3 ft., 1575.76 ft.; 33 in., 1187.81 ft.; 30 in., 3896.29 ft.; 27 in., 1991.29 ft.; 24 in., 3416.53 ft.; special sections—A, 1919.04 ft.; B, 2132.28 ft.; C, 4938.17 ft.; D, 1491.52 ft.; E, 671.73 ft.; F, 5864.05 ft.; G, 1144.33 ft.; H, 1368.05 ft.; I, 785.98 ft.

Other items are: 9 manholes and 2 flush tanks for sanitary sewer; 50 ft. of 30-in. brick and concr. sewer; 92 ft. 15-in., 1269 ft. 8-in., 3629 ft. 6-in. clay pipe; 176 ft. 6-in. cast iron pipe; 57 chimneys; 1 reinf. concr. culvert; 196 ft. underpinning culvert; 49 type W, 25 types, 22 type R. 49 type U and 11 special manholes; 183 type No. 17, 137 type No. 18. 49 type No. 19, 40 type No. 21 and 6 type No. 22 catch basins.

Street remodeling requires 81,732 sq. ft. grading and oiling, 19,749 sq. ft. concr. paving, 467 sq. ft. Warrenite paving, 50,340 sq. ft: asph. paving, 11,-250 sq. ft. filling to grade, 11,693 sq. ft. concr. gutter, 7548 sq. ft. cem. walk and 2298 lin. ft. curb.

Trench resurfacing requires 311,692 sq. ft. rock and oil, 1141 sq. ft. concr. paving, 41,692 sq. ft. Warrenite paving; 280,319 sq. ft. asph. paving; 1112 sq. ft. bitulithic paving, 282 sq. ft. concrete gutter, 6454 sq. ft. walk and 913 ft. curb.

BUSINESS OPPORTUNITIES

William E. Ewing, 307 Jacob street, Troy, N. Y., wishes to arrange for a distributor to handle the sale of a line of electric laundry machinery.

M. & S. Manufacturing Co., Louisville road and Stiles avenue, Savannah, Ga., would like to get in touch with wholesale dealers in auto accessories, hardware and plumbing supplies in San Francisco.

L. J. Call, 459 Ninth street, Niagara Falls, N. Y., wishes to communicate with manufacturers of show cases and display fixtures.

Guard Motor Signal Co., 1708 East Thirty-eighth street, Cleveland, Ohio, wishes to get in touch with a San Francisco firm equipped to distribute an automobile accessory.

Aurora Automotive Products Co., Aurora, Ill., desires to communicate with manufacturers' agents with a view to securing representation in this city.

U. S. Lock Nut Corp., 319 West Ohio street, Chicago, Ill., desires to arrange for a representative to act in a sales capacity in this market.

Eastern Automotive Service Co., 807 North Broad street, Philadelphia, Pa., desires to communicate with San Francisco firms dealing in ball and roller bearings for automobiles.

Henry Russell, Molalla, Ore., is in the market for machinery used in drying prunes.

OFFICIAL PROPOSALS

(Continued from Page 151)

BIDS WANTED FOR CONSTRUCTION OF POST OFFICE

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 26, 1922.—SEALED PROPOSALS will be opened in this office at 3 P. M., March 6, 1922, for the construction of the United States Post Office and Court House at Globe, Arizona. Drawings and specifications may be obtained from the Custodian of site at Globe Arizona, or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Advance Construction Reports

Larsen Construction Reports, issued every business day of the year, furnishes information as to contemplated construction projects of all kinds, covering the State of California.

If you want to know when Architects and Engineers are preparing plans or taking figures for materials and for construction, we supply the information.

BUILDING REPORT SERVICE covers every class of building.

ENGINEERING REPORT SERVICE covers bridges, dams and harbor work; street, sewer and highway projects; irrigation works, machinery, fire equipment, etc.

Sample copies furnished on request. State character of construction in which you are interested.

Larsen Construction Reports

560 Mission Street **San Francisco, Calif.**

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

$2,500 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
333	Bernhardt	Owner	3000
334	Johnson	Owner	40000
335	Helbush	Ball	27000
337	S F Examiner	Lowe	4200
340	Basile	Mangels	5000
341	Sale	Meyer	5800
344	Voorhies	Voorhies	10500
345	Same	Same	19000
346	Rouda	Jensen	51440
347	Baldwin	Nelson	9000
348	Tilhon	Farnocchia	10230
349	Homes	Mangels	7832
350	Sieroty	Monson	10000
352	York	Owner	15000
353	Basye	Hock	6000
355	West	———	16000
357	Baldwin	Nelson	5000
359	Bank of Italy	Owner	60000
360	Veyhle	Owner	22000
361	Nelson	Owner	4000
362	Same	Same	3000
363	Same	Same	4000
364	Same	Same	4000
366	Harris	Weintraub	3800
369	Hunt	Helbing	60000
373	Holmgren	Bjorkman	3000
374	Okeson	Bjorkman	3000
375	Hansen	Otten	6050
379	Exchange	Brass	1696
380	Scheier	Hansen	8679
381	Epp	Nelson	20000
382	Keller	Little	5600
391	Schagen	Owner	7500
392	Hallgren	Warden	9000
393	Theobald	Thunberg	3500
394	Fay	Fay	9500
396	Orrin	Owner	14000
397	Andersen	Owned	12000
398	Ijul	Owner	10000
399	Fleischmann	Hansen	13500
400	O'Connor	Barrett	18000
401	Vittori	Byrnes	——
402	White	Ostlund	7500
403	Pinkerton	Wagner	12000
404	Hofler	Blum	2100
405	Keller	Little	5000
406	Lindeman	Lindeman	4250
407	Anderson	Owner	11600
408	West	Owner	30000
409	Putney	Lundquist	3000
410	Basile	Mangels	6856
411	Cohn	Jensen	51440
412	Lindeman	Lindeman	4500
413	Bridgford	Miller	4630
415	Janssen	Owner	6500
416	Leigh	Owner	8000
417	Pacific	Dyer	50000
418	Sullivan	Cohn	9400
421	Donnelly	Anderson	6000
422	Parkside	Owner	4000
423	Same	Same	4000
424	Schwarz	Owner	3600
425	Janssen	Owner	3500
426	Hansen	Owner	12000
428	Taylor	Madden	2800
429	Kluge	Knabenshuh	3217
430	Straub	Knabenshuh	6755
431	Rehberg	Nelsh	2250
432	Cohen	Hansen	7005
433	Klute	Meyer	18000
434	Aronson	Denis	7500
435	Cohen	Owner	10000
437	Seeley	Owner	1000
438	Fochi	Owner	4000
439	Hickman	Mangels	4000
442	McLean	McLean	4800
443	Hoffman	Wilson	8236
444	Anderson	Meyer	22546
445	Tucker	Lynch	2915
446	Gock	Mager	4765
447	Hanretty	Meyer	13817
449	Nasser	Cohn	8640
450	Hubanks	Hardy	11500

PERMITS

DWELLING

(333) W COLLINGWOOD 247 S 19th. One-story and basement frame dwelling.
Owner—Bernhardt & Perena, 4440 20th St., San Francisco.
Architect—None.
Day's work. $3000

APARTMENTS

(334) S GEARY 68-9 W Leavenworth Five-story and basement concrete (25) apartments.
Owner—Chas. A. Johnson, 36 Steiner St., San Francisco.
Architect—None.
Day's work. $40,000

APARTMENTS

(335) NE LAKE AND TWENTY-seventh Ave. Three-story and basement frame (6) apartments.
Owner—Fred H. Helbush, 3962 Clay St., San Francisco.
Architect—None.
Contractor—J. F. Ball, 120 Fourth Ave., San Francisco. $27,000

ALTERATIONS

(337) THIRD AND MARKET. Rearrange partitions; marble floors; change store front entrance.
Owner—S. F. Examiner, Premises.
Architect—None.
Contractor — Jack Lowe, — Howard St., San Francisco. $4200

STORE & FLAT

(340) S OCEAN AVE 51.77 E Capitol. Two-story frame store and flat.
Owner—Giuseppe Basile, 1027 Capitol Ave., San Francisco.
Architect—Theo. W. Lenzen, 706 Humboldt Bank Bldg., San Francisco.
Contractor—Mangels Bros., 180 Jessie St., San Francisco. $5000

DWELLING

(341) E TWENTY-THIRD AVE — S Cabrille Two-story and basement frame dwelling.
Owner—W. H. Sale, 381 25th Ave., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $5800

RECORDED

DWELLING

(344) W FOURTEENTH AVE 264 S Anza. All work for two-story frame dwelling.
Owner—Voorhies Newman Co., 50 Divisadero St., San Francisco.
Architect—Wm. Gunnison, 1666 Golden Gate Ave., San Francisco.
Contractor—W. R. Voorhies, 50 Divisadero St., San Francisco.
Filed Jan. 27, '22. Dated Jan. 26, '22.
On completion $10,000
TOTAL COST, $10,000
Bond, none. Limit, 120 days. Forfeit, plans and specifications, none.
NOTE—Permit reported Jan. 14, 1922 1922. No. 145.

DWELLING

(345) W FOURTEENTH AVE 289 S Anza. All work for two-story frame dwelling.
Owner—Voorhies Newman Co., 50 Divisadero St., San Francisco.
Architect—Wm. Gunnison, 1666 Golden Gate Ave., San Francisco.
Contractor—W. R. Voorhies, 50 Divisadero St., San Francisco.
Filed Jan. 27, '22. Dated Jan. 26, '22.
On completion $10,000
TOTAL COST, $10,000
Bond, none. Limit, 120 days. Forfeit, plans and specifications, none.

APARTMENTS

(346) S GEARY 186-3 W Leavenworth W 48-9xS 137-6. All work except mason work, elevator-wiring, plumbing, painting, heating, fire escapes, ornamental iron, wall beds, stoves, incinerator, lighting fixtures and shades for five-story brick apartment building.
Owner—S. Rouda, 40 Powell St., San Francisco.
Architect—Sylvain Schnaittacher, 237 Post St., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
Filed Jan. 27, '22. Dated Jan. 18, '22.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $51,440
Bond, $25,720. Sureties, Jno. A. Grennan and Geo. W. Hooper. Limit, 150 days. Forfeit, none. Plans and sepcifications filed.

BUNGALOW

(347) LOT 28 BLK 3176 Westwood Park. All work for one-story and basement bungalow.
Owner—Baldwin & Howell, 318 Kearny St., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Jan. 27, '22. Dated Jan. 25, '22.
Enclosed $2250
Brown coated 2250
Completed and accepted..... 2250
Usual 35 days..... 2250
TOTAL COST, $9000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

APARTMENT BUILDING

(348) S EIGHTEENTH 150 E Noe 25x114. All work except plumbing, lighting fixtures and shades for a two-story and basement frame apartment building.
Owner—Mrs. Pauline Tilhon, % Architects.
Architect—Perseo Righetti & Benj. S. Hirschfeld, 12 Geary St., San Francisco.
Contractor—Farnocchia & Co., 1814 Powell St., San Francisco.
Filed Jan. 27, '22. Dated Jan. 23, '22
Second story joists set.....$1918.00
Enclosed and roofed over.... 1918.00
Brown coated 1918.00
Completed and accepted.... 1918.50
Usual 35 days..... 2557.50
TOTAL COST, $10,230
Bond, $5,115. Sureties, G. Mosca and L. Lombardi. Limit, 90 days. Forfeit, $10 day. Plans and specifications filed.

DWELLING

(349) LOT 17 BLK 16, St. Francis Wood Extension No. 2. All work for two-story and basement frame dwelling.
Owner—Homes Loan Corporation.
Architect—J. K. Balantine.
Contractor—Mangels Bros., 4792 Mission St., San Francisco.

Filed Jan. 27, '22. Dated Jan. 24, '22.
Frame up $1958
Brown coated 1958
Completed and accepted..... 1958
Usual 35 days..... 1958
TOTAL COST, $7832
Bond, $3916. Sureties, Theresa Gamma and Jno. A. F. Steimke. Limit, 50 days. Forfeit, none. Plans and specifications filed.

SHOP
N PACIFIC 127 W Larkin. One-story concrete shop.
Owner—A. Livenais, % Architect.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—F. L. Hansen. $10,000

RESIDENCE
(350) E ARGUELLO BLVD. 100 N California. Two-story and basement frame residence.
Owner—S. Sieroty, 2854 Sacramento St., San Francisco.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco. $10,000

FACTORY
(352) SE HARRISON AND TWENTY-first. One-story brick factory.
Owner—York Realty Co., 40 Montgomery, San Francisco.
Architect — W. L. Schmolle, 40 Montgomery St., San Francisco.
Day's work. $15,000

STORES
(353) N BUSH 206-3 W Mason. One-story brick (3) stores.
Owner—Mrs. B. Basye.
Architect—None.
Contractor—Chas. Hock, 180 Jessie St., San Francisco. $6000

GARAGE
(355) E FILLMORE 30 S Page. One-story brick garage.
Owner—Aphra West, San Rafael.
Architect—F. S. Holland, 1629 Folsom St., San Francisco.
Day's work $16,000

DWELLING
(357) SE MIRAMAR AVE & WILDwood Way. One-story and basement frame dwelling.
Owner—Baldwin & Howell, 318 Kearny St., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., S. F. $5000

BANK
(359) SW NINTH AVE & CLEMENT. One-story reinforced concrete bank
Owner—Bank of Italy, Clay and Montgomery Sts., San Francisco.
Architect—W. D. Shea, 527 Chronicle Bldg., San Francisco.
Day's work. $60,000

APARTMENTS
(360) S UNION 125 E Van Ness. Three story and basement frame (12) apartments.
Owner — Veyhle & Collins and F. Barg, 547 Brannan St., S. F.
Designer—Owner.
Contractor — Veyhle & Collins, 547 Brannan St., S. F. $22,000

DWELLING
(361) W COLON 114 S Monterey Blvd. One-story and basement frame dwelling.
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Day's work. $4000

DWELLING
(362) W PLYMOUTH AVE 49 S Wildwood. One-story and basement frame dwelling.
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Day's work. $3000

DWELLING
(363) W VALDEZ 130 N Greenwood Ave. One-story and basement frame dwelling.
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Day's work. $4000

DWELLING
(364) W VALDEZ 88 S Montecito. One-story and basement frame dwelling.
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Day's work. $4000

DWELLING
(366) S CABRILLO 107-6 E 12th Ave. One-story and basement frame dwelling.
Owner—Mrs. F. L. Harris, 838 Cabrillo St., San Francisco.
Architect — H. E. Harris, 815 Balboa St., San Francisco.
Contractor—S. Weintraub, — 4th Ave., San Francisco. $3800

APARTMENTS
(369) NE GEARY AND HYDE. Six-story and basement brick and steel (32) apartments.
Owner—M. A. Hunt, 150 7th St., S. F.
Plans by Owner.
Contractor—Wm. Helbing, Agent and Supt. of Bldg., 517 Hayes St., San Francisco. $60,000

DWELLING
(373) N LAIDLEY 75 W Mateo. One-story and basement frame dwlg.
Owner—Victor Holmgren, 3214 Mission St., San Francsico.
Architect—None.
Contractor — Victor Bjorkman, 3214 Mission St., San Francisco. $3000

DWELLING
(374) NW MATEO AND LAIDLEY. One-story and basement frame dwelling.
Owner—T. Okeson, 54 Alvarado St., San Francisco.
Architect—None.
Contractor — Victor Bjorkman, 3214 Mission St., San Francisco. $3000

DWELLING
(375) E SANTA ROSA 97 N Lopez. One-story and basement frame dwelling.
Owner—Mrs. J. B. Hansen, 508 8th Ave., San Francisco.
Architect—None.
Contractor—H. P. Otten, 131 10th Ave., San Francisco. $6050

RECORDED

ALTERATIONS
(379) NO. 115 STOCKTON. Carpenter and cabinet work for alterations and additions to store front.
Owner—The Exclusive Cutlery Shop., Premises.
Designer—H. P. Vollmer, Flood Bldg., San Francisco.
Contractor—Braas & Kuhn Co., 1911 Bryant St., San Francisco.
Filed Jan. 30, '22. Dated Jan. 24, '22.
On 15th and 30th of each month 75%
TOTAL COST, $1696
Bond, none. Limit, 30 days. Forfeit, none. Plans and specifications filed.

FLATS
(380) N BALBOA 77-6 W 15th Ave. 25x100. All work except plumbing, electric wiring, mantels, electric fixtures, window shades, painting and gas heaters for two-story frame flats.
Owner—Harold Scheier and Wife.
Architect—Eric J. Osborne, 821 Balboa Bldg., San Francisco.
Contractor—H. J. Hansen, 180 Jessie St., San Francisco.
Filed Jan. 30, '22. Dated Jan. 27, '22.
Frame up and roof finished....$2169
Interior brown coated and exterior scratch coated..... 2169
Completed and accepted..... 2169
Usual 35 days..... 2172
TOTAL COST, $8675
Bond, $4350. Sureties, E. Ellingson and Walter E. Hansen. Limit, 90 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
(281) SW GEARY AND SECOND AVE. 32-6x100. All work except tinning, chimneys and electrical fixtures for two-story frame building (store and apartments).
Owner—I. Epp, 3801 Geary St., San Francisco.
Architect—None.
Contractor—Emil Nelson, 4835 Geary St., San Francisco.
Filed Jan. 30, '22. Dated Jan. 20, '22.
Frame up $5000
Brown coated 5000
Completed and accepted..... 5000
Usual 35 days..... 5000
TOTAL COST, $20,000
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

DWELLING
(282) E SIXTEENTH AVE 35 N Judah N 25xE 100. All work except wall paper and hot water heater for One-story and basement frame dwelling.
Owner—Harold A. and Ruth E. Keller, 1155 Leavenworth St., S. F.
Architect—M. W. Morrison, 716 41st Ave., San Francisco.
Contractor—John Little, 1035 Lincoln Way, San Francisco.
Filed Jan. 30, '22. Dated Jan. 30, '22.
Rough frame up.....$1400
Rough plastered and roof on.. 1400
Completed and accepted..... 1400
Usual 35 days..... 1400
TOTAL COST, $5600
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FLATS
(391) E TWELFTH AVE 150 S Cabrillo. Two-story and basement frame (2) flats.
Owner—B. Schagen, 437 18th Ave., San Francisco.
Architect—Harry J. Larsen, 2179 Grove St., San Francisco.
Day's work. $7500

FRAME FLATS
(392) E TWELFTH AVE 175 S Geary. Two-story and basement frame (2) flats.
Owner—August Haligren, 311 Hayes St., San Francisco.
Architect—None.
Contractor—Fred Warden, 68 Concord St., San Francisco. $9000

DWELLING
(393) W TWENTY-FOURTH AVE 200 S Geary. One-story and basement frame dwelling.
Owner—Frank W. Theobald, 490 9th Ave., San Francisco.
Architect—None.
Contractor—Oscar Thunberg, 678-A 9th Ave., San Francisco. $3500

FRAME FLATS
(394) W TWENTIETH AVE 150 N Clement. Two-story and basement frame (2) flats.
Owner—Mary F. Fay, 325 19th Ave., San Francisco.
Architect—John J. Foley, 770 5th Ave., San Francisco.
Contractor — M. Fay, 325 19th Ave., San Francisco. $9500

FRAME FLATS
(396) SE BALBOA AND SEVENTH Ave. Two-story and basement frame (4) flats.
Owner—Orrin Knox, 624 7th Ave., San Francisco.
Architect—None.
Day's work. $14,000

FRAME FLATS
(397) SE CALIFORNIA & TWENTY-sixth Ave. Two-story and basement frame (4) flats.
Owner—Anderson Bros. and Sellman, 240 Dolores St., San Francisco.
Architect—None.
Day's work. $12,000

STORE
(398) N MISSION 129-3 W Ninth. One-story and basement reinforced concrete store.
Owner—J. H. Hjul, 830 Monadnock Bldg., San Francisco.
Engineer—J. H. Hjul, 850 Monadnock Bldg., San Francisco.
Day's work. $10,000

FACTORY
(399) TWENTY-THIRD AND MINnesota. One-story brick shipping department for factory.
Owner—The Fleischmann Co. of Calif., 941 Mission St., San Francisco.
Architect—W. G. Merchant, 806 Masonic Ave., San Francisco.
Contractor—A. W. Hansen, 180 Jessie St., San Francisco. $18,000

UNDERTAKING PARLOR.
(400) SE VALENCIA AND STABLE Alley. Two-story frame undertaking parlor.
Owner—J. C. O'Connor Co., Humboldt Bank Bldg., San Francisco.
Architect—A. I. Coffey, Humboldt Bk. Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $18,000

DWELLING
(401) W FORTY-FIRST AVE 75 N Cabrillo. One-story and basement frame dwelling.
Owner — Ercale Vittori, 3820 Mission St., San Francisco.
Architect—None.
Contractor — T. J. Byrnes, 47 College Ave., San Francisco. $——

ALTERATIONS
(402) NW GOLDEN GATE AVE AND Larkin. Erect plaster partitions and cement floors in 6 stores.
Owner—White Lunch Co., 122 Kearny St., San Francisco.
Architect—None.
Contractor — Ostlund & Johnson, 1901 Bryant St., San Francisco. $7500

SHOP
(403) S HOWARD 225 W Fifth. One-story brick plumbing shop.
Owner—James H. Pinkerton Co., 180 Jessie St., San Francisco.
Architect—None.
Contractor—George Wagner, 251 Kearny St., San Francisco. $12,000

DWELLING
(404) S SWEENEY 75 E Merrill. One-story and basement frame dwelling.
Owner—Chas. Hoffer, 175 Sweeney St., San Francisco.
Architect—None.
Contractor — Joe Blum, 212 Silliman St., San Francisco. $3100

RESIDENCE
(405) E SIXTEENTH AVE 35 N Judah One-story and basement frame residence.
Owner—Harold A. Keller, Mills Bldg., San Francisco.
Architect — Milton Morrison, 716 41st Ave., San Francisco.
Contractor—John Little, 1035 Lincoln Way, San Francisco. $5000

RESIDENCE
(406) W TWENTY-SEVENTH AVE 200 N Geary. One-story and basement frame residence.
Owner—H. O. Lindeman, 232 Anza St., San Francisco.
Designer—W. R. Lindeman, 530 Balboa St., San Francisco.
Contractor—W. R. Lindeman, 530 Balboa St., San Francisco. $4250

DWELLINGS
(407) W TWENTY-SECOND AVE 150 and 175 N Fulton. Two two-story and basement frame dwellings.
Owner—A. V. Anderson, 595 21st Ave., San Francisco.
Architect—None.
Day's work. $5800 each

APARTMENTS
(408) S WASHINGTON 151 E Van Ness Ave., Three-story and basement frame (11) apartments.
Owner—T. M. W. and Mary West, 1244 Church St., San Francisco.
Architect—Grace Jewett, 57 Post St., San Francisco.
Day's work. $30,000

RECORDED

ALTERATIONS
(409) N OAK 150 W Broderick W 25 x N 120. Moving, alterations, additions. Building to be moved from 1324 and 1326 Grove St.
Owner—G. N. Putney, 1069 Oak St., San Francisco.
Architect—None.
Contractor—Karl E. Lundquist and C. A. Olsen, 4009 26th St., San Francisco.
Filed Jan. 31, '22. Dated Jan. 3, '22
Building moved $950
Foundation and rustic in place.. 400
Stairs, porches, plumbing, roof windows, plastering done... 900
Completed and accepted..... 450
20 days after..... 300
TOTAL COST, $3,000
Bond, surety, limit, forfeit, none. Plans and specifications filed.

BUILDING
(410) S OCEAN AVE 51.77 S Capitol Ave., lot 11 blk. 16 Lakeview. All work for a two-story frame building.
Owner—Giuseppe Basile, 1027 Capitol Ave., San Francisco.
Architect—Theo. W. Lenzen, Humboldt Bank Bldg., San Francisco.
Contractor—Mangels Bros., 180 Jessie St., San Francisco.
Filed Jan. 31, '22. Dated Jan. 3, '22
Frame up $1,600
Enclosed and brown coated.... 1,828
Completed and accepted..... 1,714
36 days after..... 1,714
TOTAL COST, 6,856
Bond, $3428; sureties, Jno. A. F. Steimke and Theresa Gamnia. Limit, 60 days. Forfeit, none. Plans and specifications filed.

APARTMENT BUILDING
(411) S GEARY 137-6 W Leavenworth W 48-9xS 137-6. All work except mason work, elevator, wiring, plumbing, painting, plaster, heating, fire escapes, ornamental iron, lighting fixtures and shades for a Class C apartment building.
Owner—M. Cohn.
Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.
Contractor—G. P. W. Jensen.
Filed Jan. 31, '22. Dated Jan. 18, '22
Monthly payments 75%
Usual 35 days.....25%
TOTAL COST, 51,440
Bond, surety, limit, forfeit, none. Plans and specifications filed.

BUNGALOW
(412) W TWENTY-SEVENTH AVE 225 N Geary N 25xW 120. All work for one-story bungalow.
Owner—H. O. Lindeman, 232 Anza St., San Francisco.
Architect—None.
Contractor—W. R. Lindeman, 520 Balboa St., San Francisco.
Filed Jan. 31, '22. Dated Jan. 16, '22.
Frame up and enclosed.....$1125
Rough plastered 1125
Completed 1125
Usual 35 days..... 1125
TOTAL COST, $4500
Bond, limit, forfeit, none. Plans and specifications filed.

ALTERATIONS
(413) W WEBSTER 75 N Sutter N 66.04xW 100. Alterations and additions to three-story frame bldg.
Owner—E. A. Bridgford, 519 California St., San Francisco.
Architect—T. Paterson Ross, 810 California St., San Francisco.
Contractor—Fred Miller, 225 Dolores St., San Francisco.
Filed Jan. 31, '22. Dated Jan. 24, '22
Ready for plaster.....$1100
Standing finish on..... 1100
Completed and accepted..... 1270
Usual 35 days..... 1160
TOTAL COST, $4,630
Bond, $2315. Sureties, F. E. Almquist and P. J. Sullivan. Limit, forfeit, none. Plans and specifications filed.

FRAME FLATS
(415) S BALBOA 102-6 E Sixteenth Ave. Two-story and basement frame (2) flats.
Owner — E. A. Janssen, 402 Hearst Bldg., San Francisco.
Architect—None.
Day's work. $6500

FRAME FLATS
(416) S CALIFORNIA 31-6 W 20th Ave. Two-story and basement frame (2) flats.
Owner—David Leigh, 840 44th Ave., San Francisco.
Architect—None.
Day's work. $8000

MFG. PLANT
(417) MISSION AND OTIS. Two-story steel frame light manufacturing plant.
Owner—Pacific Embroidery Co., Room 912, 110 Sutter St., San Francisco.
Architect—Albert W. Burgren, 110 Sutter St., San Francisco.
Contractor—Dyer Bros., et al $50,000

STORES
(418) S O'FARRELL 37-6 E Jones. One-story and basement concrete stores.
Owner—Walter H. Sullivan, 759 Pacific Bldg., San Francisco.
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.
Contractor—Louis J. Cohn, 110 Sutter St., San Francisco. $9400

FRAME FLATS
(421) W SIXTEENTH AVE 200 S Anza Two-story and basement frame (2) flats.
Owner—J. A. Donnelly, 579 16th Ave., San Francisco.
Architect—None.
Contractor—O. E. Anderson, 483 15th Ave., San Francisco. $6000

DWELLING
(422) W THIRTY-FOURTH AVE. 275 N Ulloa. One-story and basement frame dwelling.
Owner—Parkside Realty Co., 617 Crocker Bldg., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Day's work. $4000

DWELLING
(423) W THIRTY-THIRD AVE. 100 N Ulloa. One-story and basement frame dwelling.
Owner—Parkside Realty Co., 617 Crocker Bldg., San Francisco.

Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Day's work. $4000

DWELLINGS
(424) W TWENTY-SEVENTH AVE. 150 and 175 N Geary. Two 1-story and basement frame dwellings.
Owner—C. Schwarz, 1440-A Hyde St., San Francisco.
Architect—None.
Day's work. $1800 each

DWELLING
(425) E TWENTIETH AVE. 125 N Fulton. One-story and basement frame dwelling.
Owner—E. A. Janssen, 402 Hearst Bldg, San Francisco.
Architect—None.
Day's work. $3500

DWELLINGS
(426) E VALDEZ 82, 122 and 162 N Greenwood. Three 1-story and basement frame dwellings.
Owner—Walter E. Hansen, 2235 Market St., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Day's work. $4000 each

DWELLING
(428) NW OAKDALE 200 E Mendell. One-story and basement frame dwelling.
Owner—Chas. Taylor, 1442 Oakdale Ave., San Francisco.
Architect—None.
Contractor—P. H. Madden, 1527 Jerrold Ave., San Francisco. $2800

RECORDED

STORE BUILDING
(429) S OCEAN AVE. 25 E Capitol Ave. E 25.88 S 122.6 W 25 N 129.3. All work for a store building.
Owner—George Kluge.
Architect—None.
Contractor—Knabenshuh & Morrison, 180 Jessie St., San Francisco.
Filed Feb. 1, '22. Dated Jan. 27, '22
Frame up $800.00
Plaster completed 800.00
Building Completed 800.00
Usual 35 days..... 817.50
TOTAL COST, 3217.50
Bond, none. Limit, 60 days. Forfeit, plans and specifications, none.

FRAME BUILDING
(430) S OCEAN AVE. 25 W Miramar Ave. N 25.88 S 114.1 E 25 N 107.4. All work for frame building.
Owner—F. J. Straub, 1501 Ocean Ave., San Francisco.
Architect—Walter H. Parker, 57 Post St., San Francisco.
Contractor—Knabenshuh & Morrison, 180 Jessie St., San Francisco.
Filed Feb. 1, '22. Dated Dec. 16, '22
Monthly payments 75%
Usual 35 days.....25%
TOTAL COST, $6,755
Bond, limit, forfeit, none. Plans and specifications filed.

BUILDING
(431) LELAND AVE. All work for building.
Owner—Frank and Amelia Rehberg, Rutland St., San Francisco.
Architect—None.
Contractor—Jas. G. Neish, 627 Sunnyside Ave., San Francisco.
Filed Feb. 1, '22. Dated Feb. 1, '22
Frame up and rough plumbing in $562.50
Roof finished, plaster finished and electric wiring roughed in 562.50
Completed and accepted..... 562.50
Usual 35 days..... 562.50
TOTAL COST, $2250
Bond, none. Limit, 45 days. Forfeit, ulans and specifications, none.

BATTERY STATION
(432) SE GEARY AND SEVENTH Ave E 57-6xS 100. All work for one-story frame battery service station.
Owner—Ida A. Cohen, Hobart Bldg., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Fred L. Hansen, 251 Kearny St., San Francsico.
Filed Feb. 1, '22. Dated Jan. 18, '22.
Frame up $1750
Roof on and exterior finished.. 1750
Completed and accepted..... 1750
Usual 35 days..... 1750
TOTAL COST, $7000
Bond, $3750. Sureties, Ella M. Hansen and A. H. Lustig. Limit, 90 days. Forfeit, $10. Plans and specifications filed.

FRAME FLATS
(433) W TWENTY-SECOND AVE 125 and 150 S Anza. All work for two two-story frame buildings (flats).
Owner—Wm. Klute, 489 Haight St., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.
Filed Feb. 1, '22. Dated Jan. 24, '22.
Frame up $4500
Brown coated 4500
Completed 4500
Usual 35 days..... 4500
TOTAL COST, $18,000
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

PAINTING
(434) NE NEW MONTGOMERY AND Mission. Painting and tinting on Crosley Building.
Owner—A. Aronson, L. Metzger and L. Schoenberg.
Architect — Mel. I. Schwartz, Nevada Bank Bldg., San Francisco.
Contractor—J. St. Denis & Co., 1045 Sutter St., San Francisco.
Filed Feb. 1, '22. Dated Jan. 17, '22.
5th and 6th floors completed..$1500
4th floor completed..... 1500
3rd floor completed..... 1500
Completed and accepted..... 1500
Usual 35 days..... 1500
TOTAL COST, $7500
Bond, none. Limit, 60 days. Forfeit, plans and specifications, none.

FRAME FATS
(435) W EIGHTEENTH AVE 225 N Cabrillo. Two-story and basement frame (2) flats.
Owner—A. Cohen and Sid Spearin, 553 Bryant St., San Francisco.
Architect—W. L. Schmolle, 40 Montgomery St., San Francisco.
Day's work. $10,000

DWELLING
(438) S TWENTY-FIRST 24 W Diamond. Two-story and basement frame dwelling.
Owner—Joe Fochi, 4105 21st St., San Francisco.

JOOST BROTHERS
Builders' Hardware
Tools, Etc.
(Members Builders' Exchange)
1053 MARKET ST.
Phone Market 891 San Francisco

Architect—None
Day's work $4000

RESIDENCE
(439) S TERRACE DRIVE 168 W Santa Clara Ave. Two-story and basement frame residence.
Owner—R. D. Hickman, 278 Post St., San Francisco.
Architect—J. K. Ballantine, 278 Post St., San Francisco.
Contractor—Mangels Bros., 4732 Mission St., San Francisco. $4000

RECORDED

BUNGALOW
(442) W SEVENTEENTH AVE 275 N Fulton 25x120. All work except patented chimneys, plumbing, finish hardware, shades and lighting fixtures for six-room frame bungalow
Owner—A. M. McLean, 761 17th Ave., San Francisco.
Architect—None.
Contractor—R. A. McLean, 180 Jessie St., San Francisco.
Filed Feb. 2, '22. Dated Jan. 30, '22.
Frame up $1200
Brown coated 1200
Completed 1200
Usual 35 days..... 1200
TOTAL COST, $4800
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(443) N GREEN 117-6 E Steiner E 25 xN 137-6. All work for two-story and basement frame dwelling.
Owner — Marie Hoffmann, 2264 Green St. San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Wilson & Benson, 336 Ashton Ave., San Francisco.
Filed Feb. 2, '22. Dated Feb. 1, '22.
Frame up $2059
Brown coated 2059
Completed and accepted..... 2059
Usual 35 days..... 2059
TOTAL COST, $8236
Bond, $4118. Sureties, E. T. Peterson and Chas. Monson. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLINGS
(444) E TWENTY-THIRD AVE 250, 275, 300 and 325 N Fulton. All work for four eight-room dwellings
Owner—Jonathan Anderson, 423 16th Ave., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.
Filed Feb. 2, '22. Dated Jan. 19, '22.
Frames up $5636.50
Brown coated 5636.50
Completed 5636.50
Usual 35 days..... 5636.50
TOTAL COST, $22,546.00
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

ALTERATIONS
(445) SW LARKIN AND CEDAR 30x80. Alterations and additions to two-story and basement Class C building.
Owner—Mrs. R. C. Tucker.
Architect — Andrew H. Knoll, Hearst Bldg., San Francisco.
Contractor—P. J. Lynch & J. A. Bryant 1352 11th Ave., San Francisco.
Filed Feb. 2, '22. Dated Jan. 26, '22.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $2915
Bond, none. Limit, without delay. Forfeit, none. Plans and specifications filed.

BUILDING
(446) NE GUERRERO AND CLINTON Park N 21xE 90. All work except electrical work, lighting fixtures, finish hardware, wall paper and window shades for a one-story and basement frame building.

Owner—Christina Gock, 127 Guerrero St., San Francisco.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
Contractor—Mager Bros., 2448 Bryant St., San Francisco.
Filed Feb. 2, '22. Dated Feb. 2, '22
Frame up $1600
Brown coated 1165
Completed and accepted..... 1600
Usual 35 days..... 1600
TOTAL COST, $4765
Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

STORE AND FLATS
(447) NE TWENTY-SIXTH AVE & Geary E 34-1xN 100. All work for a two-story and basement frame building (store and flats).
Owner—E. Hanretty, Geary and 26th Ave., San Francisco.
Architect—Milton W. Morrison, 716 41st Ave., San Francisco.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.
Filed Feb. 2, '22. Dated Jan. 28, '22
Rough frame up.....$3454
Rough plaster and roof on..... 3454
Completed and accepted..... 3454
Usual 35 days..... 3455
TOTAL COST, $13,817
Bond, none. Limit, 90 days after Feb. 6. Forfeit, none. Plans and specifications, none.

THEATRE
(448) E CASTRO 100 S 17th S 99-9 E 80 S 75-3 E 68 N 175 E 148. Galvanized iron and sheet metal work for New Castro Theatre.
Owner—Nasser Bros.
Architect—Timothy L. Pflueger, Lick Bldg., San Francisco.
Contractor—C. S. Amsler, as Amsler Sheet Metal Works, 25 Shotwell St., San Francisco.
Filed Feb. 2, '22. Dated Dec. 31, '21
Monthly payments 75%
Usual 35 days.....25%
TOTAL COST, $1560
Bond, none. Limit, as soon as necessary. Forfeit, none. Plans and specifications filed.

(449) CARPENTER, MILL, ROUGH hardware, dampproofing and composition borders on above.
Contractor—Louis J Cohn, 110 Sutter St., San Francisco.
Filed Feb. 2, '22. Dated Jan. 23, '22
Monthly payments 75%
Usual 35 days.....25%
TOTAL COST, $8640
Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

FLATS
(450) E TWENTY-FOURTH AVE 225 N Clement N 25xE 120. All work for two-story frame flat building.
Owner—Mary Hubanks.
Architect—A. M. Hardy, 6217 California St., San Francisco.
Contractor—A. M. Hardy, 6217 California St., San Francisco.
Filed Feb. 2, '22. Dated Feb. 1, '22.
Frame up $2875
Brown coated 2875
Completed 2875
Usual 35 days..... 2875
TOTAL COST, $11,500
Bond, none. Limit, 100 days after Feb. 6. Forfeit, none. Plans and specifications filed

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
Feb. 1, 1922—NW PARIS 250 SW Italy Ave. SW 25xNW 100 ptn blk 3 Excel Hd Assn. J. W. Wright & Sons Inv Co. to J C Littlepage .....Jan. 20, 1922
Feb. 1, 1922—E ELEVENTH AVE 250 S California. J. T. Anderson to Theodore C and Rollin E Meyer.. .....Jan. 30, 1922
Feb. 1, 1922—S EMarket 100 E 4th S 170xE 50. Humboldt Svgs Bk to Brockhage Foley Green, California Artistic Metal and Wire Wks and J E Bach Co.....Jan. 26, 1922
Feb. 1, 1922—N GREEN 101-2 E Lyon E 32 N 50 W 3-8 N 75 W 28-4 S 125 to beg, No 2860 Green. Mrs. Alfred J Rich Jr or Helen D Rich to Carl Jess.....Jan. 31, 1922
Feb. 1, 1922—W ASHBURY 133-4 S Grove. W L Hemminga to whom it may concern.....Feb. 1, 1922
Jan. 31, 1922—W THIRTY-FIRST AVE 200 N Clement. Geo W Witbech to whom it may concern.... .....Dec. 23, 1921
Jan. 31, 1922—SE BALBOA and 21st Ave S 25 E 82 S 75 W 82 N 75. Andrew V Anderson to whom it may concern.....Jan. 31, 1922
Jan. 31, 1922—SW SCOTT AND TURK W 27x50. R. F. Morgan to L. Solomon.....Jan. 26, 1922
Jan. 31, 1922—NW MISSION on N Silver Ave and on SE Lisbon. Hebrew Home for Aged Disabled to R W Moller.....Jan. 13, 1922
Jan. 31, 1922—E FILLMORE 25 S Grove S 27-6xE 100. S F and Nellie Thomas to whom it may concern .....Jan. 25, 1922
Jan. 31, 1922—S GEARY 137-6 W Mason S 106xW 137-6. Curran Theater Co. to Central Iron Works .....Jan. 30, 1922
Jan. 26, 1922—W WESTWOOD DRIVE 20 N Lot 7 Blk 3174 S 45 N 82° 51' 26" W 95 N 42.836 S 84° 09' 46" E 95 Ptn Lots 6 and 7 Blk 3174, Westwood Park. G Massagli & Co vs Louis A Bauer $359.91
Jan. 26, 1922—S BUSH 80 W Polk W 30xS 60. J E Higgins Lumber Co vs Harry J King and Bessie King, Wm O Snell (as San Francisco Hardwood Floor Co).....$66
Jan. 30, 1922—NO. 811 CLAY. Leong Kow and D G Chan to D W Ross.. .....Jan. 28, 1922
Jan 28, 1922—E TWENTY-FIRST AV 250 N Geary N 25xE 120. Joseph J Barrett to whom it may concern..—
Jan. 28, 1922—W FOURTEENTH AV 57 N Balboa N 35xW 100. Dr. Morton Hart to Allen & Co..Jan. 17, 1922
Jan. 28, 1922—NW CALIFORNIA & Buchanan W 34-4½xN 132-6. Chas E Higgins to whom it may concern.....Jan. 27, 1922
Jan 28, 1922—SE EIGHTEENTH AV and Anza. Sol F Meyer to Emil Nelson.....Jan. 27, 1922
Jan. 28, 1922—S CLEMENT 100 W Tenth Ave S 50 W 20 S 50 W 30 N 100 E 50. H F Ramacciotti to Louis Fontanella and Mark Teza... .....Jan. 25, 1922
Jan. 26, 1922—S SUTTER 144 W Powell W 44-3 x S 137-6. A. F. Rousseau to whom it may concern .....Jan. 26, 1922
Jan. 27, 1922—SW MONTGOMERY & Bush W 60xS 68-9. Crocker Estate Co to Frederick W Snook Co. Joseph Musto Sons-Keenan Co. Palace Hardware Co and C B Sovig .....Jan. 24, 1922
Jan. 27, 1922—W DIVISADERO 25 S Eddy 25x100. H J Lyons to W Lovell .....Jan. 26, 1922
Jan 27, 1922—S EIGHTEENTH AVE 29-11 W Clement 50x90. Voorhies Newman Co to whom it may concern..... .....Jan 26, 1922
Jan. 27, 1922—S BALBOA 32-6 E 17th Ave. Dr F A Gawthorne to whom it may concern .Jan. 27, 1922
Jan. 27, 1922—W FORTIETH AVE 80, 105 and 130 N Geary. George A Bertram to Theodore G Meyer and Rollin E Meyer....Jan. 26, 1922
Jan. 27, 1922—N GEARY 57-6 W 27th Ave. Nathaniel Thompson to Theodore G and Rollin E Meyer.. .....Jan. 27, 1922
Jan. 27, 1922—E TWENTY-NINTH Ave 175 S Clement. Rector or Wardens of St. Peter's Church by Nathaniel Thompson Sr., Warden to Theodore G and Rollin E Meyer .....Jan. 26, 1922
Jan. 27, 1922—N GROVE 110 E Gough 55x68-9 (machine shop building). Sarah Michaels to Morrow & Garren and J Johnson.....Jan. 25, 1922

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount
Feb. 2, 1922—W WESTWOOD DRIVE 203 N Elmwood Way N 40 W 95 S 38.077 E 95 Ptn Lots 7 and 8 Blk 3174, Westwood Park. H C Corby vs L A Bauer.....$97.87
Jan. 31, 1922—O L BLK bded on E by 21st Ave N by 22nd Ave W by Vicente and S by Wawona. Empire Planing Mill, $650; San Francisco Lumber Co., $328.77 vs. Gaston Pene, Hiram B Cook Jr and Nancy G Cook .....
Jan. 30, 1922—PTN LOTS 6 AND 7 Blk 3174 Westwood Park described as W Westwood Drive dist N 20 from N line Lot 7 Blk 3174 along W Westwood Drive S 45 N 82° 51' 26" W 95 to a pt on W line Lot 7 and dist S 23.798 from S line Lot 6 Blk 3174 th along W line Lots 7 and 6 N 42.836 S 84° 09' 46" E 95 to beg. Robert H Smith, $550; Edw E Madden, $123.50 vs Louis A and Lucy Bauer .....
Jan. 31, 1922—SE FAIR AVE AND Coleridge S 39-8xE 122-6. The Greater City Lumber Co vs John Schulz and Lottie Birrell.....$59.40
Jan. 31, 1922—NW DIVISADERO & Grove 52-6xW 90. Roy Murray vs D Serensky and Ignatius McHugh $215
Jan. 27, 1922—PTN LOTS 6 AND 7 Blk 3174, Westwood Park as W Westwood Drive 20 N from N line Lot 7 Blk 3174 running th alg W Westwood Drive S 45 N 82° 51' 26" W 95 to Pt on W line Lot 7 and dist S 23.798 from S line Lot 6 Blk 3174 running th alg W line Lots 7 and 6 N 42.836 S 84° 09' 46" E 95 to beg. Reinhart Lumber & Planing Mill Co vs Lucy Bauer and L A Bauer $866.87

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount
Jan. 30, 1922—W DOLORES 26-6 N 28th N 25xW 100. Greater City Lumber Co to Chas T and Emilia Zambruno .....
Jan. 30, 1922—E BAKER 55 S Turk S 27-6xW 113. C L Harrell to Mary A Feaheny .....

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Feb. 2, 1922—NW TURK & TAYLOR 38x81 on Turk. Julius H Berghauser as to improvements on property .....
Feb. 2, 1922—S SUTTER 85 W Taylor W 75-9 S 80 E 0-4 S 57-6 E 22-11 N 37-6 E 52-6 N 100. Harry B Allen as to improvements on property..
Feb. 1, 1922—NW CHENERY 350 NE Whitney NE 25-5½ NW 127.04 S 27.36 SE 103. Stephen A Byrne as to improvements on property.....
Feb. 1, 1922—NO 80 EDDY, NE Cor. Eddy and Mason. W V Hollengbery and R L Wolden as to improvements on property.....

BUILDING CONTRACTS

ALAMEDA COUNTY

$2,500 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
366	Saroni	Pond	10000
367	Field	Owner	4000
368	Larmer	Owner	5500
369	Collier	Spence	9900
370	Chamberlain	Burhn	4000
371	Gregory	Barnett	20000
372	Breed	Constable	6500
373	Marquis	Owner	7000
374	Price	Owner	4000
375	Nelson	Owner	5000
376	Hills	Dingwell	1500
379	Dean	Owner	3600
381	Chesney	Owner	17000
383	Knape	Owner	2500
386	Shultz	Larmer	5630
387	Steiner	Tollefsen	5500
388	Hancock	Burke	——
389	S. P.	Mowat	5886
390	California	Owner	3900
391	Isaacs	Owner	3750
392	Same	Same	3750
393	Same	Same	7500
394	Butler	Matteson	3200
395	Smith	Matteson	3500
396	Leonard	Burrell	16000
397	Souza	Linsley	2500
399	Steinan	Tollefsen	4850
400	Breed	Constable	8500
401	Hankey	Hankey	4500
402	Porter	McCullough	4250
404	Weston	Owner	4000
406	Leberes	Silva	2500
407	Driggs	Damgard	1000
408	DeJong	Owner	2500
409	Hassler	California	10500
410	Tambetta	Roust	3400
411	Tambetta	Roust	2700
414	Lapham	Ripple	3950
416	Dewell	Livingston	3924
417	Dahl	Hendrickson	3350
418	Anderson	Owner	3000
419	Simmonds	Owner	4000
420	Lawton	Bowers	3000
422	Short	Short	6000
423	Wolfkiel	Owner	3650
425	Anderson	Owner	2700
426	Deuble	Owner	10000
427	Students	Barrett	55385
428	Scheeline	Nelson	16980
429	Mohney	Rose	10400
432	Brazier	Owner	2500
434	Texdahl	Owner	2700
435	Conant	Conant	9000
436	Lawton	Owner	4500
438	McGee	Jones	3800
439	Hauer	Cushman	2500
440	Pfaendtner	Owner	3500
441	Healy	Owner	3000
442	Wallace	Owner	3000
443	Nelson	Johnson	4500
444	Borchard	Wieben	4600
445	Bridge	Bridge	3500
447	Wieben	Owner	7000
448	Herman	Perry	8000
449	Ames	Blucher	6825
450	Marcefsky	Marcefsky	4200
451	Reichel	Fish	10500
453	Henderson	Owner	4000
454	Johnson	Owner	5000
455	Ninekirk	Owner	3500
456	Schwerin	Morris	3500
457	Same	Same	3500
458	Eichler	Owner	10000
459	Hufschmidt	Healy	3500
461	Dolan	Owner	3000
462	Whalin	Owner	3500
463	Nunes	Sydes	2000
464	Helms	Owner	3500
466	McMullen	Narbet	12000
469	Greenhood	Owner	3000

PERMITS

DWELLING
(366) ASHMON NEAR LA SALLE, Piedmont. Two-story 8-room dwelling.
Owner—Louis Saroni, 422 Battery St., San Francisco.
Architect—None.
Contractor—C. P. Pond, 1162 Ashmount Ave., Oakland. $10,000

DWELLING
(367) CAMBRIDGE WAY, Piedmont. One and one-half story dwelling.
Owner—John Field, 588 63rd St., Piedmont.
Architect—None.
Contractor—C. P. Pond, 1162 Ashmount Ave., Oakland. $4000

DWELLING
(368) HIGHLAND AVE., Piedmont. Two and one-half story frame dwelling.
Owner—E. W. Larmer, 470 Boulevard Way, Berkeley.
Architect—None.
Day's work. $5500

DWELLING
(369) PASLA AVE. near Park Way, Piedmont. Three-story frame dwelling.
Owner—F. S. Collier, 2116 Central St., Alameda.
Architect—None.
Contractor—A. T. Spencer, 641 Taylor St., Alameda. $9900

DWELLING
(370) RAMONA AVE., Piedmont. One and one-half story frame dwelling.
Owner—R. H. Chamberlain, Oakland.
Architect—None.
Contractor—L. H. Burhn. $4000

RESIDENCE
(371) SEA VIEW AND LINCOLN, Piedmont. Three-story frame residence.
Owner—Dr. W. A. Gregory, 11 Eton Court, Piedmont.
Architect—F. H. Slocombe, First Savings Bank Bldg., Oakland.
Contractor—H. M. Barnett, 691 Wesley Ave., Oakland. $20,000

DWELLING
(372) WILDWOOD AVE., Piedmont. Three-story frame dwelling.
Owner—Breed & Bancroft, Oakland Bank of Savings Bldg., Oakland.
Architect—None.
Contractor—W. C. Constable, 3306 School St., Oakland. $6500

DWELLINGS
(373) NO. 1107 COLUSA AND 1918 Eldorado, Berkeley. Two 1-story 6-room dwellings.
Owner—P. E. Marquis, 1023 Oxford St., Berkeley.
Architect—None.
Day's work. $3500 each

DWELLING
(374) NO. 1747 MADERA, Berkeley. One-story 6-room dwelling.
Owner—Raymond D. Price, 1734 Tacoma Ave., Berkeley.
Architect—None.
Day's work. $4000

DWELLING
(375) NO. 1211 MONTEREY, Berkeley. One-story 5-room dwelling.
Owner—O. E. Nelson, 2634 Highland Ave., Berkeley.
Architect—None.
Day's work. $5000

DWELLING
(379) N EAST THIRTY-THIRD 150 E 13th Ave., Oakland. One-story 5-room dwelling.
Owner—Dean & Cook, 3571 Fruitvale Ave., Oakland.
Architect—None.
Day's work. $3600

APARTMENTS
(381) SE KINGSLEY AND EXCELSIOR Ave., Oakland. Two-story 24-room apartments.
Owner—W. E. McChesney, 1315 San Luis Ave., Oakland.
Architect—None.
Day's work. $17,000

DWELLING
(383) EAST ONE-HUNDRED SIXTH Ave. 50 N Hortense St., Oakland. One-story 4-room dwelling.
Owner—Thos. Knape, Haywards, Cal.
Architect—None.
Day's work. $2500

STORES
(386) W TELEGRAPH AVE. 100 N 25th, Oakland. One-story brick stores.
Owner—J. L. Shultz.
Architect—None.
Contractor—Edw. Larmer, 90 Fairview St., Oakland. $5630

DWELLING
(387) S SANTA RAY AVE. 51 E Calmar, Oakland. One-story 8-room dwelling.
Owner—Charles Steinan, 831 Chestnut St., Oakland.
Architect—None.
Contractor—H. C. Tollefsen, 836 Mead Ave., Oakland. $5500

GRADING
(388) NE TWENTY-THIRD AND Valdez, Oakland. Clean and grade lot.
Owner—V. A. Hancock, Oakland.
Architect—None.
Contractor—Leroy Burke, Oakland.
Filed Jan. 27, '22. Dated Jan. 23, '22
Bond, surety, none. Limit, Mar 7.
Forfeit, none. Plans and specifications filed.
NOTE—Contractor gets material now on lot as payment.

INSTALL REFRIGERATOR
(389) WEST OAKLAND. Install refrigerator in Commissary Bldg.
Owner—Southern Pacific Company.
Architect—None.
Contractor—J. Mowat (Mowat Refrigerator Co.), 25 Oak Grove, San Francisco.
Filed Jan. 27, '22. Dated Jan. 14, '22
Monthly payments 75%
Usual 35 days.....25%
TOTAL COST, $5886
Bond, $4,414. Surety, Fidelity and Deposit Co. Limit, 45 days. Forfeit, none. Plans and specifications filed.

PLANING MILL
(390) FOOT KIRKHAM, Oakland. One-story planing mill.
Owner—California and Oregon Lumber Co., premises.
Architect—None.
Day's work. $3900

DWELLING
(391) S BREST 38 E Fleming, Oakland. One-story 5-room dwelling.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLING
(392) S MODESTO AVE. 360 E Fleming, Oakland. One-story 5-room dwelling.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLINGS
(393) N MODESTO AVE. 36, 600 E Fleming, Oakland. Two 1-story frame dwellings.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750 each

DWELLING
(394) W CHAMPION 125 N Nicol, Oakland. One-story 5-room dwelling
Owner—J. F. Butler, San Francisco.
Architect—None.
Contractor—E. T. Matterson, 2434 Damuth St., Oakland. $3200

DWELLING
(395) E CHAMPION 125 S Pleasant Ave., Oakland. One-story 5-room dwelling and garage.
Owner—M. J. Smith.
Architect—None.
Contractor—E. T. Mattesen, 2434 Damuth St., Oakland. $3500

DWELLINGS
(396) N PARK BLVD. 34, 69, 104 and 139 E Spruce, Oakland. Four 1-story 5-room dwellings.
Owner—E. B. Leonard, 589 Kenmore St., Oakland.
Architect—C. N. Burrell, First Savings Bank Bldg., Oakland.
Day's work. $4000 each

DWELLING
(397) E NINETY-EIGHTH AVE. 150 N Plymouth St., Oakland. One-story 5-room dwelling.
Owner—A. F. Souza, San Leandro.
Architect—None.
Contractor—L. A. Linsley, San Leandro. $2500

DWELLING
(399) LOT 46 BLK C Piedmont Heights Addition, Oakland. One-story frame dwelling.
Owner—Charles Steinan, 831 Chestnut St., Oakland.
Architect—None.
Contractor—H. C. Tollefsen, 836 Mead Ave., Oakland.
Filed Jan. 27, '22. Dated Jan. 26, '22
Owner pays bills.....
TOTAL COST, $4850
Bond, surety, none. Limit, 90 days after Jan. 30. Forfeit, $8.00 per day. Plans and specifications filed.

DWELLING
(400) WILDWOOD AVE., Piedmont. Two-story frame dwelling.
Owner—Breed & Bancroft, Oakland Bk. of Savings Bldg., Oakland.
Architect—None.
Contractor—W. C. Constable, 3306 School St., Oakland. $8500

DWELLING
(401) EL CERRITO AVE., Piedmont. One and one-half-story frame dwelling.
Owner—Mrs. F. E. Hankey.
Architect—None.
Contractor—L. E. Hankey, 1018 48th St., Oakland. $4500

DWELLING
(402) NO. 610 COLUSA, Berkeley. One-story 5-room dwelling.
Owner—Porter & McConnel.
Architect—None.
Contractor—H. McCullough & Son, 1641 Allston Way, Berkeley. $4250

DWELLING
(404) NO. 1945 HOPKINS ST., Berkeley. One-story 5-room dwelling
Owned—John O. Weston, 1731 Dwight Way, Berkeley.
Architect—None
Day's work. $4000

DWELLING
(406) S EAST SIXTEENTH 160 E 22nd Ave., Oakland. One-story 5-room dwelling
Owner—George Leberes, 2215 E-15th St., Oakland.
Architect—None.
Contractor—J. P. Silva, 870 46th St., Oakland. $2500

DWELLING
(408) W EASTMAN AVE. 70 N Allendale, Oakland. One-story 4-room dwelling.
Owner—Louis DeJong, 2529 Orange Ave., Oakland.
Architect—None.
Day's work. $2500

APARTMENTS
(409) N FORTY-FOURTH 420 E Telegraph, Oakland. Two-story 16-room apartments and garage.
Owner—Theresa Hassler.
Architect—None.
Contractor — California Builders Co., 1534 Franklin St., Oakland. $10,500

STORES
(410) NW FORTY-FIFTH & GROVE, Oakland. One-story store.
Owner—J. Tambetta, 45th and Grove Streets.
Architect—None.
Contractor—A. Roust, 6508 Raymond St., Oakland. $3400

DWELLING
(411) N FORTY-FIFTH 57 W Grove St., Oakland. One-story 4-room dwelling.
Owner—J. Tambetta, 45th and Grove Sts., Oakland.
Architect—None.
Contractor—A. Roust, 6508 Raymond St., Oakland. $2700

DWELLING
(414) NE SIXTY-FIRST & AVENAL Aves., Oakland. One-story 6-room dwelling.
Owner—Frank Lapham, 2519 61st Ave., Oakland.
Architect—None.
Contractor—Wm. S. Kepple, 2619 62nd Ave., Oakland. $3950

RECORDED

DWELLING
(416) W SANTA BARBARA ROAD N Indian Rock Ave being Lot 28 Blk 10, Map Berkeley Heights, Berkeley. Carpentry and mill work for two-story frame dwelling.
Owner—H. D. Dewell, 1400 Scenic Ave., Berkeley.
Architect—Joseph J. Rankin, 1st National Bank Bldg., San Francisco.
Contractor—Wm. Livingston & Son, 2918 Ellis St., Berkeley.
Filed Jan. 30, '22. Dated Jan. 25, '22.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $3924
Bond, none. Limit, 100 days. Forfeit none. Plans and specifications filed.

DWELLING
(417) E GRANT 275 S Vine, Berkeley. One-story 5-room dwelling.
Owner—Ella Dahl.
Architect—None.
Contractor—A. Hendrickson, 755 60th St., Oakland. $3350

DWELLING
(418) N BROOKDALE AVE 190 E Short, Oakland. One-story 5-room dwelling.
Owner—A. T. Anderson, 9302 Birch St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(419) S DELAWARE 146 E Peralta Ave., Oakland. One and one-half-story 6-room dwelling
Owner—L. E. Simmonds, 3802 Canon St., Oakland.
Architect—None.
Day's work. $1000

STATION
(420) NE FORTY-FIRST AND TELEGRAPH Ave., Oakland One-story brick service station.
Owner—Dr. W. J. P. Lawton, 4120 Telegraph Ave., Oakland
Architect—None.
Contractor—Lowers & Reynolds, 662 43rd St., Oakland. $300

DWELLING
(422) S HANOVER AVE 400 W Newton, Oakland. One-story 8-room 2-family dwelling
Owner—Louisa H. Short, 574 Rosal Ave., Oakland.
Architect—None.
Contractor—C. W. Short. $6000

DWELLING
(423) N LAVERNE 150 E 55th Ave., Oakland. One-story 5-room dwlg.
Owner—E. R. Wolfkiel, 1167 Rhode Island St., San Francisco.
Architect—None.
Day's work. $3000

DWELLING
(425) S SCENIC AVE 360 E Lincoln, Oakland. One-story 5-room dwlg.
Owner—A. A. Anderson, 3321 Brookdale Ave., Oakland.
Architect—None.
Day's work. $2700

APARTMENTS
(426) S THIRTIETH 343 W Telegraph Ave., Oakland. Two-story 16-room apartments.
Owner—C. B. Deuble, 421 Central Bk. Bldg., Oakland.
Architect—None.
Day's work. $10,000

RECORDED

WAREHOUSE
(427) NE SHATTUCK AVE. AND Ward, Berkeley. All work except elevator and vault door for reinforced concrete warehouse.
Owner — Students Express & Transfer Co., Inc., 2750 Adeline St., Bkly.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Filed Jan. 31, 22. Dated Jan. 30, '22.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $55,386
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(428) PTN LOT 125 Map Crocker Tct., Piedmont. All work for two-story and basement frame dwelling.
Owner—Louis Scheeline, 406 14th St., Oakland.
Architect—Claude B. Barton, 364 Staten Ave., Oakland.
Contractor—H. P. Nelson, 1947 Blake St., Berkeley.
Filed Jan. 31, '22. Dated Jan. 31, '22.
Sheathed ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $16,980
Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

DWELLING
(429) CONTAINING 1.893 ACRES being Ptn 476.8 acre tract described deed recorded Liber 1024 Deeds Page 321, Oakland. All work for two-story frame dwelling.
Owner—Brainerd T. and Maude E. Mohney, 965 Moraga Road, Okd.
Architect—M. I. Diggs, Easton Bldg., Oakland
Contractor—M. A. Rose, 5801 Dover St., Oakland
Filed Jan. 31, '22. Dated Jan. 28, '22
Frame up ..... ¼
Brown coated ..... ¼
Completed ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $10,400
Bond, none. Limit, 120 days after Jan. 28. Forfeit, $5. Plans and specifications filed.

DWELLING
(431) E GRANT 376 S Rose, Berkeley. One-story 5-room dwelling.
Owner—Chas. A. Werner, 2426 10th St., Berkeley.
Architect—None.
Day's work. $2000

DWELLING
(432) N ROSE 100 E McGee, Berkeley One-story 5-room dwelling.
Owner—Jas. W. Brazier, 1912 Blake St., Berkeley.
Architect—None.
Day's work. $2500

DWELLING
(434) E TEXDAHL 50 S Oregon, Berkeley. One-story 5-room dwelling.
Owner—C. Texdahl, 5375 Belgrave Pl., Oakland.
Architect—None.
Day's work. $2700

APARTMENTS
(435) W TELEGRAPH AVE 200 N Prince, Berkeley. Two-story 12-room apartments.
Owner—Lillie G. Conant, 542 25th St., Oakland.
Architect—None.
Contractor—John Conant, 542 25th St., Oakland. $9000

DWELLING
(436) NE BELGRAVE AND BELgrave Terrace, Oakland. One-story 5-room dwelling.
Owner—Lawton & Vezey, Plaza Bldg., Oakland.
Architect—None.
Day's work. $4500

DWELLING
(438) W EIGHTY-FIFTH AVE. 80 N Blanch, Oakland. One-story 5-room dwelling.
Owner—Mrs. Agnes McGee, 1523 8th St., Oakland.
Architect—None.
Contractor—A. J. Jones, 1523 8th St., Oakland. $3800

DWELLING
(439) EAST EIGHTY-SEVENTH AVE. 205 N Holly St., Oakland. One-story 5-room dwelling.
Owner—Elizabeth Hauer.
Architect—None.
Contractor—C. A. Cushman, 1675 85th Ave., Oakland. $2500

DWELLING
(440) S EVERETT AVE. 189 W Leach Ave., Oakland. Two-story 5-room dwelling.
Owner—O. Pfaendtner, 2307 57th Ave., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(441) S FORTY-THIRD 479 E Telegraph, Oakland. One-story 5-room dwelling.
Owner—P. J. Healy, 39 Nace Ave., Piedmont.
Architect—None.
Day's work. $3000

DWELLING
(442) E FORTIETH AVE. 60 N San Juan, Oakland. One-story 5-room dwelling.
Owner—Wallace & Son, 1240 13th Ave., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(443) W HADDON RD. 350 S Brooklyn, Oakland. One-story 5-room dwelling.
Owner—Fred Nelson, 12 Beaver St., San Francisco.
Architect—None.
Contractor—Johnson Bros., 530 13th St., Oakland. $4500

DWELLING
(444) NO. 3354 HIGH, Oakland. One-story 6-room dwelling.
Owner—H. H. Borchardt, 2019 Parker St., Berkeley.
Architect—None.
Contractor—Alex C. Wieben, 3602 Fruitvale Ave., Oakland. $4000

DWELLING
(445) W LAGUNA AVE. 136 S Damuth Oakland. One-story 6-room dwelling.
Owner—J. Bridge, 3001 Barker St., Oakland.
Architect—None.
Contractor—Bridge & Thomas, 3069 Lynde St., Oakland. $3500

DWELLING
(447) NO. 839 ROSEMONT RD, Oakland. Two-story 8-room dwelling.
Owner—Alex C. Weben, 3602 Fruitvale Ave., Oakland.
Architect—None.
Day's work. $7000

DWELLINGS
(448) W WOODRUFF AVE. 300 and 340 S Hampel, Oakland. Two 1-story 5-room dwellings.
Owner—Mrs. Herman, 732 Haight Ave., Alameda.
Architect—None.
Contractor—J. Floyd Perry, 733 Haight Ave., Alameda. $4000 each

RECORDED

ALTERATIONS
(449) W GROVE 80 S 31st being No. 3025, Oakland. All work for alterations to two-story frame building.
Owner—Nona G. Ames, 3025 Grove St., Oakland.
Architect—None.
Contractor—Blucher Bros., 451 Van Dyke Ave., Berkeley.
Filed Feb. 1, '22. Dated Feb. 1, '22.
Rough plumbing installed.....$1363
Building passed by building inspector $1362
Plastered 1362
Completed and accepted..... 1362
Usual 35 days..... 1376
TOTAL COST, $6825
Bond, none. Limit, without delay.
Forfeit, plans and specifications, none.

DWELLING
(450) LOT 11 BLK 2, ReSbdvn Broadmoor, San Leandro. All work for one-story 6-room dwelling.
Owner—Thomas and Rose Marcefsky, 519 Second St., Hayward.
Architect—None.
Contractor—J. A. Marcefsky, 2220 92nd Ave., Oakland.
Filed Feb. 1, '22. Dated Jan. 31 '22.
Frame up .....$ 750
Exterior completed 750
Interior completed 750
Usual 35 days..... 1950
TOTAL COST, $4200
Bond, none. Limit, 60 days. Forfeit, plans and specifications, none.

DWELLINGS
(451) NO. 1126, 1130, 1132 FOUNTAIN St., Alameda. Three one-story 5-room dwellings.
Owner—Reichel & Bredhoff, 2509 Clement Ave., Alameda.
Architect—None.
Contractor—M. H. Fish, 1333 Fountain St., Alameda. $3500 each

DWELLING
(453) NO. 1159 REGENT ST., Alameda. One-story 6-room dwelling.
Owner—D. J. Henderson, 2233 Santa Clara Ave., Alameda.
Architect—None.
Day's work. $4000

DWELLING
454) NO. 821 OXFORD ST., Berkeley. One-story 6-room dwelling.
Owner—Chas. M. Johnson, 2317 Carlton St., Berkeley.
Architect—None.
Day's work. $5000

DWELLING
(455) NO. 1819 SONOMA ST., Berkeley One-story 5-room dwelling.
Owner—Chester P. Ninekirk, 1810 Pacific Ave., Alameda.
Architect—None.
Day's work. $3500

DWELLING
(456) NO. 2801 GROVE ST., Berkeley. One-story 5-room dwelling.
Owner—Edward Schwerin, — Haste St., Berkeley.
Architect—None.
Contractor—Solomon Morris, 1424 Jefferson St. Oakland. $3500

DWELLING
(457) NO. 1906 STUART ST., Berkeley One-story 5-room dwelling.
Owner—Edw. Schwerin, —Haste St., Berkeley.
Architect—None.
Contractor—Solomon Morris, 1424 Jefferson St., Oakland. $3500

GARAGE
(458) W COLLEGE AVE 257 N Hudson, Oakland. One-story brick and tile garage.
Owner—Eichler Bros., 466 Crescent St., Oakland.
Architect—None.
Day's work. $10,000

DWELLING
(459) S EXCELSIOR BLVD 80 E Randolph, Oakland. One-story 5-room dwelling.
Owner—Walter Hufsenmidt, 407 Federal Bldg., Oakland.
Architect—None.
Contractor—P. Healy, 39 Nace Ave., Piedmont. $3500

DWELLING
(461) E KENMORE 70 N Walla Vista, Oakland. One-story 5-room dwlg.
Owner—Leo J. Dolan, Syndicate Bldg., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(462) E MANILA AVE 100 N 45th St., Oakland. One-story 5-room dwlg.
Owner—Whalin & Carlos, Federal Bldg., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(464) W RANSOME AVE 250 E Santa Rita, Oakland. One-story 6-room dwelling.
Owner—R. F. Helms, 1133 71st Ave., Oakland.
Architect—None.
Day's work. $3500

STORE
(466) S SEVENTH 75 E Franklin St., Oakland. One-story tile and brick store.
Owner—R. J. McMullen, 13th and Franklin Sts. Oakland.
Architect—Jas. T. Narbett, Syndicate Bldg., Oakland.
Day's work. $12,000

ADDITION
(469) NW THIRTY-THIRD AND Telegraph Ave., Oakland. Addition
Owner—Greenhood & Klein, Maryland Apts., Oakland.
Architect—F. D. Voorhees 1820 West St., Oakland.
Day's work. $3000

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
Feb. 2, 1922—PTN LOT 11 BLK "E." Map Piedmont Vista, Piedmont. Frank Button to whom it may concern. .....Feb. 1, 1922
Feb. 2, 1922—LOT 24 BLK 6, Shaw Tract, Berkeley Rose I Sackett to whom it may concern. Feb. 1, 1922

Feb. 1, 1922—LOT 107, Map Nova Piedmont, Piedmont. Joseph A Clanciarulo to Gordon Wiser.....Feb. 1, 1922

Jan. 28, 1922—NO. 1236 E-TWENTY-fourth, Oakland. B A Lovett by R H Lovett to whom it may concern .....Jan. 21, 1922

Feb. 1, 1922—SE BRIGHTON AVE and Park Blvd, Oakland. Mrs. R. I. Aprahamian to Isakson & Sons .....Jan. 31, 1922

Feb. 1, 1922—LOT 28 BLK L Map Fourth Ave Terrace. J P Brennan to whom it may concern. Jan. 31, 1922

Jan. 31, 1922—PTN LOTS 15 AND 16 blk B Map Piedmont Knoll, Oakland. Fred E. Bailey to whom it may concern.....Jan. 31, 1922

Jan. 30, 1922—LOTS 9 AND 10 BLK "B" Regents Park Map No. 3. Berkeley. Joseph H and Ettie Wilkinson to Thomas J McCord..... .....Jan. 27, 1922

Jan. 30, 1922—LOTS 92 AND 93 Oakland Prospect Homestead. Oakland. D L and R S Hilson to Wm Bernstein.....Jan. 3, 1922

Jan. 30, 1922—LOT 16 BLK 12, Northbrae, Berkeley. J A Pinkerton to whom it may concern..Jan. 30, 1922

Jan. 30, 1922—W 25 LOT 7 and E 12-6 Lot 8 Blk 3, East Piedmont Heights Extension, Oakland. William J Baker to whom it may concern.....Jan. 30, 1922

Jan. 28, 1922—LOT 20 BLK 3, Map Fourth Avenue Heights, Oakland. John E Murphy to whom it may concern.....Jan. 25, 1922

Jan. 28, 1922—LOT 88, Nova Piedmont, Piedmont. S Morris & Olive Sager to whom it may concern.... .....Jan. 28, 1922

Jan. 27, 1922—NO. 1263 EUCLID Ave, Berkeley. M I Gastman by H H Gastman to whom it may concern.....Jan. 27, 1922

Jan. 27, 1922—LOT 137 Map Piedmont by-the-Lake, Oakland. Henry W Haler to whom it may concern... .....Sept. 15, 1920

LIENS FILED

ALAMEDA COUNTY

Recorded Amount

Feb. 2, 1922—LOT 39 BLK "D" Map Fruitvale Addition Tract, Oakland. G W Sommers, $410; H D Sommers, $64.50 vs Theresa C Randall.....

Jan. 31, 1922—LOT 9 BLK D MAP Oakland Highlands, Oakland. John P. Maxwell (Maxwell Hdw Co) vs L A Booker and W H Kelley..$143.62

Jan. 31, 1922—E SAN PABLO AVE 200.70 N Alcatraz Ave E 126.08 N 65.16 W 130.93 S 51.30, Oakland. John P. Maxwell (Maxwell Hdw Co) vs D B and Alma L Bankhead $204.14

Jan. 30, 1922—LOT 32 AND E 5 LOT 33 blk 26 Map part property Chas. L Fitch. John P. Maxwell (Maxwell Hdw Co) vs Marie Redon and M F Wise $41.12

Jan. 28, 1922—W CURTIS or Bruce 180 N Allston Way being Lot 14 Blk "D" Map Bryant Tract, Berkeley. Hogan Lumber & Mill Co vs A T Hendricks and Gertrude H Mason $164.81

Jan. 28, 1922—W SAN PABLO AVE 50 S 45th SE 25xSW 120, Oakland. Hogan Lumber & Mill Co vs A T Hendricks and Charles P Fink... .....$125.63

Jan. 28, 1922—LOT 13 BLK 1, Map Herzog Tract, Oakland. Terminal Lumber Co vs A L and D B Bankhead $1375.28

Jan. 27, 1922—S WELD 108 E 73rd Ave, Oakland. Eureka Mill & Lumber Co vs A M and C Darling $148.93

Notice of Non-Responsibility

ALAMEDA COUNTY

Jan. 30, 1922—LOT 10 and NE 6-3 Lot 11 Blk 16 Map Key Route Heights, Oakland. Alameda Investment Co as to improvements on property

Jan. 30, 1922—LOTS 3 AND 4 BLK 19 Map Key Route Heights, Oakland. Alameda Investment Co as to improvements on property.....

HOMESTEADS

ALAMEDA COUNTY

Jan. 31, 1922—LOT 9 BLK 7 MAP Subdivision plan Sprague & Swain Property blk 7 Grave & Taylor tract, Berkeley. Carrie G. Clarke (wf George Bancroft) $4500

CITY OF OAKLAND BUILDING TOTALS FOR JANUARY, 1922

Classification of Buildings	No. of Permits	Costs
1-story dwellings.....	188	$ 546,668
1-st 2-family dwlg.....	1	6,000
1-st 3-family dwlg.....	1	8,500
1½-story dwellings....	4	18,000
2-st dwellings.....	8	62,175
2-story flats.....	2	20,500
2-story apartments.....	6	68,000
3-story apartments....	2	81,500
1-story school.....	1	7,878
1-story stores.....	3	11,300
1-story planing mill...	2	5,900
1-story pound building.	1	3,472
1-story office.....	2	450
2-story warehouse.....	1	600
1-st brick office bldg...	1	10,000
2-st brick warehouse & shop	2	23,000
2-s brick warehouse & store, add'l cost....	–	8,000
1-story brick garage...	1	10,000
1-st brick & tile garage	1	23,000
1-st brk service station	3	4,750
1-st brick stores.....	1	5,630
1-st bk machine shop..	1	9,000
1-story tile garage.....	5	11,610
1-story tile dwelling...	1	6,000
1-story concrete garage	3	1,200
1-story concrete stores.	1	25,000
1-st concrete ice house.	1	11,500
5-st conc cannery bldg	1	75,000
3-st conc store&loft bld	1	34,000
2-st conc warehouse & garage	1	83,000
Concrete foundation...	4	5,000
1-st steel frm factory..	1	5,000
Scenic railway.....	1	30,000
1-story greenhouse.....	1	100
1-story tile shop.....	1	500
Garages & sheds.....	139	27,256
Tank frame	1	100
Electric signs.....	20	3,665
Additions	45	26,541
Alterations & repairs...	122	49,600
Total	581	$1,329,405
SUMMARY		
New construction.....	459	$1,279,805
Alterations & repairs...	122	49,600
Total	581	$1,329,405

BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 and Over Reported

GARAGE
NO. 1530 J ST., Sacramento. Three-story garage
Owner—W. I. Elliott, 1331 K St., Sacramento.
Architect — Jens C Petersen, Peoples Savings Bank Bldg., Sacramento.
Contractor—Geo. D. Hudnutt, Calif. Fruit Bldg., Sacramento. $80,000

FLATS
NO. 2811 P ST., Sacramento Two-story (4) flats
Owner—J. I. Silva, 2016 P St., Sacramento.
Architect—None.
Day's work. $11,000

FYATS
NO. 2510 P ST., Sacramento. Two-story frame (4) flats.
Owner—J. D. Silvey, 2016 P St., Sacramento.
Architect—None.
Contractor—R. M. Smith, 1228 K St., Sacramento. $12,000

SCHOOL
FREMONT SCHOOL on N. O. 24th and 25th Sts., Sacramento. Two-story school.
Owner—Sacramento School District.
Architect—Hemmings, Hudnutt & Peterson, City Library Bldg., 9th and L Sts., Sacramento.
Contractor—K. E. Parker Co., 519 California St., San Francisco. $202,000

DWELLING
NO. 1308 TWENTY-EIGHTH ST., Sacramento. Two-story 8-room dwlg
Owner—C. H. Chatterton, 2118 28th St., Sacramento.
Architect—None.
Day's work. $13,000

DWELLING
NO. 1726 T ST., Sacramento. One-story 6-room dwelling.
Owner—D. W. Carmichael, 8th and J Sts., Sacramento.
Architect—None.
Contractor—Paul Opdyke. $4200

DWELLING
NO. 2320 TWENTY-EIGHTH ST., Sacramento. One-story 5-room dwlg.
Owner—Sacramento Building & Investment Company.
Architect—None.
Day's work. $2500

DWELLING
NO. 3308 THIRD AVE., Sacramento. One-story 4-room dwelling.
Owner—Chester E. King, 3334 Third Ave., Sacramento.
Architect—None.
Day's work. $2800

WAREHOUSE
NO. 1719 SECOND ST., Sacramento. Warehouse.
Owner—Western Pacific Railroad Co.
Architect—None.
Day's work. $5000

SCHOOL
EIGHTH AVE. & STOCKTON BLVD., Sacramento. Two-story concrete and brick school.
Owner—Sacramento School District.
Architect—Hemmings, Hudnutt & Petersen, Library Bldg., 9th and L Sts., Sacramento.
Architect — K. E. Parker Co., Clunie Bldg., San Francisco. $124,400

DWELLING
NO. 1125 SANTA BARBARA COURT, Sacramento. One-story five-room dwelling.
Owner—C. L. Vertrees, 1611 38th St., Sacramento.
Architect—None.
Day's work. $3000

DWELLING
NO. 900 THIRTY-FIFTH S., Sacramento. One-story 5-room dwelling.
Owner—Mr. and Mrs. Rasmussen, 1117 3rd St., Sacramento.
Architect—None.
Contractor—P. R. Peterson, 2410 U St., Sacramento. $3200

RESIDENCE
NO. 1607 TWENTY-EIGHTH, Sacramento. Two-story frame residence.
Owner—Steinmyer Bros., 1611 28th St., Sacramento.

Architect—None.
Contractor—J. A. Saunders, 2810 J St., Sacramento. $12000

DWELLING
NO. 2940 FORTY-FOURTH ST., Sacramento. One-story 5-room dwlg.
Owner—W. F. Foster, 3400 4th Ave., Sacramento.
Architect—None.
Day's work. $——

DWELLING
NO. 4402 FOURTH AVE., Sacramento. One-story 5-room dwelling.
Owner—Frank Marion, 35th and 3rd Ave., Sacramento.
Architect—None.
Contractor—C. Vanina, 2022 M St., Sacramento. $3000

REPAIRING
NO. 618 SEVENTEENTH ST., Sacramento. Repairing.
Owner—W. Wilde, 2519 V St., Sacramento.
Architect—None.
Contractor—C. Vanina, 2022 M St., Sacramento. $3000

BUILDING
W ½ OF S ½ LOT 5, E, F, 28th and 29th Sts., Sacramento. Building.
Owner—Miss Mabel J. Grandal.
Architect—None.
Contractor—L. G. Barton and C. O. Dudley, 619 J St., Sacramento.
Filed Jan. 25, '22. Dated Jan. 16, '22. $4899

DWELLING
NO. 3997 H ST., Sacramento. One and one-half-story 6-room dwelling.
Owner—W. Mangold, Premises.
Architect—None.
Day's work. $3000

DWELLING
NO. 2221 THIRTEENTH ST., Sacramento. One-story 5-room dwelling.
Owner—Arthur W. McKay, 1108 18th St., Sacramento.
Architect—None.
Contractor—G. W. McKay, 1925 10th St., Sacramento. $2500

DWELLING
NO. 3244 FORTY-FOURTH ST., Sacramento. One-story 5-room dwlg.
Owner —M. J. Silva, 2800 Sacramento Blvd., Sacramento.
Architect—None.
Day's work. $3200

DWELLING
NO. 1340 FORTY-FOURTH ST., Sacramento. One-story seven-room dwlg.
Owner—Geo. Sellinger, 620 20th St., Sacramento.
Architect—None.
Contractor — F. Maloney, 1801 U St., Sacramento. $8400

DWELLING
NO. 2825 E ST., Sacramento. One-story 5-room dwelling.
Owner—Mabel J. Crandall, San Francisco.
Architect—None.
Contractor—Barton & Dudley, 619 J St., Sacramento. $5000

DWELLING
NO. 2217 TWENTY-FOURTH ST., Sacramento. One-story 5-room dwlg.
Owner — Anna E. Williams, 1010 8th St., Sacramento.
Architect—None.
Day's work. $2950

DWELLING
NO. 1417 FORTY-SECOND ST., Sacramento. One-story 7-room dwlg.
Owner—W. T. Childers, 1220 18th St., Sacramento.
Architect—None.
Day's work. $4675

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Jan. 30, 1922—LOT 243 BLK 1, Oak Grove Tract, Sacramento. Thos P Gillen and W P Cippa to whom it may concern.....Jan. 26, 1922
Jan. 27, 1921—LOTS 5, 6, 7 AND 8, M, N, 16th and 17th Sts., Sacramento. Sacramento City School District to whom it may concern.. .....Jan. 17, 1922

BUILDING CONTRACTS

FRESNO COUNTY

$5,000 and Over Reported

DWELLINGS
NO. 509 WELDON ST., Fresno. Two dwellings.
Owner—L. L. Miller.
Architect—None.
Day's work. $4000 and $5000

APARTMENTS
NO. 2727 MERCED ST., Fresno. Apartment house.
Owner—Wm. H. Laughlin, Forsyth Bldg., Fresno.
Architect—None.
Contractor—Valley Constr. Co., Fresno. $25,000

DWELLING
NO. 615 ECHO AVE., Fresno. Dwelling
Owner—S. L. Allen, 530 Forthcamp St., Fresno.
Architect—None.
Day's work. $5000

DWELLING
NO. 1562-83 ROOSEVELT AVE., Fresno Dwelling.
Owner—Nels N. Nelson, Fresno.
Architect—None.
Day's work. $5400

DWELLING
NO. 335 INEZ ST., Fresno. Dwelling.
Owner—R. W. Person, 327 Inez St., Fresno.
Architect—None.
Day's work. $5500

FRAME FLATS
NO. 1313 LINDEN ST., Fresno. Frame (4) flats.
Owner—R. C. Kennedy, Mason Bldg., Fresno.
Architect—None.
Day's work. $10,000

DWELLING
NO. 2237 VAN NESS AVE., Fresno. Dwelling.
Owner—W. P. Heidewald, 1035 Forthcamp, Fresno.
Architect—None.
Contractor—Valley Construction Co., Fresno. $7000

DWELLING
NO. 1348 NORTH VAN NESS AVE., Fresno. Dwelling and garage.
Owner—Geo. H. Ball, 1410 Van Ness, Fresno.
Architect—None.
Contractor—A. D. Wilkins, 2294 Ivy St., Fresno. $6600

STORE
NO. 1115 VAN NESS AVE., Fresno. Store.
Lessee — Homan & Co., 2043 Mariposa St., Fresno.
Architect—None.
Contractor—E. J. Farr, 245 Forthcamp St., Fresno. $6500

PIERCE-BOSQUIT
Abstract & Title Co.
Capital Stock $100,000
Sacramento, Placerville, Nevada City, Reno
SACRAMENTO OFFICE
ROSS E. PIERCE, Manager
905 SIXTH STREET

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Jan. 31, 1922—PTN W ½ OF SE ¼ of Sec. 18, 15-21, Fresno. Lowdar Bucklin to whom it may concern.. .....—
Jan. 30, 1922—McKINLEY SCHOOL District, Fresno Co. Board of Trustees of McKinley School District to whom it may concern..Jan 30, 1922
Jan. 28, 1922—LOTS 22 TO 25 BLK 1, Maywood, Fresno. K C Buwalda to whom it may concern.Jan. 28, 1922
Jan. 26, 1922—LOTS 8 AND 9 BLK 1, Sunset Tract, Fresno. Amanda Kirkner to whom it may concern .....Jan. 23, 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount
Jan. 26, 1922—LOTS 17 AND 18 BLK 55, East Fresno. J W Pattillo vs E W Morris.....$55
Jan. 24, 1922—LOTS 37, 38 AND 39 Blk 6, Van Ness Heights, Fresno. C S Pierce Lumber Co vs V E Barron and H H Putman.....$357

Notice of Non-Responsibility

FRESNO COUNTY

Jan. 28, 1922—WONDER BLDG., Fresno. Annie L Wallace as to improvements on property .....

Jan. 26, 1922—LOTS 25 AND 26 BLK 1, Stratford Place, Fresno. Hansine Schmidt as to improvements on property .....

BUILDING CONTRACTS

SANTA CLARA COUNTY.

$1,000 and Over Reported

RESIDENCE
PALO ALTO. All work for five-room residence.
Owner — Mrs. Jessie H. Beatty, Palo Alto.
Architect—None.
Contractor—W. S. Couter, Palo Alto.
Filed Jan. 27, '22. Dated Jan. 26, '22.
Foundation in $840.50
Brown coat plaster on..... 840.50
When completed 840.00
Usual 35 days..... 848.50
TOTAL COST, $3390.00
Bond, $1500. Surety, Agnes G. Couter. Limit, 75 or 80 working days after Jan 27, 1922. Forfeit, none. Plans and specifications filed.

CONCRETE BLDG.
NO. 71 S-THIRD ST., San Jose. All work for concrete building.
Owner—A. N. Kellener, San Jose.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—Clyde Alexander, 127 Viola Ave., San Jose.
Filed Jan. 27, '22. Dated Jan. 16, '22.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $2850

Bond, $1500. Sureties, E. D. Minton and Henry A. Hoyt. Limit, 30 working days from date of commencement. Forfeit, none. Plans and specifications filed.

ALTERATIONS
NO. 572 W-WILLIAM ST., San Jose. Alter and repair.
Owner—Anton Malvini.
Architect—None.
Contractor—Sam Devito. 512 W-San Salvadore, San Jose. $1175

COTTAGE
NO. 190 ACACIA ST., San Jose. Five-room cottage.
Owner—Jno. P. Isakson.
Architect—None.
Day's work. $1800

DWELLING
HESTER PARK, San Jose. All work for one-story five-room frame dwelling.
Owner—David K. Atkinson, 28 E-Santa Clara St., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—E. E. Arnott.
Filed Jan. 31, '22. Dated Jan. 30, '22.
Frame completed $834.50
Plastering finished 834.50
Completed and accepted..... 834.50
Usual 35 days..... 834.50
TOTAL COST, $3338.00
Bond, none. Limit, 90 days from Jan. 31, 1922. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Jan. 31, 1922—NAGLEE PARK SUBdivey No. 2, San Jose. P. D Shimer to J A Wagner.....Jan. 30, 1922
Jan. 27, 1922—SAN JOSE. J D Kay to whom it may concern.Jan. 27, 1922
Jan. 25, 1922—NEAR SAN JOSE, Cal. Alice Boag to whom it may concern.....Jan. 24, 1922
Jan. 25, 1922—SAN JOSE, Cal. Bayard Bowden to A. K. Burkett.... .....Jan. 24, 1922

LIENS FILED

SANTA CLARA COUNTY.

Recorded Amount
Jan. 28, 1922—W OF MAYFIELD. Walter S C Stevens vs Egbert A Rozeboom $972.56
Jan. 28, 1922—LOS GATOS. M J Smith vs Novitiate of Los Gatos (a Corporation) $654.06

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

$2,500 and Over Reported

RESIDENCE
NORTH SIERRA NEVADA, Stockton. Residence.
Owner—Carl Nelson, 1421 E-Channel, Stockton.
Architect—None.
Day's work. $3000

RESIDENCE
EAST LAFAYETTE, Stockton. Residence.
Owner—E. Ferguson.
Architect—None.
Day's work. $3000

REMODELING
NO. 1409 NORTH COMMERCE ST., Stockton. Remodel.
Owner—O. T. Hays, premises.
Architect—None.
Day's work. $2800

DWELLINGS
EAST SONORA ST., Stockton. Two frame dwellings and garages.
Owner—Wm. Hickman and Otto Von Detten, Yosemite Bldg., Stockton.
Architect—None.
Day's work. $2400 each

RESIDENCE
W JEFFERSON, Stockton. Residence.
Owner—F. L. Buzza.
Architect—None.
Day's work. $2500

RESIDENCE
W FREMONT, Stockton. Residence and garage.
Owner—John T. Grant, 1721 N Hunter St., Stockton.
Architect—None.
Day's work. $3700

COMPLETION NOTICES

SAN JOAQUIN COUNTY.

Recorded Accepted
Jan. 30,1922—LOTS 1 AND 2 BLK "E" Browns Addition to Stockton. H Stuart Holmes to T E Williamson .....Jan. 27, 1922
Jan. 27, 1922—LOT 21 BLK 5, Park Addition to Manteca. C W Bingham to whom it may concern..... .....Jan. 24, 1922

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
Jan. 28, 1922—LOTS 14 AND 16 BLK 6, Villa Addition to Stockton. Central Lumber Co Cptn vs Will M Capps and Mary Capps.....$315.60

BUILDING CONTRACTS

SAN MATEO COUNTY

BUILDING
NO. 4 WARREN ROAD, San Mateo. All work except plumbing, electric fixtures and shades for two-story building.
Owner—William McKinney.
Architect—Ernest L. Norberg, Bankers Investment Bldg., San Francisco.
Contractor — T. J. Broderick, 1528 Cypress Ave., Burlingame.
Filed Jan. 26, '22. Dated Jan. 23, '22.
Frame erected $450
Plastered 450
Completed 450
Usual 35 days..... 255
TOTAL COST, $1605
Bond, limit, forfeit, plans and specifications ,none.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Jan. 30, 1922—LOT 252, San Mateo Park, San Mateo. Rudolf Cesar Bertheau to whom it may concern .....Jan. 27, 1922
Jan. 27, 1922—LOT 5 BLK 15, Easton Addition to Burlingame. David Houle to whom it may concern... .....Jan. 25, 1922

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
Jan. 26, 1922—N ½ LOT 1 BLK 26, Oak Knowl Manor near Redwood City. Royal T Heath (as Heath Hardware Co) vs Anglo California Trust Co et al.....$87.61

BUILDING CONTRACTS

SONOMA COUNTY

WAREHOUSE
THIRD ST., bet. A and B Sts., Santa Rosa. All work for one-story reinforced concrete warehouse, 80x 100 feet.
Owner—Max Prince, Santa Rosa, Calif.
Architect — A. M. Hildebrand, Santa Rosa, Calif.
Contractor — A. M. Hildebrand, Santa Rosa, Calif.
Filed Jan. 25, '22. Dated Jan. 25, '22.
Walls up $3500.00
Roof on 3500.00
Building completed 3584.50
Usual 35 days..... 3800.00
TOTAL COST, $14,384.50
Bond, limit, forfeit, none. Plans and specifications filed.

WAREHOUSE
THIRD ST., bet. A and B Sts., Santa Rosa. All work for one-story reinforced concrete warehouse, 40x 80 feet.
Owner—Max Prince, Santa Rosa, Calif.
Architect — A. M. Hildebrand, Santa Rosa, Calif.
Contractor—C. D. Roberts, 720 Benton St., Santa Rosa, Calif.
Filed Jan. 25, '22. Dated Jan. 25, '22.
Walls up $1888
Roof on 1888
Building completed 1888
Usual 35 days..... 1891
TOTAL COST, $7555
Bond, limit, forfeit, none. Plans and specifications filed.

JANUARY BUILDING PERMITS TOTAL FIVE AND ONE HALF MILLION DOLLARS

Chief Inspector of Buildings, John P. Horgan of the Board of Public Works, in his monthly review on San Francisco building operations, reports the issuance of 620 permits, representing an expenditure of $5,528,978. Included in the month's activities is the sub-structure of the huge terminal for which the State Harbor Commission has let contracts in the China Basin. This portion of the project will cost $761,343. Permits to make alterations and additions to standing structures totaled $2, 662,255, and for new frame buildings, mostly residences, $1,271,402.

A segregated list of the month's operations follow:

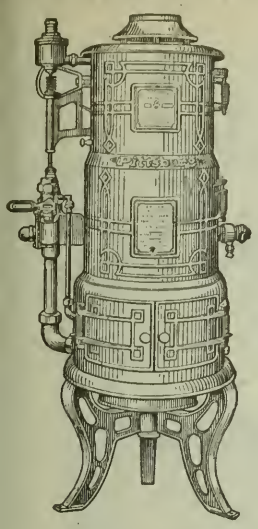
	Number	Amount
Class C	24	$ 773,875
Frames	210	1,271,402
Alterations	383	2,662,255
Public	2	60,103
Harbor	1	761,343
TOTAL	620	5,528,978

PAVING PLEDGED

If the $60,000 bond issue to pave street intersections in Marysville carries at the January 16 election, the city trustees will grant petitions of property owners to pave forty-seven blocks of streets. Carrying out the program would mean the paving of practically every important residence street in Marysville. The business district and much of the residence district is paved. The addition of forty-seven blocks of paving would extend the hard surfaced streets to serve all parts of the city.

Denver is the gateway to twelve national parks and thirty-two national monuments.

Denver, rapidly becoming a city of home owners, issued permits for 1,250 brick and frame houses last year to cost $3,000,000.



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SAN FRANCISCO, CALIF., FEBRUARY 11, 1922

Published Every Saturday
Twenty-second Year No. 6

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Des Moines	Kansas City	New York	Salt Lake City	Washington, D. C.

Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday — SAN FRANCISCO, CALIF., FEBRUARY 11, 1922 — Twenty-second Year No. 6

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W. A. ALEXANDER JOINS STAFF OF CEMENT ASSOCIATION

W. A. Alexander has been appointed District Engineer in charge of the Helena, Montana, office of the Portland Cement Association, and will maintain offices in the Power Building, that city.

Mr. Alexander's experience in the engineering and contracting field extends over a number of years, and covers railroad, irrigation, drainage and hydro-electric engineering as well as work in the city engineering department of Salt Lake and as chief engineer for a contractor in Boise, Idaho.

Entering the military service early in 1917, Mr. Alexander was later commissioned Captain, served as instructor in the 4th Officers Training School at Camp Lewis, Washington and from September, 1918 to early in 1919, was stationed at Camp Grant, Illinois, in command of the 3rd Company Infantry, Central Officers Training School.

About a year ago Mr. Alexander entered the employ of the Portland Cement Association, and has since been conducting educational and promotional work in southern Idaho.

STATE EXAMINATION FOR BRIDGE FOREMAN

The California Civil Service Commission, Forum Bldg., Sacramento, announces it will hold an examination in San Francisco, February 18th and in Sacramento on February 20th, for the position of "General Foreman of Maintenance and Repairs, Bridges," a position paying from $190 to $210 a month, with necessary traveling expenses and maintenance when away from headquarters. Applications must be filed before February 11th, and may be had from the State Employment Bureau at San Francisco, Oakland, San Jose, Fresno and Stockton.

CONSTRUCTION RECOVERY IS UNDER WAY

A definite assurance that construction recovery is under way and that it is the first phase of a general business revival sums up the results of the Construction Conference held in Cleveland, by the Associated General Contractors of America. Evidence of this fact, both statistical and informal, abounded in the discussion of the delegates and in the papers presented as a part of the program.

Col. Leonard P. Ayres, who was chief statistical officer of the A. E. F. and who is now vice-president of the Cleveland Trust Co., expressed the belief that prices will continue to fall, intermittently, for ten or twenty years more, but conveyed assurance that the construction industry will be immune to many of the embarrassments of the coming period, because it supplies a market in which their is a latent demand equal to 2¼ years normal production of building.

"In other words," said Col. Ayres, "construction can go along for nine years at 25 per cent above normal and only fill the normal demand by the end of that time."

Col. Ayres said that building finance problems had commenced to adjust themselves, through greater abundance of money. "The acrimonious discussions between yourselves as contractors and ourselves as bankers are about over," he remarked. "Within six months so much money will be for borrowers that owners will be able to arrange building loans on pre-war terms."

Charts shown by Col. Ayres indicated a sub-normal volume of building for every year since 1912. Even the apparent large building figures for 1919 and 1920 were only apparent, he declared. The cost was large but the building was far behind even the current needs of the time. The only time in the last nine years when the volume has gone above average requirements was for the last few weeks of October, 1921. This was chiefly residence building, but it shows in Col. Ayres opinion that the tide is rising rapidly. He declared that building prosperity is always the first phase of general revivals and that it disseminates prosperity more widely than any other type of activity.

MAJOR GOETHALS, CANAL BUILDER, TO REPORT ON COLUMBIA BASIN PROJECT

Major General George W. Goethals, builder of the Panama canal, has been chosen to survey the Columbia Basin Irrigation project in Washington, involving 1,750,000 acres of land. Director D. A. Scott of the state department of conservation and development wired General Goethals that the state would guarantee full payment of the $20,000 required for his services. Spokane had deposited to the credit of Director Scott the sum of $5,000 which with the $15,000 available from the Columbia Basin Survey fund made up the $20,000 required. The chief problem of General Goethals will be to decide between two proposed systems of watering, the pumping plan which would require the erection of a large dam on the Columbia river, lifting the water some 400 feet, and the gravity system from the Pend Oreille river.

PORTLAND CEMENT OUTPUT IN DECEMBER

The production of finished Portland cement in the United States in December, 1921, was approximately 6,559,000 barrels. As compared with the production in November, 8,921,000 barrels, this represents a decrease of 2,362,000 barrels. A seasonal decline was to be expected, and though the production in December, 1921, was less than in December, 1920, it was about 14 per cent more than the average for December from 1917 to 1921. The production in 1921, 98,293,000 barrels, was over 98 per cent of that in 1920, and was greater than that for any other year except 1920.

The shipments in December, following the usual trend, showed a decrease from those in November. The movement in December, 3,697,000 barrels, was over 9 per cent greater than that in December, 1920, but was slightly below the average for December during the last five years. The shipments made during the last half of 1921, 54,976,00 barrels, were approximately the same as those made during the last half of 1920. The total shipments in 1921, about 95,051,00 barrels, were nearly 99 per cent of those in 1920.

Stocks of about 11,938,000 barrels of finished cement were in the hands of manufacturers at the end of 1921, as compared with 8,941,046 barrels at the end of 1920. This total exceeded the average stocks in hand at the end of the year from 1917 to 1921, by over 27 per cent. From April until October stocks of finished cement decreased steadily, but in November and December they increased. Stocks are usually accumulated during the colder months in anticipation of the large requirements in the months of active demand.

The statistics shown in the following table, prepared under the direction of G. F. Loughlin, of the United States Geological Survey, are based mainly on reports of producers of Portland cement, but in part on estimates.

The Bureau of Foreign and Domestic Commerce; of the Department of Commerce, reports that imports of hydraulic cement in December amounted to 25,327 barrels, valued at $57,064; the total for 1921 was 122,317 barrels, valued at $388,828. The total imports in 1920 were 524,604 barrels, valued at $1,254,729. The exports of hydraulic cement in December were 96,300 barrels, valued at $282,074; the total exports in 1921 were 1,181,024 barrels, valued at $4,277,135. The exports in December, went to Cuba and the other West Indies, 48,781 barrels; South America, 25,828 barrels; Mexico, 11,203 barrels; Central America, 6,238 barrels; Philippine Island, 3,205 barrels; Canada 266 barrels; other countries, 779 barrels. The exports in 1920 amounted to 2,985,807 barrels, valued at $10,045,369

SUISUN-CORDELIA ROAD BIDS ASKED

F. A. Steiger, Solano county surveyor, has completed specifications and bids will be opened by the supervisors at Fairfield on March 6 for grading and paving with asphaltic concrete about 6½ miles of road between Suisun and Cordelia. The project will consist of a road 5-inches thick and 15-feet wide, involving 10,000 cu. yds. of grading and 600 linear feet of culverts with concrete end walls and will cost approximately $120,000.

The Observer

Frederick S. Harrison, Sacramento architect, expresses the hope that the architects and builders of Sacramento will get together and hold an architectural and building exhibit similar to that of the Stockton Architects' Association which recently closed an eight-day display. Harrison was one of many visiting architects to the Stockton show and declares it fulfilled its purpose by educating the public along building lines, furnishing a better appreciation of the necessity of systematic planning for all types of buildings—and further—proving to the prospective builder that NOW is the time to build.

A building exhibit in Sacramento would do much towards furthering construction in that section. At the present time building activities in Sacramento and immediate vicinity are proceeding at a rapid pace but none too rapid to satisfy the demand. The time for a building exhibition was never more appropriate for Sacramento than the present. With the Capitol Extension structures soon to undergo construction and a huge school building program underway the prospective builder would realize, after viewing a building exhibit, that the time to build is NOW. Let the Sacramento Builders' Exchange make the building exhibit proposal a special order of business for the next meeting. Let it co-operate with the architects in putting a display of building materials before the interested public. Enlist the aid of the Chamber of Commerce and the newspapers, and bring—through the building exhibit—a construction boom that will echo in all parts of the country.

John M. Gries, Chief, Division of Building and Housing, advises the Observer on preliminary figures showing the percentage which the amount paid to each labor group bears to the total labor cost of a six-room house:

Trade	Frame house	Brick house
Carpenters	49.6	32.2
Bricklayers	6.2	21.5
Hod carriers	2.2	6.7
Plasters	7.9	8.8
Plumbers	8.7	7.6
Electricians	2.6	2.5
Painters	10.0	6.3
Common laborers	6.3	9.9
All others	6.5	4.5
Total	100.0	100.0

These averages were constructed from reports covering a large number of six-room brick and frame houses throughout the country.

The relation of the amount paid to the various groups to the total labor cost varies according to the types of construction prevailing in the various localities; however, these averages give a fair view of the general distribution of labor costs.

Bids for constructing the Arroyo de la Sacatella storm sewer will be considered by the Los Angeles Board of Public Works on April 10th. The project will cost in the neighborhood of $2,500,000 and will be built under the Vrooman Act. Main lines, not including connections to catchbasins, will total about 80,778.71 feet, part of which will be monolithic reinforced concrete and part reinforced concrete pipe. The district embraces about 16 square miles in Hollywood and the western part of the city.

The Dorite Manufacturing Co. of New York and San Francisco has opened a Los Angeles office at 600 Metropolitan Building. The company is engaged in the mining of magnesite, having deposits in Sonoma county, and manufacture stucco, flooring and table tops. Its products have been in use about 10 years, the company having operated largely heretofore in northern California. Recently it has extended its field to New York state and the Hawaiian Islands. E. Hall Falle, well known New York architect, is the head of the company.

"American Lumberman," of Chicago, says: Confidence rules the lumber market. Many buyers are traveling through producing regions sizing up stocks and in many cases placing substantial orders. Buying by industrials shows increase, while retail lumbermen are taking more and more material, with result that prices are extremely firm. Stocks are not overlarge and it will not take a great increase in demand to make it very hard to place business.

Under the slogan, "Make California A Commonwealth of Homes," the California Real Estate Association and the Home Builders' Association of San Francisco will on February 15th, launch a state-wide "Own Your Own Home" and "Build Now" campaign. It will be carried into every city, town and hamlet in California.

Such a campaign is timely. It is estimated that 1,500,000 new homes are needed in the United States, of these, 250,000 are urgently needed in California.

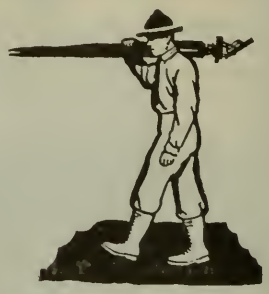
Reno (Nevada) labor leaders are inclined to view the proposed organization of a Builders' Exchange with suspicion. These organizations in other cities have almost invariably been used in efforts to combat union labor, they say, and they fear that such will be the case in Reno. On the other hand, they admit that such an organization, would be beneficial to the building industry and the city at large.

Authority has been received from the War Department to dispose of the majority of the old buildings, commonly known as the Benicia Barracks, by public auction. The date of the auction is March 10th. The buildings will be open for inspection a week before that date. Colonel E. P. O'Hearn, Commanding Officer at the Benicia Arsenal, will give out information as to the conditions of the sale.

The Crown Sash, Door and Mill Co., 860 W. Slauson Ave., Los Angeles, is building a new plant in that city. The firm recently sold its plant at Harbor City to George F. Hopkins, who is operating it under the name of Harbor Sash, Door and Mill Co. This change in no way effects the business of the Los Angeles concern, of which C. R. Blankenship is manager.

Building permits granted in Sacramento during the month of January, 1922, exceeds the entire year of 1917 or 1918. January construction totaled $1,897,862. During the month 249 permits were issued, 120 of these being for new buildings, totaling $1,806,844. For the same period in 1921 the totals were 129 permits, $148,712.

ALONG THE LINE



Dexter S. Kimball, president of the American Society of Mechanical Engineers and dean in the college of engineering at Cornell University, will be in San Francisco this coming summer to co-operate as the representative of engineers of the East in the project to erect a Western home for the engineering interests, similar to one in New York. He will also tour Pacific Coast cities and lecture before the engineering societies in San Francisco, Spokane, Seattle, Los Angeles and elsewhere.

The Tacoma Society of Architects in conjunction with the Tacoma Chapter American Association of Engineers has been authorized by the city council to prepare a new building ordinance. The building codes of Portland, Spokane, Seattle and Chicago will be used in developing the new laws.

The Montana Association of Electrical Contractors and Dealers will hold its semi-annual meeting at Butte, March 6th and 7th. Officers of the state association are: James H. Mills, Great Falls, president; E. Shelly, Livingston, vice-president; Frank Venable, Butte, secretary.

W. E. Whalin, president of the Alameda County Builders' Exchange, announces plans are being prepared for $10,000,000 worth of construction to be undertaken in Oakland this year. It is said that this work is in addition to projects already announced.

Laurence Thompson, engineer in charge of the Gordon Valley water project, for the City of Vallejo, has resigned and Engineer C. E. Grunsky of San Francisco, appointed to fill the vacancy.

Daniel R. Huntington, for the past twelve years city architect of Seattle, has opened offices in the Alaska Building, that city, and will engage in private practice.

Weed Lumber Co., has started construction of an addition to its sash factory at Weed, Siskiyou County. Addition will be 300 ft. long and 100 ft. wide. New machinery will be installed.

Orrin E. Stanley, assistant city engineer of Portland, Ore., has been elected president of the Portland Municipal Civil Service Ass'n., for the ensuing year.

Chas. L. Burnett, mayor of Exeter, and former manager of the Exeter Lemon Cove Lumber Co., has leased property in that city and will operate a lumber yard.

Steps are being taken in Amador County to bond for $220,000 to build a system of good roads.

Obe F. Lebourveau, superintendent of streets of Marysville, Calif., died February 3rd.

:: WASTE IN INDUSTRY ::

An address delivered by J. Parke Channing, at the National Convention of the Associated General Contractors, Cleveland, Ohio.

In assigning the relative responsibility for waste, 50% of this responsibility has been placed at the door of management and less than 25% at the door of labor. In assessing this responsibility there has been no purpose or desire to place blame upon any individual, group or class. Waste, like industry itself, is the result of a slow growth but undoubtedly the greatest opportunity today for correcting it is in the hands of management. By management is meant all of those engaged in industry from foreman up to the financial heads of the concern. The importance of management has been shown by that terrible experiment conducted in Russia, in which an attempt was made to carry on industry by the workman himself. It has failed miserably and now its pretagonists are asking that technical men come into Russia to reestablish its industries.

The causes of waste may be generally classified under the heads of Low Production, Interrupted Production, Restricted Production and Lost Production. Low Production is caused by faulty material control, faulty design control, faulty production control, lack of cost control, lack of research, faulty labor control, ineffective workmanship and faulty sales policies. Interrupted Production is caused by idle men, idle material and idle plants. Restricted Production comes about either by restrictions of the owners of management or by labor. Lost production is largely due to ill health, physical defects and accidents.

The recent Conference on Employment makes suggestions toward correcting interrupted production due to idle men. Probably of all things this is the most vital. It is unfortunate that in a country like this United States we should have idle men when we have such rich resources and such demands for finished goods. A large portion of this unemployment is due to booms and depressions, and while we do not thoroughly understand the causes of these cycles, we are getting nearer and nearer to the truth, and I believe that we can look forward to a time when the peaks and valleys will be nearly leveled out.

The one thing, to my mind, that stands in the way is a psychological one, and that is that when we are in a boom period we fail to realize it, imagine conditions are normal and that the real boom is ahead of us. It is only a few far-sighted and sound-thinking men who realize the actual condition. It is incumbent upon owners and managers to study this question thoroughly to see that information is collected and distributed and to properly interpret it.

I believe that proper industrial relations is one of the most important factors in stabilizing industry. Professor John R. Commons, of the University of Wisconsin, has very properly said if all managers and owners treated their men fairly there would be no need of labor unions, but because owners and managers have not followed the Golden Rule the laborers have been forced to organize for their own protection. I believe that in well stabilized industries where the changes in personnel are at a minimum there is less friction between management and labor. In industries of this class, men get to know the management and the management to know their men. Their peculiarities and individualities, their capacities for particular kinds of work are realized and the results are generally good.

One reason that there is so much waste in the building industry and so many restrictions on the part of labor is the constantly changing personnel.

Following along this line, you will note that the Committee assesses 25% of preventable waste as against outside contracts; for example, the public. And this means that the public itself must be educated to the necessity of a smooth and regular operation of industry and must not demand the impossible and must realize that everyone cannot have his wants filled at the same time.

In adopting a program of seasonal construction in different geographic divisions of the country. I, of course, realize that there is a serious problem in attempting to move labor from one part of the country to the other. A competent mechanic usually has his home in some town and dislikes to move frome place to place, but there is a possibility that a certain proportion of the men, particularly those unmarried, may follow this plan.

Among the things which the Committee recommended is proper production control so that material always will be on hand and delivered when needed; that the plant and equipment should be kept continually in working order; that one should have a uniform system of cost accounting and particularly that the methods of wage payment should be equitable and just in pursuing the proper relationship between the efforts put forth and results achieved by all who participate in the enterprise. All of these recommendations seem perfectly obvious but it is astonishing the number of instances in which they are neglected.

Especial attention was called to the fact that wage methods are wholly futile in the absence of standardization and system in the work. In a great many cases, proper production standards and proper control of the work will, without any special wage method, accomplish a large part of the desired results.

Management is also responsible for the prevention of accidents in industry and a "safety first" campaign not only has its humanitarian effect but results in an actual saving in dollars and cents. This, of course, is recognized in the various workmen's compensation acts in which the cost of death and accidents is directly paid by the industry and becomes one of its charges. The lower this charge, the less will be the cost of production.

Among the responsibilities of labor is that of increasing production. Among the unenlightened, the idea that there is a fixed amount of work to be done in the country, and that the less a man does the longer the work lasts and the more men are employed, is of course an economic fallacy but is held by a great many men. There never was a greater fallacy than this, and I am glad to say that the best minds in labor circles realize its fallaciousness. Still, it must not be forgotten that labor has had many sad experiences in the last eighty years in which the result of increased effort, both mental and physical, has not been rewarded as it should be but has been entirely appropriated by capital.

The government can give aid in the elimination of waste, and the most important thing is the establishment of a national Industrial Information Service, so as to furnish accurate and timely information on production, consumption and stocks of commodities. In addition, I believe that the government could with propriety establish an Employment Service; perhaps not distinctly under federal control but at least correlating the employment services of the various states. There seems to be a feeling that this is a legitimate field for the government and one which should not be relegated to private individuals.

There is also the suggestion that the federal government should organize a plan to adjust disputes in general industry, and you will recall as a result of this, in the early part of 1920, the President of the United States called an industrial conference, of which Mr. Herbert Hoover was Vice-chairman. The suggestions of this conference seem sound but for some reason they have not been followed. Why, I do not know. It should be borne in mind that this conference did not advise compulsory arbitration; in this, I think they were wise, because, if I judge correctly, the results of compulsory arbitration in Australia and New Zealand have not been satisfactory. It is interesting to note, however, in the report of Waste in Industry, that the losses due to strikes and lockouts are nowhere near as great as people have imagined.

Undoubtedly the government can help in the waste by putting into effect a national policy regarding public health. Many industries look out for the health of their employees but curiously enough in a great many cases labor is opposed to physical examination of employees. Only a campaign of education will overcome this prejudice. A careful man knows that he should be examined by his physician at least once a year, so that physical defects may be caught in time, and

SACRAMENTO FACES BIGGEST BUILDING YEAR

Sacramento faces the year 1922 with the biggest building program in its history, with improvements already under way or projected running close to the $15,000,000 mark aside from the building of new homes and schools, business, commercial and industrial construction.

Included in this program is the completion of the $2,700,000 filtration plant. The $3,064,000 school program also will be completed in 1922, with a possibility of an additional expenditure of $750,000 or more to finish the new high school, which amount is not included in the aggregate given.

The largest of the new jobs will be the commencement of work on the $3,000,000 Capitol Extension buildings on the blocks bounded by Ninth and Tenth, L and N streets. Ground for these improvements is expected to be broken around March 1, following which the two structures will rise simultaneously as rapidly as the work can be carried on.

there is no reason, or rather there is every reason why every man in the country, be he a brain-worker or a worker with his hands, should be periodically examined and advised of his condition and the steps that he should take to make himself efficient.

We need industrial standarization and fortunately in this respect the Bureau of Standards of the Department of Commerce, under Mr. Hoover, is doing excellent work. In addition, various engineering societies are working on standardization and are cooperating with the Bureau of Standards.

There is undoubtedly a desirability that certain of the federal laws should be revised so as to permit closer cooperation. In coal mining, for example, stabilization cannot be obtained except through the proper cooperation of the large consumers, the railroad, the operators and labor. Probably, of all the major industries, there is not one so badly organized as that of soft coal mining. It is over-equipped, both as regards plant and personnel, and the soft-coal miner, instead of being able to get 300 days of work as he should, gets, I believe, about 190, and this means that there are altogether too many men ready to mine coal, and that part of them should be diverted to other industries and the balance assured regular and continuous work.

I believe that the one thing the Congress of the United States can do to reduce waste in industry is to modify the anti-trust laws so as to permit consolidations now prohibited. A certain supervision would have to be exercised, permitting a fair return on the investment, adequate allowance to capital and management for the risks taken but looking out that the natural resources of the country were conserved and the consumer not overcharged.

TRANSCONTINENTAL RATES CUT BY SOUTHERN PACIFIC

Reductions in transcontinental eastbound freight rates on nitric, sulphuric and nitrating acids, kalsomine, insulating material and boiler pipe covering ,and westbound rates on iron or steel barrels, drums and kegs, besides reduced export rates on tobacco moving through Pacific ports, are announced by the Southern Pacific.

The rate of 1.25½ per 100 pounds on acids from Pacific Coast points to the east will be reduced to $1.00. Kalsomine subject to carload rate of $1.58½ to points west of the Missouri river will be reduced to $1.25. Insulating material rates ranging from $2.25½ to New York to $1.56½ to Colorado points, from the Pacific Coast, will be reduced to $1.88 and $1.39.

The carload rates on iron or steel barrels, etc., ranging from $2.58½ to $1.87½ (22,000 lbs. minimum carload weight) will be reduced to $2.14 and $1.65 from eastern points. The rate on carloads minimum weight 16,000 lbs., now ranging from $2.83½ to $2.11½ will be reduced to $2.39 and $1.90.

The export rate on cigarettes and cut or granulated manufactured tobacco, minimum carload weight 36,000 lbs., will be $1.15 and on plug or twist tobacco $1.10, minimum weight 40,000 lbs.

The rates from points east of Chicago and the Mississippi river cannot be published until the eastern lines concur, but the effective date of the reductions from points west of the Mississippi river will be announced as soon as the tariffs can be published.

Denver's mountain parks system of 7,000 acres, located twelve miles from the city's boundaries, had 600,000 visitors last year.

Building in San Francisco Since 1906 Totals Half Billion

New forms of steel, concrete and stone, that materially altered San Francisco's fretted skyline in 1921, represented a large part of the year's construction of $29,153,472, according to a carefully compiled report prepared for the San Francisco Chamber of Commerce. This brings the total construction since 1906 near to the half billion mark.

Including building of all types in that fifteen-year period, the half-billion dollar mark has been reached, if not exceeded. The total building contracts recorded in San Francisco since 1906 amount to $433,530,148. This figure, however, is exclusive of construction work done by the municipality, the state, the United States government and the Panama-Pacific International Exposition.

There have been bigger construction years in San Francisco than 1921, the total building operations of $29,153,472 comparing with a total of $32,869,009 for 1920.

During 1921 there were 9,736 sales of San Francisco real estate, representing a total of $80,863,796.

This total of real estate sales was the largest but one in the city, it is pointed out by William Magee. It was only exceeded by the sales of 1920, which amounted to $82,641,161.

During 1921 unusual activity was apparent both in sales of real estate and in building operations in the downtown district of San Francisco.

Every type of industrial, commercial and office building is included in the new structures that were erected in the city during the year and among those on which work is now in progress.

Both in new construction and in improvements, theatres and banks represent many millions in the work completed or in hand.

Buildings erected for special purposes represent other large investments. The Don Lee building, on Van Ness avenue and O'Farrell street, used as selling and distributing headquarters and for automobile storage and garage space, cost in the neighborhood of $1,000,000, and is one of the finest structures of its kind in the West.

The Grocers Terminal, built by the Southern Pacific at Third and Channel streets and costing close to $2,000,000 with spur tracks and equipment, is another of these new industrial buildings. It was built as the result of joint negotiations conducted by the San Francisco Chamber of Commerce and the wholesale grocers of the city.

New theatres costing a million or more include the Granada, at Market near McAllister and Jones streets; the Orpheum's Golden Gate, at Taylor and Golden Gate avenue, and Loew's Warfield, at Market and Taylor streets.

The steel for the new Curran theatre is being installed on the site of the south side of Geary street, west of Mason.

The Alexander building, standing like a slim Gothic tower on the southwest corner of Bush and Montgomery streets, and the California-Commercial Union building, a sixteen-story structure of blithe Italian renaissance, on the northwest corner of Pine and Montgomery streets, unite in adding to the skyline magic of one of the most bustling business canyons of San Francisco.

The Alexander building, erected for the Crocker estate, is already partially occupied, and the California-Commercial Union will be ready for occupancy soon, with self-leveling elevators and other last-minute interior features.

A block away from the Alexander building, at Bush and Sansome streets, the drumfire of the electric riveting guns being used on the structural steel of the new 22-story building of the Standard Oil Company of California, is a daily din. Contracts call for initial work on this building in the neighborhood of $2,400,000, but it will ultimately represent a building investment of around $4,000,000, and be the most impressive skyscraper in the West.

The Anglo & London Paris National Bank, at Sansome and Sutter streets, is building an extension to its present quarters that will connect up with the Standard Oil building and give it much needed room. The bank will occupy the first and second floors on the Sansome street side of the Standard Oil building.

The new home of the Bank of Italy, at Powell and Eddy streets, costing over $1,000,000; an extension to the First National, at Montgomery and Post; an extension to the Wells Fargo Nevada National, directly across the street, on the east side of Montgomery; and a new uptown branch of the Anglo-California Trust Company, adjoining the Granada theatre at McAllister, Jones and Market streets, are among the improvements made by financial institutions during the year.

Work of razing the old buildings on the site of the New Matson building, Market and Main streets, is now under way. This building, which will be the home of the Matson Navigation Company, and have office quarters for a number of companies having Hawaiian Island interests, will represent an investment, with the cost of the site, of close to $2,000,000.

The sixteen-story Balfour building, at California and Sansome streets, an investment in the neighborhood of $4,000,000, was among the new skyscrappers that were erected during the year in the heart of the city's financial district.

The California State Building, on the McAllister street side of the Civic Center, is nearing completion, costing when ready for occupancy, something over $1,500,000.

Contracts have been let for the $2,500,000 China Basin Terminal, which will be one of the big construction jobs of this year.

The terminal is being built by the State Board of Harbor Commissioners from plans drawn by Frank G. White in the area between the Embarcadero, China Basin, Third and Berry streets. White, a member of the Harbor Board's engineering staff, toured the United States and Canada studying warehouses of the most modernly equipped ports before contemplating plans for this terminal, which will embody the best features of all recently erected buildings of its type.

It will be a six-story structure of reinforced steel and concrete. The two lower floors will be used for transit sheds and the upper floors for warehouses. Steamers of the largest draught will be able to discharge cargo alongside the China Basin Terminal, which will have electrically operated cranes, spur track facilities, ramps for motor trucks and other carefully worked-out features.

Insurance companies of San Francisco, which acts as the clearing house for $200,000,000 of insurance done annually west of the Rocky mountains,

(Continued on Page 30)

Building News Section

APARTMENT HOUSES

Contractors to Take Sub-Figures Shortly.
APARTMENTS Cost, $120,000
SAN FRANCISCO. N Geary Street 80 E Polk Street.
Five-story Class C apartment house (40, 2-room apts.)
Owner—Frederick Saunders, Gdn Est. Carrie Irones.
Architect—Griewank & Buckley, Call Bldg., San Francisco.
Contractor—Schultz Constr. Co., 46 Kearny St., San Francisco.

Contractor Taking Sub-Figures.
APARTMENTS Cost, $70,000
SAN FRANCISCO. W Hyde 87 S Geary
Reinforced concrete Class C apartment building (60 rooms).
Owner—M. Stichen.
Architect—E. A. Baumgarten.
Contractor—W. S. King, 135 Webster St., Oakland.

Contract Awarded.
APARTMENTS Cost, $23,493
OAKLAND, Alameda Co., Cal. E Broadway 100 N 40th Street.
Three-story frame apartments.
Owner—Jeannette M. Stormer.
Architect—A. W. Smith, 1010 Broadway Oakland.
Contractor—Thos. Rutherford, 985 35th St., Oakland.

Plans Being Prepared—Contract Awarded.
APARTMENTS Cost, $100,000
SAN FRANCISCO. Downtown district.
Six or seven-story Class A apartment house.
Owner—Geo. W. Burnett.
Architect—Chas. Skidmore, 426 Call Bldg., San Francisco.
Contractor—Harry Warwick, Call Bldg, San Francisco.

Contractor Taking Sub-Figures.
APARTMENTS Cost, $35,000
SAN FRANCISCO. S Clay E Hyde.
Three-story and basement frame and plaster apartment building(12, 3-room apts. and 10 garages in rear.
Owner—Geo. W. Burnett.
Architect—C. H. Skidmore, 426 Call Bldg., San Francisco.
Contractor—Harry C. Warwick, 3191 Washington St., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $35,000
SONORA, Tuolumne Co., Cal.
Two-story reinforced concrete of brick apartment and store building (18, 2-room apartments).
Owner—Withheld.
Architect—Chas. H. Young, Commercial Savings Bank Bldg., Stockton.

Plans Being Figured.
APARTMENTS Cost, $80,000
BERKELEY, Alameda Co., Cal. Shattuck Ave. and Haste St.
Four-story reinforced concrete and frame store and apartment house building (36 2 and 3-room apts.)
Owner—Mrs. M. Meriwether.
Architects — Schirmer-Bugbee & Co., Thayer Bldg., Oakland.

Plans Being Prepared.
APARTMENT HOUSE Cost, $16,000
SAN FRANCISCO. Near Divisadero.
Three story frame apartment house (6 3-room apartments).
Owner—Withheld.
Architect—Arthur G. Scholz ,Phelan Bldg., San Francisco.

Figures Being Taken For Plumbing, Heating and Electrical Work.
APARTMENT HOUSE Cost, $175,000
SAN FRANCISCO. N O'Farrell W Jones.
Seven-story reinforced concrete apartment house.
Owner—Carl Peterson, Sharon Bldg., San Francisco.
Architect — August Headman, Call Bldg., San Francisco.

Plans Being Figured.
APARTMENTS Cost. $20,000
SAN FRANCISCO. W Twenty-first Ave. betweent California and Clement Streets.
Three-story frame and plaster apartment house (6 3-room apts.)
Owner—W. Rieck.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Figures are being taken for a general contract.

Plans Being Figured.
APARTMENT HOUSE Cost, $35,000.
BURLINGAME, San Mateo Co., Cal.
Three-story frame and plaster apartment house (8, 3 and 5-room apts).
Owner—F. Gottlicher.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Figures are being taken for a general contract.

Plans To Be Prepared.
APARTMENT HOUSE Cost, $——
SAN FRANCISCO. NW Taylor and O'Farrell Sts.
Ten-story Class C apartment house.
Owner—M. J. Savage.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.
Construction will not be started for more than six months as Mr. Savage is in Europe.

Plans Completed.
APARTMENTS Cost, $40,000
SAN FRANCISCO. SW Hyde and Pine Streets.
Three-story and basement frame (15) apartments.
Owner—W. Props, 1665 Clay St., San Francisco.
Architect—Not given.

Contract Awarded.
APARTMENT HOUSE Cost, $15,000
SAN FRANCISCO. N Pine 43 E Jones.
Three-story and basement frame (6) apartments.
Owner—Blankenburg & Williamson, 105 Montgomery St., San Francisco.
Architect—None.
Contractor — E. Blankenburg, 105 Montgomery St., San Francisco.

Young man seeks financial interest in reliable firm, manufacturing, staple line, building material or contracting, capable superintendent or assistant—best of references.
Address Box EG—c o Building and Engineering News.

Contract Awarded.
APARTMENT HOUSE Cost, $20,000
OAKLAND. E Manila Ave. opposite Cavour.
Two-story frame 26-room apartment house.
Owner—Harvey B. Franklin, 1534 Franklin St., Oakland.
Architect—None.
Contractor — California Builders Co., 1534 Franklin St., Oakland.

Contracts Awarded.
APARTMENTS Cost $25,000
SAN FRANCISCO. SE Twelfth Avenue and Lake Street
Three-story and basement frame (2) apartments.
Owner—C. S. Hoffman, 1541 Howard St., San Francisco.
Architect—C. O. Clausen, 1128 Hearst Bldg., San Francisco.
Plumbing to J. Gibbs, 1708 Geary St., $4,000.
Heating to Atlas Heating Co., 4th and Freelon Sts., $2200.
Plastering to C. Terranova, 180 Jessie St., $4300.

Contract Awarded.
APARTMENTS Cost, $130,000
SACRAMENTO, Cal. Lot 5 Elk Bldg. by E. F, 7th and 8th Sts.
Three-story brick and frame (45) apartments.
Owner—Mrs. Anna Gaskill and Associates.
Architect — Frederick S. Harrison Peoples Bank Bldg., Sacramento
Contractor—A. W. Norris, Peoples Bk. Bldg., Sacramento.

Figures to be Taken Next Week.
APARTMENTS Cost, $30,000
SAN FRANCISCO. Brosnan Street.
Three-story frame apartment house (12 3-room apts.)
Owner—Mr. H. Faber.
Architect—Frederick W. Quandt, Monadnock Bldg., San Francisco.
Separate bids for general contract plastering, plumbing, electrical work, painting and hardwood floors.

LODI, San Joaquin Co., Cal.—Wilson H. Thompson will erect at southwest corner of School and Oak Sts., a two-story class A store and apartment building, 85 by 95 ft.

SAN FRANCISCO—Architect C. A. Muessdorffer, Humboldt Bank Bldg., is taking figures for plastering in connection with the construction of a 7-story reinforced concrete apartment building on the northwest corner of Washington and Gough streets.

BANKS

Plans Being Prepared.
BANK Cost, $40,000
PLACERVILLE, El Dorado Co., Cal.
One-story reinforced concrete bank building.
Owner—Bank of El Dorado County
Architect—E. C. Hemmings, Ochsner Bldg., Sacramento.
Figures are being taken for a general contract.

Plans Being Figured.
BANK BUILDING Cost, $40,000
SUNNYVALE, Santa Clara Co., Cal.
One-story brick or reinforced concrete bank building.

Owner—Bank of Italy (see Mr. Cuneo, San Francisco).
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.
Figures are for general contract.

Plans Being Figured.
BANK BUILDING Cost, $40,000
OAKLAND, Alameda Co., Cal. 56th and San Pablo Ave.
One-story reinforced concrete or brick bank building.
Owner—Bank of Italy (see Mr. Wm. Cuneo, San Francisco).
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.
Figures are for a general contract.

Plans Being Figured.
BANK BUILDING Cost, $——
ALAMEDA, Alameda Co., Cal.
One-story reinforced concrete or brick bank building.
Owner—National Bank of Alameda.
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.
Figures are for general contract.

LODI, San Joaquin Co., Cal.—The City Improvement Co., has been organized at Lodi to erect a modern banking structure for the Citizens' National Bank of Lodi at the northwest corner of School and Oak streets; building will cover an area of 50 by 75 ft. and will be of brick construction with terra cotta trimmings. Details are withheld until plans are further advanced.

BONDS

DINUBA, Tulare Co., Cal.—The High School Trustees will call an election to vote bonds of $65,000 to finance construction of a science hall for the high school group. Architect Ernest J. Kump, Rowell Bldg., Fresno, will prepare plans.

HONCUT, Butte Co., Cal.—Proposed bond election to be held Feb. 27, in Honcut-Yuba Irrigation District has been indefinitely postponed, pending approval of plans for construction of work by State Engineer.

SAN MIGUEL, Cal.—Bonds of $10,000 to acquire or construct a water system have been voted.

JACKSON, Amador Co., Cal.—Petitions being circulated asking supervisors to call election to decide question of issuing and selling bonds of $220,000 to finance construction of good roads system.

BAKERSFIELD, Kern Co., Cal.—Until Feb. 20, bids will be received by the Supervisors for the purchase of the $18,500 bond issue of the Rosedale School District and $10,000 issue of the Delano Union Grammar School District; proceeds of the sale in each instance to finance school improvements.

SANTA ANA, Orange Co., Cal.—A bond issue of $10,000 for ornamental lights, lawn sprinkling system and other improvements at Birch Park will be submitted at an election in March.

SANTA ANA, Orange Co., Cal.—A bond issue of $172,000 for the proposed joint outfall sewer to the ocean, to be built by Santa Ana and Anaheim, and a bond issue of $149,000 for main sewer lines from Santa Ana to joint treatment plant, will be submitted to voters of Santa Ana in March.

SANTA ANA, Orange Co., Cal.—If bonds are voted by City W. Seventeenth St. from Bristol to city limits will be paved with 6-in. concrete and 1½-in. asphalt surface at a cost estimated at $48,000 and W. Fifth St. from Baker to Artesia will be paved with 4-in. and 6-in. concrete and 1½-in. asphalt surface. The city will pay $16,000 on W. Seventeenth St. and $22,000 on W. Fifth St. paving if bonds are carried, property owners paying the balance.

MILLBRAE, San Mateo Co., Cal.—Election will be held Feb. 24, in Millbrae School District to vote bonds of $80,000 for school improvements. Trustees of the district are: Fred A. McNulty, Stephen E. Throwell, and Peter Gouzenes, clerk.

SANTA ANA, Orange Co., Cal.—A bond issue of $75,000 for equipment for generating electricity at the city water works will be submitted at an election in March.

OAKDALE, Stanislaus Co., Cal.—Election will be held Feb. 27, to decide question of issuing bonds of $40,000 for street paving. Entire paving project will cost $120,000, $80,000 of which will be raised through assessment. Geo. Macomber, City Engineer.

SAN JOSE, Santa Clara Co., Cal.—The Supervisors sell $13,000 bond issue of Hester School District for premium of $157. Proceeds of sale will finance school improvements.

MILPITAS, Santa Clara Co., Cal.—February 24, Milpitas School District will vote bonds of $3,900 to finance installation of sanitary toilets, septic tanks and develop water supply for school. Trustees of the District are: Jos. A. Spangler, A. L. Crabb and J. J. Pashote.

TURLOCK, Stanislaus Co., Cal.—Election will be held March 11 in Turlock School District to vote bonds of $36,000 for school improvements. The Trustees of the District are: Wm. N. Graybiel, Charles V. Lundahl and Fred C. Englesby.

LINDSAY, Tulare Co., Cal.—Lindsay High and Grammar School Districts will vote February 27 on the question of issuing bonds of $25,000 to equip the high school and provide funds for paving streets fronting the school. The high school issue will be for $10,000 and the grammar school issue, $15,000.

SACRAMENTO, Cal.—The $60,000 bond issue of North Sacramento School District, to finance addition to school, sold for premium of $4,860. Plans for improvements prepared by Architect E. C. Hemmings, Ochsner Bldg., Sacramento.

LARKSPUR, Marin Co., Cal.—Feb. 18 is date set in Larkspur School District to vote bonds of $50,000 for school improvements. Trustees of the district are: James A. Fay, George Hauser and Frank Schmitt. Plans are being prepared by Architect Norman R. Coulter, 46 Kearny St., San Francisco, for a one-story reinforced concrete school building.

LODI, San Joaquin Co., Cal.—Feb. 17 is date set to vote bonds of $10,000 to finance school improvements in Woods School District. Trustees of district are: Martha D. Garrison, L. T. Mason and George M. Hancroft.

CARUTHERS, Fresno Co., Cal.—Bonds of $60,000 have been voted in the Caruthers Grammar School District to finance construction of a new school.

ST. JOHNS, Ariz.—Bonds to amount of $175,00 for road improvements have been voted by Apache County. Most of the money will be spent on the present transcontinental route from Holbrook through the petrified forest, St. Johns and Springerville.

PASADENA, Cal.—San Marino is seeking to join with Pasadena, South Pasadena and Alhambra in building joint sewage disposal works on the Pasadena sewer farm near Monterey Park. Pasadena will soon submit bonds for its share of the cost.

LOS GATOS, Santa Clara Co., Cal.—March 14 is date set to vote bonds of $120,000 for a new grammar school, plans for which are being prepared by Architects Wyckoff and White, Growers Bank Bldg., San Jose.

McKINLEYVILLE, Humboldt Co., Cal.—Election will be held February 25 in Washington School District to vote bonds of $7,000 for a new two-room school.

CHURCHES

Contract Awarded on a Percentage Basis.
CHURCH BLDG. 1st Unit, $200,000 2nd Unit, $500,000.
LOS ANGELES, Cal. Tenth and Figueroa Streets.
First unit of four-story and basement 80x160 Class A reinforced concrete Sunday school and social department; 2nd unit, six-story Class A church building.
Owner—Immanuel Presbyterian Church
Architect — C. F. Skilling, Bradbury Bldg., Los Angeles.
Contractor—J. Everett Polsey, 1627 Ingraham St., Los Angeles.

Steel Bids Under Advisement.
CHURCH Cost, $——
SAN FRANCISCO. N. Filbert 137-6 E. Powell Street.
Three-story, basement and tower reinforced concrete and steel church and school (189 feet high).
Owner—Roman Catholic Archbishop of of San Francisco.
Architect—Charles Fantoni, 550 Montgomery St., San Francisco.
Figures have been taken for the steel and a contract will be awarded shortly.

Plans Being Prepared.
CHURCH Cost, $60,000
VALLEJO, Solano Co., Cal. Georgia Street.
Fireproof church and rectory (sandstone exterior).
Owner—Ascension Episcopal Church of Vallejo.
Architect—F. A. S. Fiale, Ochsner Bldg, Sacramento.

Steel Contract Awarded.
CHURCH Cost, $——
SAN FRANCISCO. N. Filbert 137-6 E. Powell Street.
Three-story, basement and tower reinforced concrete and steel church and school (189 feet high).
Owner—Roman Catholic Archbishop of San Francisco.
Architect—Charles Fantoni, 550 Montgomery St., San Francisco.
The steel contract has been awarded to Dyer Bros.

Contracts Awarded.
CHURCH Cost, $70,000
SANTA MONICA, Cal.
Frame and plaster church, 110x139.
Owner—Presbyterian Church.
Architect—C. F. Skilling, 430 Bradbury Bldg., Los Angeles.
Contractor — John Simpson & Co., 701 Antonio Ave., Los Angeles.
Plumbing and heating awarded to E. F. P. Nittinger, Santa Monica, $5012. Contracts for plastering, painting, tile roofing, and wiring have not been let.

FACTORIES & WAREHOUSES

Contract Awarded.
FACTORY Cost, $20,000
SAN FRANCISCO. S 16th between Arkansas and Connecticut.
One-story frame factory.
Owner—Real Estate and Development Co., Hearst Bldg., San Francisco.
Architect—None.
Contractor—Geo. Wagner, 251 Kearny St., San Francisco.

Plans Being Prepared.
LOFT BLDG. Cost, $——
LOS ANGELES, Cal. Broadway near Ninth Street.
Seven-story and basement reinforced concrete, pressed brick and terra cotta facing Class A loft building.
Owner—Carleton F. Burke.
Lessee—Southern California Music Co.
Architect—Milwaukee Bldg., Co., 315 Wright & Callender Bldg., Los Angeles.

Completing Plans—Figures to be Taken in a Few Days.
MACHINE SHOP Cost, $15,000
OAKLAND, Alameda Co., Cal. SW Fourth and Washington Sts.
One-story brick machine shop, 75x100 (metal sash and wire glass).
Owner—M. Elsaser.
Architect—S. Heiman, 57 Post St., San Francisco.

Contract Awarded.
FACTORY BLDG. Cost, $50,000
LOS ANGELES, Cal. Pico Street Bet. Stanford and Paloma Sts.
Two-story reinforced concrete factory building.
Owner—Angelus Furniture Co.
Architect and Contractor — John M. Cooper, 335 Marsh-Strong Bldg., Los Angeles.
Contracts for elevator, sprinkler system and fire doors to be let later.

Carpenter and Concrete Work Contract Awarded—Figures Being Taken on Balance of Work.
WAREHOUSE Cost, $30,000
SAN FRANCISCO. W Capp Street E of Seventeenth.
Two-story brick warehouse (100x105).
Owner—Lachman Bros.
Architect—S. Heiman, 57 Post St., San Francisco.
The following bids were received on the concrete and carpentry work:

L. Vanucci	$13,248
Thos. Cavanaugh	13,965
Louis Cohn	14,600
Alfred Vogt	14,831
Barrett & Hilp	15,600
I. Sommers	16,257
Monson Bros.	16,393
R. McLeran Co.	17,455

Contract awarded to L. Vanucci, 16th and Church Streets.

Contract Awarded.
ICE PLANT Cost, approximately, $24,000.
NAPA, Napa Co., Cal.
One-story reinforced concrete ice plant.
Owner—Union Ice Co., 354 Pine St., San Francisco.
Architect—W. T. Toepke, 942 Market St., San Francisco.
Contractor—A. H. Wilhelm, 180 Jessie St., San Francisco.

Contract Awarded for Painting.
PAINTING FACTORY Cost, $——
SOUTH SAN FRANCISCO.
Painting factory building.
Owner—Fontana Products Mfg. Co., 112 Market St., San Francisco.
Architects—Righetti & Hirschfeld, 12 Geary St., San Francisco.
Contractor—J. A. Moore & Son, 2216 Fillmore St., San Francisco.

Contracts Awarded.
FILM LABORATORY Cost, $——
SAN FRANCISCO. N Turk Street W Leavenworth Street.
Two-story reinforced concrete film laboratory building.
Owner—F. J. S. Conlan.
Lessee—Fox Film Corporation.
Architect — Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.
General Contract to G. P. W. Jensen, 320 Market St., $27,558.
Lathing and Plastering to Peter Bradley, 180 Jessie St., $2737.

WEED, Siskiyou Co., Cal.—Weed Lumber Co. has started construction of an addition to its sash factory, 300 ft. long and 100 ft. wide. New machinery will be installed.

OAKLAND, Cal.—Tibbitts- Pacific Co., 16 California St., San Francisco, awarded contract by Pacific Gas & Electric Co., 445 Sutter St., San Francisco, to construct foundations for 6,000,000 cu. ft. steel telescopic tank, 219 ft. high, involving 2,800 cu. yds. concrete and 4,500 wood piles. Contract price not stated.

Pacific Gas & Electric Co. will shortly ask bids for constructing a steel tank gas holder to cost $600,000, also a water tank of 10,311,770 gallons capacity together with new compressors, transmission equipment and other improvements in various sections of the system. Total estimated cost, $1,000,000.

SANTA CRUZ, Santa Cruz, Cal.—Until Feb. 13, 5 P. M. (to be opened Feb. 14, 9.30 A. M.), bids will be received by S. A. Evans, city clerk, for repairing Municipal wharf. James K. James, city engineer.

ORLAND, Glenn Co., Cal. — The Orange Growers' Association of Orland and Almond Growers' Association will erect a combination packing plans in this city. J. E. Faltings, Jno. J. Lachenmeyer, F. B. Rosenberger and N. C. Neilson, appointed committee to secure plans and cost of proposed structure.

BURBANK, Cal.—C. A. Pipes, Harry Dunning and Ward Shelton have formed the Burbank Ice and Cold Storage Co. and have secured a site at Magnolia Ave. and Front St. for an ice plant. The building will cost $15,000 and equipment $30,000.

FLATS

Plans Completed.
FLATS Cost, $12,250
SAN FRANCISCO. NE Geary and 12th Ave.
Two-story and basement frame (4) flats.
Owner—T. W. Brady, 210 12th Ave., San Francisco.
Architect—D. C. Coleman, 110 Sutter St., San Francisco.

Plans Being Prepared.
FLAT BLDG. Cost, $——
SAN FRANCISCO. NW Taylor and Union Streets.
Three-story frame (4) flat building. (3, 4, 5 and 6-room flats).
Owner—Withheld.
Architect—C. Fantoni, 550 Montgomery St., San Francisco.

Contractor Taking Sub-Figures.
FLATS Cost, $10,000
SAN FRANCISCO. Dodge Street near Turk Street.
Two-story frame (2) flats.
Owner—E. W. Kaufmann.
Architect—E. A. Baumgarten.
Contractor—W. S. King, 135 Webster St., San Francisco.

Contract Awarded.
FLATS Cost, $15,000
SAN FRANCISCO. SW Fifth Avenue and Lincoln Way.
Two-story and basement frame (4) flats.
Owner—City Realty Co., 46 Kearny St., San Francisco.
Architect—None.
Contractor—Cox Bros., 1375 9th Ave., San Francisco.

Contracts Awarded—Sub-Figures Being Taken.
FLATS Cost, $10,000 each
SAN FRANCISCO. N Lake 32-6 E 27th Avenue.
Two two-story and basement frame flat buildings (2 flats each) of five rooms and sleeping porch.
Owner—N. Samuels, 159 Parker Ave., San Francisco.
Architect — Mel. I. Schwartz, Nevada Bank Bldg., San Francisco.
Carpenter, Mill Work, Lumber Building Paper, and Felt and Rough Hardware awarded to Louis J. Delbel, 2453 Buchanan St., $10,300.
Concrete Work to L. Vanucci, 16th and Church Sts.
Sub-figures will be taken on the balance of the work. Plumbing bids are now being taken.

Contract Awarded.
FLATS Cost, $15,000
SAN FRANCISCO. SE California and Thirty-second Avenue.
Two-story and basement frame (4) flats (5 rooms each).
Owner—Ida F. McCain, 318 Kearny St., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Contractor—E. Ellingson, 180 Jessie St., San Francisco.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C. — Campbell Building Co., Salt Lake, Utah, at $166,670, awarded contract by Bureau of Yards and Docks, Navy Department, to construct dispensary and post exchange at San Diego, Calif.; time for completion 165 days. Work provided under Specification No. 4527.

WASHINGTON, D. C.—Bureau of Yards and Docks, Navy Department, awards contract to American Sterilizer Co., 12th and Plum Sts., Erie, Pa., at $2,148.50, for sterilizing equipment for naval hospital at San Diego, Calif.; time for completion 95 days. Provided for under Specification No. 4576.

WASHINGTON, D. C. — Following bids received by Bureau of Yards and Docks, Navy Department, under Specification No. 4543, for cold storage and refrigerating equipment at San Diego, Calif.: American Carbonic Machinery Co., 700 High St., Wisconsin Rapids, Wis., $30,400, 90 days; Wittenmier Machine Co., 850 N Spaulding Ave., Chicago, $29,970, 90 days; York-California Construction Co., 308 Boyd St., Los Angeles, Calif., $45,000, 90 days.

WASHINGTON, D. C.—Authorization has been received at the Alcatraz Barracks, Calif., to repair wharf; the work to be done by hire of labor and purchase of materials.

SAN FRANCISCO—Until Feb. 18, 11 A. M., under Order No. 3542, bids will be received by U. S. Engineer Office, 240 Montgomery St. for furnishing and delivering wharf, Rio Vista, Solano County: a large quantity of Pine and Redwood lumber. Specifications will be furnished on request.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department for the following materials; date for opening bids as noted at the end of each paragraph:

Schedule 9386, for Mare Island, 900 cupboard catches, 15,000 square feet galvanized iron wire cloth, 300 gross spur grommets, 1,200 brass hasps and staples, 500 pairs brass strap hinges, 75 screw cup hooks, 60 combination locks, 830 machine screw nuts, 98,000 steel spring cotter pins and 100 pounds brass escutcheon pins. Feb. 21.

Sched. 9415, for Norfolk and Mare Island, 80 bolt clippers. Feb. 28.

Sched. 9418, Mare Island, 2,800 pounds naval brass angles. Feb. 28.

Sched. 9420, Mare Island, 200 quarts liquid bronze, 15,000 pounds lump rosin, 5,000 gallons turpentine and 3000 pounds artificial vermillion. Feb. 28.

WASHINGTON, D. C.—Henry & McFee, Seattle, Wash., at $637,725, awarded contract by Bureau of Yards and Docks, Navy Department, to rebuild and extend pier No. 5, at Puget Sound Navy Yard. Unit prices on items 7 to 10 also accepted; time for completion 360 days. Work provided under Specification No. 4556.

LIVERMORE, Alameda Co., Cal.—The Government has purchased 200 acres of land 4 miles from Livermore and will erect a $2,000,000 hospital for treating tubercular ex-serviec men. Announcement of the purchase is made by Major Lewis C. Grant, San Francisco, director of the U. S. Reference Bureau.

SAN FRANCISCO—Until Feb. 18, 10 A. M., under Circular 22-44, bids will be received by Quartermaster Supply Officer, Fort Mason, for furnishing and delivering vulcanized red fibre sheets; 2700 lbs. iron or mild steel, commercial bars; 500 lin. ft. iron or mild steel, 1-in. x 2½-in. half-oval; 500 lbs. tool steel, ⅞-in. octagon, commercial bars; 1000 lbs. rolled plate zinc; etc.

BENICIA, Solano Co., Cal.—Until Feb. 20, 11.45 A. M., bids will be received under Supply No. 49, by Commanding Officer, Benicia Arsenal, for furnishing and delivering 36,500 ft. 3/16-in. x 1 1/4-in. and 23,500 ft. round 3/8-in. machinery steel, in trade lengths; 85 gross of wood screws, flat head, bright iron, 1 3/4-in. No. 16, and 300 lbs. hot pressed hexagonal nuts, tapped U. S. Stand. cut thread, 3/8-in.

BENICIA, Solano Co., Cal.—Until Feb. 20, 11.45 A. M., under Supply No. 50, bids will be received by Commanding Officer, Benicia Arsenal, for furnishing and delivering 2400 pcs. 2x4-in. x 16 ft. and 1200 pcs. 2x4-in. x 18 ft. No. 1 Merchantable O. P. lumber.

HALLS AND SOCIETY BUILDINGS

Contract Awarded.
ARMORY Cost, $30,000
OAKLAND. N 23rd 150 W Grove.
Two-story brick and tile armory.
Owner—C. S. Booth, 375 Euclid Ave., Oakland.
Architect—L. F. Hyde, 2645 26th Ave., Oakland.
Contractor—S. A. Warner, 351 12th St., Oakland.

Plans Being Prepared.
CLUB BLDG. Cost, $100,000
HOLYWOOD, Cal. NE Hudson Street and Sunset Blvd.
Two-story and basement reinforced Concrete club building, 200x157.
Owner—Hollywood Athletic Club, F. K. Galloway, President; F. A. Hartwell, Secretary.
Architect & Contractor — Milwaukee Building Co., Wright & Callender Bldg., Los Angeles.

Bids Under Advisement.
LODGE HALL Cost, $——
MONTEREY, Monterey Co., Cal. Main Street.
Reinforced concrete lodge hall.
Owner—Knights of Pythias, Lodge No. 180, S. Ruthven, secretary building committee, Monterey.
Architect—Tuttle & Millar, Monterey.
Three bids were submitted as follows: Fred McCrary, Pacific Grove, $12,700; Wm. P. Sweeney, Pacific Grove, $16,000; John Taufner, Monterey, $16,-058.

Figures To Be Taken Shortly.
LODGE BLDG. Cost, $85,000
LONG BEACH, Los Angeles Co., Cal. W Olive St. N of 10th St.
Three-story Class B brick and steel store and lodge building, 60x150.
Owner—Independent Order of Foresters
Architects—Parker O. Wright and F. H. Gentry, Associated, Marine Bk. Bldg., Long Beach.

CHICO, Butte Co., Cal.—Chico Woodmen of the World, Great Oak Camp No. 136, has called a special meeting at which time the erection of a modern lodge building will be discussed. The building will be erected at Third and Salem streets and will be of brick or concrete construction, two or four stories high. Walter H. Pitts is District Manager for the lodge.

SAN FRANCISCO—Unit Construction Co., Phelan Bldg., at $31,397, submits low bid for "construction proper" of shop and storehouse at Letterman General Hospital, Presidio; for "construction complete," Wm. Martin, 180 Jessie St., low at $33,943; Burnham Plumbing Co., 1220 Webster St., low for plumbing at $898, C. C. Severin, 185 Stevenson St., low for electric work at $930; Van Emon Elevator Co. 1161 Howard St., at $1,740 low for elevator. Complete list of bids follows:

	Construction Proper	Construction Complete	Plumbing	Electric Wiring	Elevator
Unit Construction Co.	$31,397	$35,349	$ 943	$1,014	$1,745
J. Pringle	31,910	36,836	947	1,328	2,300
J. Collins	36,300				
A. H. Vogt	34,613				
E. E. Etherton Co.	33,231	37,580	1,210	1,089	1,740
Hannah Bros.	36,500				
Schultz Construction Co.	35,987				
Davison & Nicolsen	32,200				
Mahony Bros	36,671	38,601			
Wm. Martin		33,943	1,150	930	1,740
Burnham Plumbing Co.			898		
Lawson & Drucker			1,438		
Stubo & Griffin			1,236		
F. E. Newbery Electric Co.				1,070	
Mark E. Ryen				1,200	
Pacific Electric Construction Co.				1,250	
Atlas Electric Co.				1,014	
C. C. Severin				930	
Otis Elevator Co.					2,075
Spencer Elevator Co.					2,192
Van Emon Elevator Co.					1,740

HOSPITALS

Plans Being Figured—Bids Close Feb. 16, 1922, 8 P. M.
HOSPITAL. Cost, $200,000
SAN FRANCISCO. 19th Avenue bet. Lawton and Moraga Streets.
One and two-story and basement reinforced concrete hospital for crippled children.
Owner—Mystic Shrine.
Architects—Weeks & Day, Phelan Bldg San Francisco.
Figures are being taken from members of the Mystic Shrine, both for a general contract and segregated contracts.

Plans to be Ready for Figures About March 10th.
HOSPITAL BLDG. Cost, $100,000
YREKA, Siskiyou Co., Cal.
One-story reinforced concrete hospital building.
Owner—Siskiyou County.
Architect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.

Figures to be Taken Shortly.
HOSPITAL Cost, $——
UPLAND, San Bernardino Co., Cal.
One-story hollow concrete hospital with 2 wings, 252x43 and 191x43, with connecting wing 46x73.
Owner—San Antonio Hospital Assn.
Architect — Myron Hunt, Hibernian Bldg., Los Angeles.

HOTELS

Contract Awarded.
STORE AND HOTEL Cost, $38,200
STOCKTON, San Joaquin Co., Cal. Lafayette Street.
Three-story Class C store and hotel building (48 rooms and 3 stores).
Owner—V. & G. Piuma.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.
Contractor—Domingo Bregante, 1602 S. Stanislaus St., Stockton.

Plans Being Figured.
LODGING HOUSE Cost, $——
LOS BANOS, Merced Co., Cal.
Two-story reinforced concrete store and lodging house building (Post Office and 1 store).
Owner— Giuseppi Climelc.
Architect—Chas Fantoni, 850 Montgomery St., San Francisco.
Figures are being taken for a general contract from Los Banos contractors.

Contractor Taking Sub-Figures.
HOTEL $85,000
SAN FRANCISCO. Turk Street 85 E Jones Street.
Three-story Class C store and hotel building.
Owner—Mr. Nied.
Architect—E. A. Baumgarten.
Contractor—W. S. King, 135 Webster St., San Francisco.

FULLERTON, Orange Co., Cal.—J. F. Kobler, 918 W. Eighth St., Los Angeles, was low bidder at $118,365 on the general contract for erecting a new hotel building at Fullerton for Fullerton Community Hotel Co. Low bidders on other contracts were: H. H. Armbrust on the heating at $7448; Union Iron Works on steel at $5155; John McFadden Co. on painting at $6750; Martin & Walker on electrical work at $5200, and John McFadden Co. on plumbing at $14,700. Burnett Elevator Co. bid $3438 for elevator without cab; Otis Elevator Co. bid $4400 and Baker Iron Works, $4595 for elevator complete. Bids taken under advisement M. Eugene Durfee, Anaheim and F. K. Benchley, Fullerton, are the architects.

VISALIA, Tulare Co., Cal.—J. Sub Johnson, owner of Hotel Johnson in Visalia, announces he will erect modern hotel building in this city. Business men will assist in financing the structure.

POWER PLANTS

STOCKTON, San Joaquin Co., Cal.—Western States Gas & Electric Co., Elks' Bldg., Stockton, will construct power line from Stockton to Lodi, approximate cost, $75,000. Samuel Kahn, General Manager of Company.

BUTTONWILLOW, Kern Co., Cal.—San Joaquin Light & Power Co. will start work at once on a 20,000 h. p. addition to the steam generating plant at Buttonwillow, Kern County; $1,250,000.

PUBLIC BUILDINGS

Figures to be Taken Shortly.
CITY HALL Cost, $——
EAGLE ROCK, Los Angeles Co., Cal.
One and two-story brick City Hall, 65 x78.
Owner—City of Eagle Rock.
Architect—Wm. Lee Woollett, 1211 Pacific Mutual Bldg., Los Angeles.

Plans Being Figured—Bids Close Mar. 1, 1922.
AQUARIUM Cost, $250,000
SAN FRANCISCO. Golden Gate Park.
Reinforced concrete and stone aquarium.
Owner—California Academy of Sciences, Gift of Ignatz Steinhart.
Architect—Louis P. Hobart, Crocker Bldg., San Francisco.

Figures are being taken from a selected list of contractors on the following segregations:
Excavating, concrete, carpenter. structural tile, sheet metal and roofing.
Ornamental tile and marble.
Glazing.
Painting.
Ornamental iron.
Plumbing, heating and refrigeration.
Plastering.
Electrical work.

ALAMEDA, Alameda Co., Cal.—City Council proposes to erect women's brick comfort station in Washington Park; estimated cost, $2,500. Clifton E. Hickok, City Manager.

RENO, Nevada—Preliminary plans for a memorial and civic auditorium are in the hands of the Chamber of Commerce. Committee has been appointed to find ways and means of financing the structure which will cost between $75,000 and $150,000.

HANFORD, Kings Co., Cal.—J. Frank Brown, Hanford, at $20,622, submits only bid to supervisors for constructing addition to county jail; bid rejected and action postponed until July 1, when new bids will probably be asked. Roy May, county surveyor.

FRESNO, Fresno Co., Cal.—Louis Cereghino & Son, 180 Jessie St., San Francisco, at $20,738 awarded contract by council to construct concrete fire alarm station. Plans were prepared by Architects Coates & Traver, Rowell Blog., Fresno.

RESIDENCES

Plans Being Prepared.
RESIDENCE Cost, $12,000
SAN FRANCISCO. Forest Hill.
Two-story frame and plaster residence (9 rooms and garage).
Owner—Withheld.
Architect—Walter C. Falch, Hearat Bldg., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $——
WATSONVILLE, Santa Cruz Co., Cal.
One-story 6-room frame residence.
Owner—Chas. McSherry.
Architects—Wyckoff & White, Growers Bank Bldg., San Jose.

Contract Awarded.
RESIDENCE Cost, $19,475
SAN FRANCISCO. Sea Cliff.
Two-story frame and stucco residence (10 rooms and a garage). All work except plumbing, electrical work, marble, tile, painting and warm air furnace.
Owner—Mrs. Lillian C. Martin.
Architect—M. V. Politeo, 1st National Bank Bldg., San Francisco.
Contractor—Robt. F. Galway, 2068 Sutter St., San Francisco.

Contract Awarded.
BUNGALOWS Cost, $7,000 each
SAN FRANCISCO. College Hill Extension.
Three 1-story frame bungalows (6 rooms).
Owner—St. George Holden.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.
Contractor—J. Prout, 2020 Turk St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $8,000
SAN FRANCISCO. Third Avenue.
Two-story frame residence and garage.
Owner—Wm. Farrell.
Architect — Earle B. Bertz, 168 Sutter St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $40,000
SAN FRANCISCO. S McLaren 90 E 30th Avenue.
Two-story and basement frame and plaster residence and separate garage (9 rooms and 3 bathrooms).
Owner—Bert Morris, 444 Market St., San Francisco.
Architect — Earle B. Bertz, 168 Sutter St., San Francisco.
Contractor—Allen & Co., 168 Sutter St., San Francisco.

Plans Being Prepared—To be Done by Day's Work.
BUNGALOWS Cost, $8,000 each
BURLINGAME, San Mateo Co., Cal.
Three one-story frame and plaster bungalows, 6 rooms each.
Owner—J. H. Hughes.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.

Plans Being Prepared—To be Done by Day's Work.
RESIDENCES Cost, $8000 each
SAN FRANCISCO. Fulton Street Bet. Third and Fourth Avenues.
Eight two-story frame and plaster residences.

Lewis Roofing and Asbestos Works
180 JESSIE ST. S. F.
Phone Sutter 6700
Branch—2022 University Ave., Berkeley—Phone Berk. 4360
Roof Paints—Roofing Repairs
Shingle Metal Gravel
Asbestos and Magnesia Steam Pipe and Boiler Covering

Owner—Allen & Co., 168 Sutter St., San Francisco.
Architect — Earle B. Bertz, 168 Sutter St., San Francisco.

Plans Being Prepared—To be Done by Day's Work.
RESIDENCES Cost, $8,500 each
SAN FRANCISCO. St. Francis Wood.
Two two-story frame residences.
Owner—Garden Homes Co.
Architect — Earle B. Bertz, 168 Sutter St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $20,000
OAKLAND, Alameda Co., Cal. Overlooking Lake Merritt.
Two-story frame and plaster residence and separate garage (10 rooms & 3 bathrooms).
Owner—Ben Blow.
Architect—Chas. Skidmore, Call Bldg., San Francisco.
Figures will be taken in about two weeks.

Plans Being Prepared.
APARTMENT HOMES Cost, $——
SAN FRANCISCO. Two square blocks in Sunset District.
Group of two-story hollow tile apartment homes 20x40 each.
Owner—Withheld.
Architect — Henry Shermund, Hearst Bldg., San Francisco.

Plans Being Prepared—To be Done by Day's Work.
BUNGALOWS Cost, $6000 each
SAN FRANCISCO. Westwood Park.
Four one-story frame bungalows (5 and 6-rooms each).
Owner—Gordon W. Morris, 132 Judson Ave., San Francisco.
Architect — Miss Ida F. McCain, 318 Kearny St., San Francisco.

Plans Being Prepared—To be Done by Day's work.
BUNGALOWS Cost, $6500 each
SAN FRANCISCO. Westwood Park.
Six one-story frame bungalows (5 and 6 rooms each).
Owner—Walter Hansen, 2235 Market St., San Francisco.
Architect—Miss Ida F. McCain, 318 Kearny St., San Francisco.

Completing Plans-Figures to be Taken in About Two Weeks.
RESIDENCE Cost, $30,000
PIEDMONT, Alameda Co., Cal.
Two story, basement and attic, frame and plaster residence and separate garage (12 rooms) Italian Style.
Owner—Thos. W. Rivers.
Architect — C. A. Muessdorffer, Humboldt Bank Bldg., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $15,000
PALO ALTO, Santa Clara Co., Cal. University Avenue.
Two-story and basement frame and plaster 9-room residence and separate garage (Spanish Style).
Owner—Geo. H. Perine.
Architect—C. A. Muessdorffer, Humboldt Bank Bldg., San Francisco.
NOTE:—Figures are being taken for a general contract with separate figures for plumbing.

Plans Being Figured.
RESIDENCE Cost, $9000
SAN FRANCISCO. Merritt Terrace.
Two-story and basement seven-room frame residence with garage in basement.
Owner—Mr. Keller.
Architect — Walter Falch, Hearst Bldg., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $20,000
PALO ALTO, Santa Clara Co. Cal.
Two-story frame and plaster 10-room residence and separate garage.

Owner—Withheld.
Architect — Arthur G. Scholz, Phelan Bldg., San Francisco.

Contract To Be Awarded Shortly.
RESIDENCE Cost, $——
SAN FRANCISCO. St. Francis Wood.
One-story frame residence (6 rooms and garage) tile roof.
Owner—Dr. F. Homer Curtiss.
Architect—H. H. Gutterson, 278 Post St., San Francisco.
Unit Construction Co., Phelan Bldg., low bidder on contract.

Plans Being Prepared—To be Done by Day's Work.
BUNGALOW Cost, $——
MOUNT HERMAN, Santa Cruz Co., Cal.
Rustic bungalow.
Owner—Dr. Clarence Page, Berkeley.
Architect — James W. Plachek, 2011 Shattuck Ave., Berkeley.

BAKERSFIELD, Kern Co., Cal.—Supervisors approve plans of Architect Chas. Biggar, 1st National Bank Bldg., Bakersfield, for farm home to be erected at the government experimental station.

WILLOWS, Glenn Co., Cal.—Until Feb. 18, 7 P. M., bids will be received by H. E. Hanson, Secretary, Jacinto Irrigation District, for constructing combined frame dwelling and office building, with concrete foundation and vault.

SCHOOLS

Plans Being Prepared.
SCHOOL Cost, $42,000
PAJARO, Monterey Co., Cal.
One-story frame or concrete school building (5 rooms and an auditorium.
Owner—Pajaro School District.
Architect—Wyckoff & White, Growers Bank Bldg., San Jose.

Plans Being Prepared.
SCHOOLS Cost, $——
GILROY, Santa Clara Co., Cal.
Frame or concrete school buildings.
Owner—Gilroy School District.
Architect—Wyckoff & White, Growers Bank Bldg., San Jose.

Contracts Awarded.
SCHOOL BUILDING Cost, $——
BERKELEY, Cal. University Campus.
Reinforced concrete Students' Union building.
Owner—University of California .
Architect—John Galen Howard, First National Bank Bldg., San Francisco
Tile and Brick Work to M. B. McGowan 180 Jessie St., S. F., at $27,987.
Glazing Work to Friedman Bros., 461 Valencia St., S. F., at $1,750.
Carpentry Work to West Coast Construction Co., 519 California St., S. F., at $34,723.
Interior Plastering Work to Wm. Makin, 1048 Excelsior St., Oakland, at $14,390.
Cast and Wrought Metal Work to California Artistic Metal & Wire Co., 349 7th St., S. F., at $2,772.
Metal Window Work to U. S. Metal Products Co., 330 10th St., S. F., at $9,998.
Exterior Cement Work to A. Knowles, Call Bldg., S. F., at $34,250.
Painting to D. Zelinsky & Son, 180 Jessie St., S. F., at $10,500.
Terrazzo Work to Peter Grassi, 135 Tehama St., S. F., at $8,280.
Marble Work to Mission Marble Works, 363 Guerrero St., S. F., at $2,000.

Plans Being Figured—Bids Close Mar. 7, 1922, 12 Noon.
SCHOOL Cost, $450,000
POMONA, Los Angeles Co., Cal.
Two-story and basement brick and concrete high school 275x160.
Owner—Pomona High School District.
Architects—W. H. Weeks, 369 Pine St., San Francisco, and Robt. H. Orr, 1201 Van Nuys Bldg., Los Angeles.
Figures are being taken for segregated contracts.

Contracts Awarded.
SCHOOL Cost, $——
CAMPBELL, Santa Clara Co., Cal.
Reinforced concrete grammar school buildings.
Owner — Campbell Union Grammar School District.
Architect—Wm. H. Weeks, 369 Pine St., San Francisco.
Excavating, Grading and Concrete Work to Barrett & Hilp, 918 Harrison St., San Francisco, $23,328.
Carpenter Work to Morrison Bros., Santa Clara, $44,508.
Heating and Ventilating (Direct System) to Carl T. Doell, 351 12th St., Oakland, $11,716.
Plumbing to Carl T. Doell, $7654.
Painting to D. Zelinsky & Sons, 422 Turk St., San Francisco, $4125.
Plastering and Lathing to Chas. Terranova, 431 London St., San Francisco, $13,850.
Iron and Steel Work to Fair Mfg. Co., 617 Bryant St., $1892.
Sheet Metal Work to Robert Dalziel Jr., 218 1st St., San Francisco, $1497
Glass and Glazing to W. P. Fuller Co., Beale and Mission Sts., San Francisco, $1920.
All bids for the general masonry work, composition flooring, blackboards and roofing have been rejected and new bids will be called.

Plans Being Figured—Bids Close Feb. 17, 1922.
HORTICULTURE BLDG. Cost, $100,000
DAVIS, Yolo Co., Cal.
Two-story concrete and hollow tile horticulture building.
Owner—University of California.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
See call for bids under official proposal column.

Segregated Figures Being Taken—Bids Close Thursday, Feb. 16, 1922, 8 P. M.
SCHOOL Cost, $——
GLENDALE, Cal. Grand View School Site.
One-story hollow tile school (4 rooms, administration & teachers' rooms)
Owner—Glendale Board of Education.
Architect—Geo. M. Lindsey, 127 W. Broadway, Glendale.

Segregated Figures Being Taken—Bids Close Feb. 17, 1922.
BUILDING Cost, $——
DAVIS, Yolo Co., Cal. University Farm
One-story hollow tile power plant building.
Owner—University of California.
Architect—Wm. C. Hays, First National Bank Bldg., San Francisco.
See call for bids under official proposal column.

Contract Awarded.
SCHOOL Cost, $30,000
BAKERSFIELD, Kern Co., Cal. Orange Street.
Two-story frame school 76x60.
Owner—St. Joseph's Catholic School, Rev. Patrick O'Connor, in charge.
Architect—Not given.
Contractor—T. L. Cummings, Bakersfield, Cal.

Contracts Awarded.
SCHOOL Cost $120,000
OAKLAND, Alameda Co., Cal. Lockwood School, E-14th Street and 68th Avenue.
Brick, concrete and frame school.
Owner—Oakland Board of Education
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Excavating and Concrete Work to M. E. Hooper & Sons, 351 12th St., Oakland, $19,277.
Brick Work to O. V. Fortin, 24th and Waverly, Oakland, $11,437.
Carpenter Work to Schnebly & Hostrawser, 6th and Jackson Sts., Oakland, $70,901.31.
Painting to F. G. Zelinsky, San Francisco, $5,943.
Plumbing to W. J. Nevins. $9,000.
Heating & Ventilating to J. E. O'Mara 443 Minna St., San Francisco, $11,763.
Electrical Work to King Electrical Co., 351 12th St., Oakland, $14,451.
The plastering and lathing contract was held up until the next meeting and all bids for the steel lockers were rejected. It was decided to call bids later for the lockers for all the schools.

Plans Being Prepared.
ADDITION Cost, $40,000
RIO LINDA, Sacramento, Co., Cal.
One-story hollow tile addition to present school (3 rooms and an auditorium).
Owner—Rio Linda School District.
Arcihtects—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.

Commissioned to Prepare Plans.
SCHOOL Cost, $90,000
LODI, San Joaquin Co., Cal.
One-story hollow tile school (8 rooms and auditorium).
Owner—Lodi Grammar School District.
Architect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.

Plans Being Figured—Bids Close Feb. 17, 1922, 7:30 P. M.
SCHOOL Cost, $——
SAN LUIS OBISPO, San Luis Obispo Co., Cal.
One-story brick and frame school building at Hawthorn School site and remodel Nipomo School.
Owner—San Luis Obispo School District (Ruth Merritt, Clerk).
Architect—Orville L. Clark, Brower Bldg., Bakersfield.
Plans may be obtained from the architect on a deposit of $10.

Plans Being Figured—Bids Close Feb. 18, 1922, 2 P. M.
SCHOOL Cost, $135,000
TUSTIN, Orange Co., Cal.
Two-story brick high school, 220x82, (18 rooms and an auditorium).
Owner—Tustin Union High School District.
Architect—Mott M. Marston, 535 I. W. Hellman Bldg., Los Angeles.
Separate bids will be received for the general work, plumbing, heating and ventilating, electric work, painting and program clocks.

SAN FRANCISCO—Board of Public Works has awarded contracts on John Hancock school as follows:
General construction, O. Monson, 251 Kearny St., at $27,860; Plumbing, Gilley-Schmid, 198 Otis St., at $1,3951 Heating and Ventilating, P. J. Enright, 2720 McAllister St., at $1,345; Electric Work, F. E. Newbery, 405 Lick Bldg., at $765.
Contract for plaster, Galileo High School in Van Ness Ave., awarded to J. Greenback, 180 Jessie St., at $66,925.
Contract for brick and hollow tile on Mission High School Addition awarded to E. Hogberg, 180 Jessie St., at $26,300.

LOS ANGELES, Cal. J. B. Harris, 808 Westchester Place, Los Angeles, was low bidder at $27,798 for an addition and remodeling Eagle Rock Ave. school building. J. Hokom was low on steam heating at $2040 and Leo. H. Hubbert was low on painting at $1400.

Bids referred to business manager. Plans prepared by Architectural Department of the Board of Education.

SAN FRANCISCO—Until Feb. 15, 3 P. M., bids will be received by Board of Public Work, for Furring, Lathing and Plastering in Mission High School addition; estimated cost, $45,000. Bond required of successful bidder, $11,250. Plans may be had from Bureau of Architecture, 2nd floor, City Hall, John Reid, Jr., city architect.

PORTLAND, Ore.—Otis Elevator Co., at $19,750 submits low bid to County Commissioners for installing elevators in county hospital; plans by Sutton & Whitney, architects, Lewis Bldg., Portland.

YUBA CITY, Sutter Co., Cal.—The Board of School Trustees of the Center—Gaither Union School District received the following bids for painting the one-story hollow tile school which is now under construction. Geo. C. Sellon & Co., Mitau Bldg., Sacramento, are the architects. The contract was awarded to Robinson Crooks Co. of Marysville:

Robinson Crooks Co., Marysville	$ 810.95
M. J. Miller, Marysville	819.70
D. E. Burgess, Stockton	841.00
Conrad Schneider, Sacramento	952.00
J. T. Spencer	1015.00
C. L. Hale, Roseville	1070.00

LONG BEACH, Los Angeles Co., Cal.—J. C. Bannister, 903 N. Mariposa Ave., Los Angeles, was awarded the general contract at $130,210 for erecting a practical arts unit at Polytechnic high school at Long Beach. The contract was awarded on the original bid of $143,944 with a deduction for omitting wall cases, and for using Heath hollow tile instead of brick. The painting was let to E. E. English at $7945; plumbing to Hickman Bros., at $7347; wiring to Baty Electric Co. at $3745; heating to Pacific Gas Radiator Co. at $3956.81, and program clocks to Standard Electric Time Co. at $1748. John C. Austin, 1125 Baker-Detwiler Bldg., L. A. and W Horace Austin, Long Beach, are the architects. Two-story, 142x148 ft., hollow tile and concrete construction, stucco exterior, composition roof, pine trim, beech floors, study hall on the roof.

PORTERVILLE, Tulare Co., Cal.—The time for opening bids for the proposed $350,000 Porterville high school building has been extended to Feb. 15, 7.30 P. M. The original date was set for Feb. 4th. Coates and Traver, 626 Rowell Bldg., Fresno, architects. Plans call for a two-story and basement reinforced concrete structure to contain 14 rooms and auditorium, etc. Figures are being taken on sixteen segregations.

MARYSVILLE, Yuba Co., Cal.—Petitions are being circulated seeking the formation of the Yuba High School District.

WOODLAND, Yolo Co., Cal.—Until Feb. 27, 2 P. M., bids will be received by Mrs. Eleanor Bandy, Clerk, Monument School District, P. O. Box 748, Sacramento, for constructing 2-room school building. Certified check 10% payable to clerk required.

SAN DIEGO, Cal.—Ova F. Eckles, East San Diego, was awarded the general contract for new hollow tile and frame high school buildings at Theodore Roosevelt school site at Park Blvd. and Upas Sts., in San Diego. Theo. C. Kistner, Central Mortgage Bldg., San Diego, is the architect; $300,000.

HANFORD, Kings Co., Cal.—Until Feb. 16, 7:30 P. M., bids will be received by G. W. Armstead, Clerk, Hanford Union High School District, for scenery, draperies and stage equipment. **See call for bids under official proposal section in this issue.**

NOVATO, Marin Co., Cal.—The Board of Trustees of the Novato School District received the following bids on February 8th, for a steam heating plant to be installed in the school building now under construction on the southeast corner of the State Highway and Grant avenue, Marin County, from plans prepared by Walter H. Parker, Architect, 57 Post Street, San Francisco. Bids were taken under advisement:

Turner Co., 272 Natoma St., San Francisco	$1416
P. J. Enrgiht, San Francisco	1472
Thos. J. Kennedy, Martinez	1772
Scott Co.	1780
J. E. O'Mara, San Francisco	1896

RIPON, San Joaquin Co., Cal.—The Board of Trustees of the Ripon Union High School District received the following bids on Feb. 4th, for the construction of a one-story brick or tile gymnasium building. Plans were prepared by Architect C. H. Young, Commercial and Savings Bank Bldg Stockton. All bids were taken under advisement:

Plastering

O. C. Holt, Turlock (a) $1,464.07; (b) $925.

Perry Bros.; (a) $1,592.80; (b) $385.

Carpentry Work

O. C. Holt, (a) $3,358.51 (b) $——.

W. J. Scott, (a) $3,730; (b) $2,035.

Painting

Burgess, Stockton, (a) $363; (b) $245.

R. Zelinsky, S. F., (a) $1.075; (b) $632.

Electric Work

Ripon Elec. Co.; (a) $211; (b) $140.

Bright Spot Elec. (a) $396.35; (b) add $35.15.

Home Elec. Co., (a) $318; (b) add $48.

Edw. Gnekow, (a) $427; (b) $——.

Manteca Elec. Co., (a) $349.50; (b) $324.50.

O. C. Holt, (a) $386; (b) add $50.

Concrete Blocks

R. R. Miller, $13,773

Brick Work

O. C. Holt, (a) $7,102.63; (b) deduct $350; (c) deduct $522.20; (d) add $300.

Chas. Miller, (a) $7,000; (b) $72.78; (c) $7,000; (d) $505.60; (e) add $706.

Frederickson Bros., (a) $6,365; (b) $582; (c) ——; (d) $528; (e) $486

Roofing

Simpson-Grey Lumber Co.	$335.00
Johns-Manville Co.	370.00
C. A. Lease	292.50

Plumbing

Paul & Harry, Stockton, (a) $2,836; (b) deduct $205; (c) deduct $310; (d) $1,778; (e) and (f) ——.

Miller-Hayes, Stockton, (a) $2,740; (b) $50; (c) $1,165; (d) ——; (e) $50; (f) $17.

Edw. Gnekow, (a) $2,884; (b) $21; (c) $100; (d) $773; (e) $40; (f) ——.

Brandt Bros., (a) $2964; (b) add $450; (c) ——; (d) $855; (e) $2,924; (f) ——.

HAYWARD, Alameda Co., Cal.—The Board of Trustees of the Hayward Grammar School District, received the following bids on February 8th, for the construction of a one and two-story reinforced concrete school building, from plans prepared by architect Henry C. Smith, Humboldt Bank Building, San Francisco. Bids were taken under advisement but the contract will in all probability be awarded on the segregated bids which follow:

General

Ruegg Bros.	$103,293
Sorenson Bros.	107,562
J. L. McLaughlin	109,375
W. G. Thornally	110,853
M. C. Vaughn	113,000
Monson Bros.	103,430

Carpentry

Ruegg Bros.	$47,510
Sorenson Bros.	56,621
Barrett & Hilp	55,944

Concrete

Ruegg Bros.	$26,871
Sorenson Bros.	24,380
Jepsen Bros.	34,750
Barrett & Hilp	31,770
Davidson & Nicholson	30,000

Painting

R. Zelinsky	$4,420
William Bernstein	4,230
Frisk & Swanson	3,998
Sorenson Bros.	3,400

Plumbing

Sorenson Bros.	$6,833
Carl T. Doell	6,935
George Assmussen	7,775
Scott Company	6,581

Electric Work

Central Electric Co.	$5,512
F. E. Newbery Electric Co.	5,139
Vieux Bros.	5,495
Hugo Frank	5,800
Sorenson Bros.	4,918

Heating

F. L. Warner, Oakland	$7,726
James A. Nelson	7,732

MERCED, Merced Co., Cal.—The following bids were received on February 4th, by the Board of Trustees of the Merced Elementary School District, for the construction of a one-story ten-room reinforced concrete or hollow tile school building. Plans were prepared by Architect Norman R. Coulter, 46 Kearny street, San Francisco. The three lowest bids were taken under advisement:

General Contract

	Hollow Tile	Concrete
Merced Concrete Pipe Co.	$	$55,750
Brown & Stafford, Madera	56,625	56,847
P. F. Reilly, S. F.	57,400	56,580
E. F. Jensen, Merced	57,500	57,500
J. L. McLaughlin, S.F.	58,8[illegible]	58,9[illegible]
T. B. Goodwin, S. F.	59,543	57,619
P. Jensen, Merced	60,250	59,300
O. C. Holt	60,451	60,880
C. Allen	59,400	58,670

Heating

	Hot Air	Steam
C. E. Kocher, Merced	5,564	2,525
Gritlin Sheet Metal Wks, Fresno	....	1,957
R. Barcroft, Merced	....	2,596

PIEDMONT, Cal.—The following bids were received on February 8th, by the Board of Trustees of the Piedmont High School District for equipment for the new high school building from plans by architect W. H. Weeks. All bids were taken under advisement.

Painting

D. Zelinsky, S. F.	$6,670 (2) ded.	$300
Creamer Bros., S. F.	6,965 "	" 965
F. W. Baker, Oakland	7,783 "	" 250
R. Zelinsky, S. F.	7,574 "	" 400
Burnett & Chandler	8,900 "	" ——

Linoleum

D. N. & E. Walter & Co., Inlaid $23.40 cork carpet, $1,657.87. Battleship $4,084.56.

W. & J. Sloan, Inlaid $24.60, cork carpet $1,571.95. Battleship $4,292.50.

Wallace & Co., Inlaid $32.40, cork carpet (brown) $1,597.74 (green) $1,675.05. Battleship $4292.57

Shades

D. N. & E. Walter Co.	$1,837
Wallace & Co.	1,375

Slate Blackboards

C. F. Weber Co., S. F.	$1,800
Stewart Sales Co.	1,690
Rucker-Fuller Co., S. F	2,440

Stage Equipment

Alrock & King(1)$706.04 (2) $513.60(3) $2,529 Alt. $2,785.60
J. P. Larsen (1)$230 (2) $225 (3)
Flagge Studio (1)$230 (2) $225 (3) $2,530

Steel Lockers

C. F. Weber Co. $1,785
Rucker-Fuller Co. 1,619
Geo. H. Trask 1,969.50
Berger Mfg. Co., $3 each, $2.65 each, and $3.05 each.

Electric Fixtures

Berkeley Elec. Co. $2,690
Boyd Lighting Fix. Co..... 2,875
Roberts Mfg. Co. 2,999.60
Thos. Day Co. 3,161

Wireless Equipment

Atlantic-Pac. Rad. Supply Co. $2,476.70
Heintz & Kohlmoss 2,662.20

STORES AND OFFICES

Contracts Awarded.
STORE BUILDING Cost, $——
BERKELEY, Alameda Co., Cal. Shattuck Ave. and Haste Street.
One-story reinforced concrete store building.
Owner—B. K. Denbigh, 2311 Shattuck Ave., Berkeley.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
Concrete Work to Jepsen Bros., Berkeley, $3775.
Carpenter and Mill Work to Conner & Conner, Berkeley Way and Shattuck Ave., Berkeley, $2100.
Plumbing and Sewering to Chas. W. Knights, 1919 University Ave., Berkeley, $506.
Lathing & plastering to W. C. Austin $1120.

Plans Being Prepared.
MARKET BLDG. Cost, $——
SACRAMENTO, Cal. NE J and Eleventh Streets, 220x160.
One-story reinforced concrete market building.
Owner—Henry Kleinsorge & Sheridan Downey.
Architect — Jens C. Petersen, Peoples Savings Bank Bldg., Sacramento.

Plans Being Prepared.
OFFICE BLDG. Cost, $90,000
LONG BEACH, Los Angeles Co., Cal. Fourth St. and Locust Avenue.
Two or three-story and basement brick store and office building.
Owner — Johnston Thurston, Toledo, Ohio.
Architect—W. Horace Austin, 222 First National Bank Bldg., Long Beach.
Excavating awarded to Graham Bros., Long Beach.

Plans Being Prepared.
OFFICE BLDG. Cost, $250,000
OCEAN PARK, Los Angeles Co., Cal. Ocean Front from Marine to Navy Streets.
Three-story and basement brick and stucco casino and office building, 202x104.
Owner—Casino Bldg. Co.
Architect — Russell & Alpaugh, 1106 Story Bldg., Los Angeles.

Plans Being Prepared.
BUILDING Cost, $——
MARTINEZ, Contra Costa Co., Cal. Corner Main and Howard Streets.
One-story brick building.
Owner—Geo. W. Hoffman, of the Martinez Furniture Co.
Architect—A. A. Cantin, Foxcroft Bldg., San Francisco.

Concrete Contract Awarded.
STORE, ETC. Cost, $30,000
SAN FRANCISCO. S Sutter Street between Stockton and Powell Streets.
Two-story and basement class C store and studio building (3 stores).
Owner—Proctor & Chamberlain.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.
Concrete Work Contract has been awarded to The Mission Concrete Co., Call Bldg., San Francisco.

Contract Awarded
STORES Cost, approx. $15,000
MODESTO, Stanislaus Co., Cal. N and J Streets.
One-story brick and concrete (3) stores 62x100.
Owner—F. E. Smith.
Lessee—Western Auto Supply Co.
Architect—None.
Contractor—Geo. J. Ulrich & Son, Modesto.

Contract Awarded.
STORE BLDG. Cost, $1800
SAN FRANCISCO. S Sutter Street Bet. Stockton and Powell Sts.
Reinforcing steel on two-story Class C store and studio building (3 stores)
Owner—Proctor & Chamberlain.
Architects — O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—Badt Falk & Co., Call Bldg., San Francisco.

Contract Awarded.
STORES Cost, $20,000
OAKLAND. NE Grand Ave and Webster Street.
One-story reinforced concrete stores.
Owner—F. Kahn, 130 Montgomery St., San Francisco.
Architect—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
Contractor—MacDonald & Kahn, 130 Montgomery St., San Francisco.

FRESNO, Fresno Co., Cal.—John Patterson and Mrs. Blaine Rogers have purchased property at the corner of Tulare and J Sts. 175 by 150 ft. on which they propose to erect an eight-story office and store building, costing $600,000. Additional details regarding the project will be available when papers have been signed.

MERCED, Merced Co., Cal. — R. Kaehler has let contract to L. J. C. Wegner, Merced, to erect one-story brick (3) stores, each, 24x48, in L St., near 18th. Estimated cost, $15,000.

THEATRES

Owner to Take Figures.
THEATRE Cost, $25,000
IRVINGTON, Alameda Co., Cal. Mission Street.
Two-story reinforced concrete and frame theatre, store and office building.
Owner—F. A. Leal, Irvington.
Architect — H. A. Minton, Monadnock Bldg., San Francisco.

Sub-Figures Being Taken
THEATRE Cost, $150,000
SAN FRANCISCO. 18th Avenue and Geary Street.
One-story reinforced concrete theatre.
Owner—Rainbow Theatre Co.
Architect—O. E. Evans, 2569 Mission St., San Francisco.

Plans Completed and Approved.
THEATRE Cost, $525,000
OAKLAND. E Broadway 150 N 17th Street.
Three-story reinforced concrete theatre office and store building.
Owner—Broadway Building Co.
Lessee for Theatre—Fox Film Cptn.
Architect—M. I. Diggs, Easton Bldg., Oakland, and Weeks & Day, Phelan Bldg., San Francisco.
Construction will start within the next two weeks.

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Official Proposals

BIDS WANTED FOR U. C. HORTICULTURE BUILDING

PROPOSALS FOR BIDS

SEALED BIDS will be received at the office of the Comptroller, University of California, Berkeley, California, **at or before 9 A. M., February 17, 1922,** for General Construction, concrete work, hollow tile and terra cotta, lathing and plastering, roofing, plumbing, electric work, painting, heating, ornamental iron work, for the Horticulture Building on the grounds of the University Farm School at Davis, California.

Plans and specifications may be obtained at the office of William C. Hays, 1325 First National Bank Building, San Francisco, on deposit of $50.00 for each set of plans and specifications taken out, which deposit will be refunded on return of said plans and specifications in good condition and accompanied by a regular bid for the work. No bid will be considered unless accompanied by a certified check or bond in favor of the undersigned, equal to 10% of the bid to secure execution of the contract by the successful bidder.

The right is reserved to reject any or all bids.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA.

BIDS WANTED FOR U. OF C. DAIRY POWER PLANT

PROPOSAL FOR BIDS

SEALED BIDS will be received at the office of the Comptroller, University of California, Berkeley, California, **at or before 10 A. M., February 17, 1922,** for General Construction, Mechanical Equipment (Heating), Plastering, Hollow Tile, Excavation and Concrete Work for the Dairy Power Plant, on the grounds of the University Farm School at Davis, California.

Plans and specifications may be obtained at the office of Wm. C. Hays, 1325 First National Bank Building, San Francisco, on deposit of $50.00 for each set of plans and specifications taken out, which deposit will be refunded on return of said plans and specifications in good condition and accompanied by a regular bid for the work. No bids will be considered unless accompanied by a certified check or bond in favor of the undersigned, equal to 10% of the bid to secure execution of the contract by the successful bidder.

The right is reserved to reject any or all bids.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA.

SEALED PROPOSALS

Cast Iron Water Pipe, Sleeves and Ells

Bids on the following materials will be received by the City Council of the City of Sacramento, in the Council Chamber of the City Hall on I Street, between 9th and 10th Streets, between the hours of Eight and Nine o'clock P. M., on Thursday, February 16th, 1922; viz:

3000 ft. 6-in. Cast Iron Bell and Spigot Class B Water Pipe (to conform to all standards of the American Water Works Association).

All such proposals must comply with the requirements of the New Charter of the City of Sacramento, effective June 30, 1921, and bidders are hereby cautioned that no bid which fails to comply therewith can be considered.

Bids must be submitted upon printed forms with instruction prepared by the City, copy of which will be supplied free upon application to the undersigned.

A certified check made payable to the City Controller, or a cash deposit for an amount not less than five per cent (5%) of the aggregate of the proposal must accompany each bid.

A faithful performance bond amounting to approximately twenty-five per cent (25%) of the amount of the Contract will be required of the successful bidder in accordance with provisions of said New Charter.

The foregoing proposal must state a lump sum for said material to be delivered F. O. B. Sacramento Wharf and the date on or before which delivery will be made.

The right to reject any and all bids is reserved to the City by provisions of the Charter.

R. B. CARLTON,
City Clerk of the City of Sacramento

NOTICE TO BIDDERS

(Draperies and Stage Equipment)

Pursuant to a resolution passed by the Board of Trustees of the Hanford Union High School District at a meeting of the Board held Wednesday, January 25, 1922, at the regular place of meeting, to call for sealed proposals to furnish the Hanford Union High School with scenery, draperies and stage equipment, notice is hereby given that the said Board of Trustees will receive sealed proposals **up until 7:30 P. M., February 16, 1922,** at the office of the Principal in said High School building, or delivered to G. W. Armstead, Clerk, of the Board, on or before said date.

A full description of the material advertised for can be had upon application to Mr. J. L. Neighbor, Principal of the said High School.

A certified check for 10 per cent of th amount of the bid must accompany same.

The Board reserves the right to reject any or all bids.

BOARD OF TRUSTEES, HANFORD UNION HIGH SCHOOL DISTRICT.
G. W. ARMSTEAD, Clerk.

BIDS WANTED FOR CONSTRUCTION OF POST OFFICE

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 26, 1922.—SEALED PROPOSALS will be opened in this office at 3 P. M., March 6, 1922, for the construction of the United States Post Office and Court House at Globe, Arizona. Drawings and specifications may be obtained from the Custodian of site at Globe, Arizona, or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

Job N. 8.

Office of the Secretary of the Board of Education of the City of Oakland.

Sealed bids will be received by the Acting Secretary of the Board of Education of the City of Oakland, at his office at the City Hall, Oakland, California, **until Monday, the 27th day of February, 1922, at 3 o'clock P. M.** of said day, the day when said bids will be opened, for the erection and completion of New Buildings for the ALEXANDER HAMILTON SCHOOL, of the Oakland School District and Oakland High School District, located at Galindo Street and 35th Avenue, Oakland, California.

Separate bids will be received for:

(1) Carpentry work, Excavation and Concrete work, Miscellaneous Iron, Sheet Metal, Built-up Roofing and Tile Roofing.
(2) Brick work.
(3) Plastering and Lathing
(4) Painting.
(5) Steel lockers.
(6) Yard work.
(7) Plumbing work.
(8) Heating and Ventilating work
(9) Electrical work.

Plans and specifications for said work are on file at the office of the Acting Secretary of the Board of Education, and at the office of the Chief of Construction, 357 12th Street, Oakland, California.

On a deposit of Twenty-five ($25) Dollars, complete sets of said plans and specifications may be had by any prospective bidder. These may be retained for a period of ten (10) days by the Carpentry Contractor, and for a period of four (4) days by the Brickwork, Plastering, Painting, Steel Lockers, Yard work, Plumbing, Heating and Ventilating, and Electrical Work Contractors. If these plans and specifications are not returned within said period, or if they be mutilated, the said deposit may be retained by said School Districts as agreed and liquidated damages for said detention and mutilation.

Bids must be made on proposals obtained at the office of the Chief of Construction, and be signed by the bidder, accompanied by a certified check for at least ten (10%) per cent of the amount of the bid or proposal, certified to by some responsible bank or banker, and made payable to "N. W. Cook," the Acting Secretary of the Board of Education, to be retained by the said School Districts as agreed and liquidated damages should the party or parties to whom the contract should be awarded fail to enter into the contract after the award, or to give bonds required for the faithful performance of the contract, or any bond required by law.

Bids will be opened by the Board of said Districts on the 27th day of February, 1922, at the hour of 5 P. M., in the Board Room, 211 2nd Floor of said City Hall, in said City of Oakland. The Board reserves the right to reject any or all bids or any or all items of such bids.

N. W. COOK,
Acting Secretary of the Board of Education.

BIDS WANTED FOR SCHOOL BUILDING

NOTICE TO BIDDERS

NOTICE IS HEREBY GIVEN That sealed bids will be received **up to and opened at 7.30 P. M., on the 25th day of February, 1922,** at the Sonoma Valley Union High school building, Sonoma, California, for the erection and completion of a two-story concrete high school building according to plans and specifications prepared by W. H. Weeks, the authorized architect, employed by the Board of Trustees.

Separate bids will be received on the General Contract and on the Heating System as called for in the specifications Each bid must be accompanied by a certified check of 5 per cent of the amount of the bid, check to be made payable to Dr. W. B. Hays, Clerk of the Board of Trustees and certified to by some responsible banking institution.

Bids must be made out on blank forms supplied by the architect. The plans and specifications may be seen in the office of the Clerk of the Board, at the high school building, Sonoma, California, or may be obtained from the architect, W. H. Weeks, 369 Pine St., San Francisco, California. A deposit of $20.00 will be required for plans loaned out.

The sealed bids accompanied by the certified check should be mailed or delivered to Dr. W. H. Hays, Sonoma, California.

The Board of Trustees reserves the right to reject any and all bids.

GEORGE H. CASSIDY, President,
DR. W. B. HAYS, Secretary,
FREDK. HELBERG,
THOMAS JOHNSON,
L. M. BISH,
Board of Trustees of Sonoma Valley Union High School District.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

RICHVALE, Butte Co., Cal.—Until March 7, 2.30 P. M., bids will be received by Trustees of Drainage District No. 100 of Butte County, for constructing drainage ditches, approximately 50,000 cu. yds.; estimated cost, $15,000. Polk and Robinson, Chico, engineers for district.

SAN RAFAEL, Marin Co., Cal.—N. M. Stover, San Rafael, at $1,800 only bidder for the construction of levees on Goose Neck bend. Bid taken under advisement by City Council.

MARTINEZ, Contra Costa Co., Cal.—Until Feb. 10, 12 M., bids will be received by the Directors of Martinez-Benicia Ferry and Transportation Co., for constructing ferry slip approximately 275 ft. long with standard apron and hoisting equipment and the construction of an approach. Jams J. Walsh, 112 Market St., San Francisco, engineer for company.

VISALIA, Tulare Co., Cal.—Nate Lovelace, Visalia, at $2,820, awarded contract by city trustees to construct 3 concrete culverts. L. H. Gadsby, city engineer.

STOCKTON, San Joaquin Co., Cal.—Following bids taken under advisement by supervisors for dismanteling McMullen Lake bridge: (Prop. 1) for dismantling bridge and hauling to Highway Maintenance Yard: W. H. Hooker, $1,802; M. B. White, $2,119; A. R. McCarty, $2,000. (Prop. 2) constructing earth grade at bridge site: McCarty, $9,375; Spencer D. Miller, $6,-200. (Prop. 3) propositions 1 and 2 combined: River Junction Farms Co., $5,000; A. R. McCarty, $10,375. F. E. Quail, county surveyor.

PHOENIX, Ariz.—The board of control of the Cave Creek flood control project has signed a contract with J. S. Eastwood, 706 Mandana Blvd., Oakland, Cal., for plans for a multiple arch dam. Contract with Lynn S. Atkinson, Jr., Box 626, Red Bluff, Cal., for construction of the dam, it is expected, will be signed in a few days. The dam will be 1750 ft. long and 74 ft. high; reinforced concrete, and will require 20,000 cu. yds. excavation, 6334 cu. yds. plain concrete, 7522 cu. yds. reinforced concrete, and 436,000 lbs. reinforced steel. There will be 38 arches. All the money needed, $400,000, is now available.

IRRIGATION PROJECTS

DIXON, Solano Co., Cal.—Engineers Rosenthal and Davis, Humboldt Bank Bldg., San Francisco, have completed surveys for proposed works for East Dixon Irrigation and Drainage Ass'n., project including lands in Solano and Yuba counties, it being proposed to divert water from the Sacramento river and the By Pass Cut by means of a 9 mile cut or 7.5 miles of slough to irrigate approximately 75,000 acres. Water to be distributed by pumping plants as follows: Plant No. 1, six 42-in. centrifugal pumps and six 230 h. p. 300 r. m., 2200 volt motors, Plant No. 2, four 42-in. centrifugal pumps and four 260 h. p., 300 r. p. m., 2200 volt motors; Plant No. 3, two 42-in. centrifugal pumps and two 280 h. p., 2200 volt motors; Plant No. 4, two 30-in. centrifugal pumps and two 100 h. p., 260 r. p. m., 2200 volt motors; Plant No. 5, one 30-in. centrifugal pump and one 125 h. p., 2200 volt motor. All pumps to be double suction, split case centrifugal type. Estimated cost, $2,-000,000. Felix F. Swain, 1421 Broadway, Oakland, chairman of Board of Directors.

SUISUN, Solano Co., Cal.—Engineers Geo. L. Dillman, 14 Montgomery St., and E. C. Cope of Cope-Means & Rand, 58 Sutter St., S. F., are preparing plans for works of Suisun Irrigation District, involving the construction of 25 miles of canals; 4 concrete diversion dams, averaging 20 ft. in height, 60 to 80 ft. long; earth storage dam 90 ft. high, 810 ft. long on crest, 506 ft. long on bottom, 20 ft. wide at top. Estimated cost, $1,000,000. District lies in Napa and Solano Counties. Ralph Sheldon, Secretary.

OROVILLE, Butte Co., Cal.—Butte County Supervisors authorize formation of Thermalito and Table Mountain Irrigation Districts—Thermalito comprising 3,000 acres and Table Mountain 4, 800 acres. Construction to be undertaken in both districts follows: Earth Dam (Concow Valley dam) 70-ft. high, 20-ft. wide on top, 500 ft. long and 75-ft. wide on bottom, water side to be faced with rock; Earth dam (Lake Madeline dam) 39-ft. high, 1851 ft. long on bottom and 12-ft. wide on top; water side faced with concrete. Ditches and pipe lines. J. M. Howells, 58 Sutter St., San Francisco, engineer for districts. S. J. Norris, Oroville, resident engineer.

GRASS VALLEY, Nevada Co., Cal.—Engineer Fred H. Tibbitts, Alaska Commercial Bldg., San Francisco, is completing plans for work in Nevada Irrigation District consisting of canal, 6 miles long; concrete dam, 16 feet high, 350 ft. on crest, 190 ft. long on bottom; distributing system to include approximately 212,000 acres. Estimated cost, $4,500,000.

MERCED, Merced Co., Cal.—Carlson Bros., Turlock, awarded contract by Merced Irrigation District for rebuilding main canal of the old Crocker-Huffman system. Contract involves relining of canal with concrete for a distance of approximately 3 miles. R. C. Starr, Chief Engineer of District.

CALIFORNIA.—Beckman & Linden Engineering Corp., 604 Mission St., San Francisco, completing plans for irrigation project in Amador and Calaveras counties, utilizing waters from Calaveras and Mokelumne rivers, involvnig construction of 5 miles of tunnels and canals; a concrete diversion dam 32 feet high; ditch, 32,000 ft. in length; cyclopean masonry dam, 185 ft. high, 1,400 ft. long on top and 200 ft. on bottom; power house equipped with Pelton water wheels; pumping plants, etc. Total estimated cost, $1,-000,000.

ORANGE COVE, Fresno Co., Cal.—Foothill Irrigation, L. J. Williams, secretary, having preliminary plans prepared for works to irrigate 55,364 acres involving the construction of 55 miles of concrete lined canals; pumping plants, three centrifugal 24-in., 100 cu. ft. sec. with lift of 100 ft.; two 600 h. p. motors.

CHICO, Butte Co., Cal.—Engineer J. B. Thompson, 3rd and Broadway, Chico, preparing plans for irrigation project in Butte County comprising about 100,000 acres. Will consist of dam 250 ft. high; 2200 ft. long of rock fill faced with reinforced "Gunite" and the construction of 54 miles of concrete lined canals. Plans will be completed about July 1.

REDDING, Shasta Co., Cal.—Shasta County Supervisors authorize formation of a 15,000-acre irrigation district in Fall River Valley near Glenburn, McArthur and Fall River Mills. The State Engineer has yet to approve the proceedings.

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LIGHTING SYSTEMS

CHICAGO, Butte Co., Cal.—City Trustees will ask blds for installing electrolier system (extension) in the Junction District. F. S. Robinson, city engineer.

MERCED, Merced Co., Cal.—Until Feb. 20, bids will be received by City Council for electrolier system; 435 standards in main residence and business district from 16th St. to Santa Fe, G to P Sts. C. D. Martin, city engineer.

MACHINERY

BAKERSFIELD, Kern Co., Cal.—Until Feb. 17, 11 A. M., bids will be received by Maricopa High School District, H. E. Osburn, Clerk, for constructing swimming pool and tank tower and 100-barrell galvanized iron tank and pumping system. Specifications may be had from J. M. Saffell, architect, Bekersfield.

FIREBAUGH, Fresno Co., Cal.—Until Feb. 14, 8 P. M., bids will be received by Thos. B. Gaines, City Clerk, for (1) trenching, laying and furnishing converse lock joint pipe, as-

phalted, to gether with necessary connections in portions of 11th St. and several alleys; (2) for furnishing and installing 8 fire standard hydrants; (3) furnishing and installing one 400-gal. pump; (4) furnishing and installing one 30 H. P. electric motor; (5) furnishing and installing on 30 H. P. gas engine, trenching and laying 65 ft. 7-in. suction pipe, building and installing concrete pump pit and galvanized iron pump house. Certified check of 10%, payable to City required. Plans may be had from clerk.

FRESNO, Fresno Co., Cal.—Standard Underground Cable Co., 1st National Bank Bldg., San Francisco, at $12,064 awarded contract by council to furnish necessary cable for fire alarm station. Wm. Stranahan, City Engineer.

GLENDALE, Cal.—The Department of Public Service submitted the only bid at $13,500 and was awarded the contract for laying 4630 ft. 8-in. and 350 ft. 6-in. water pipe in Brand Blvd. and Cerritos Ave. between Windsor Road and San Fernando Road.

QUINCY, Plumas Co., Cal.—Until March 6, bids will be received by Forrest R. Young, County Clerk, for furnishing and delivering one 12-20 track layer tractor.

LOS ANGELES, Cal.—Southern California Telephone Co. announces it will expend during the year $3,743,000 on central office equipment, $1,913,000 for station equipment and $2,676,000 for exchange lines.

SEATTLE, Wash.—City Council approves revised specifications for Cedar River Pipe Line No. 3; estimated cost $2,000,000. Bids will be asked for wood stave as well as steel pipe. Approximately 17 miles long, greater portion of which will be 64-in. in diameter. The new specifications call for bids on steel riveted, lock bar, forge weld and electric weld steel pipe and also for creosoted wood stave pipe.

SACRAMENTO, Cal.—Until Feb. 16, 9 P. M., bids will be received by R. B. Carlton, city clerk, for furnishing and delivering 3,000 ft. 6-in. cast iron bell and spigot class B water pipe. **See call for bids under official proposal section in this issue.**

GLENDALE, Cal.—Until 6.30 P. M., Feb. 16, bids will be received by City Clerk A. J. Van Wie, for laying approximately 1400 ft. 4-in. and 400 ft. 6-in. cast iron water pipe in San Fernando Road, under Vrooman Act; also for laying 2000 ft. 4-in. cast iron pipe in Everett and Cedar Sts. and Wilson Ave., under local improvement ordinance.

MADERA, Madera Co., Cal.—Byron-Jackson Pump Co., 55 New Montgomery St., San Francisco, at $2,649, submits low bid to city trustees for municipal pumping plant, consisting of a deep well turbine pump, direct connected with a 75-horsepower motor, together with the control apparatus, valves and fittings. Other bidders: Western Well Works, $3,802.54; D. Stephenson, $2,903; Ulmer Machinery Co., $3,255; Layne & Bowler Co., $3,497.50. Bids taken under advisement. Frank Nikirk, city engineer.

SAN FRANCISCO—Bids are being received by Elmer Cox, 801 First Nat'l. Bank Bldg., (President of Sugar Pine Lumber Co.), for culvert pipe necessary in constructing 51 miles of road bed for Minerets and Western R. R. at Fresno. Bids will be taken for various types of pipe with the exception of wood; estimated cost, $100,000. Contract for constructing railroad has been let to Warren Construction Co., Rialto Bldg., San Francisco, at approximately $800,000. T. L. Russell, 1514 H St., Fresno, is Chief Engineer for Minerets and Western Railroad.

FRESNO, Fresno Co., Cal.—City Council takes under advisement bids for furnishing and installing equipment in fire alarm station: Curtis T. Clifford, $32,200 and Gamewell Fire Alarm and Telephone Co., $43,448. Wm. Stranahan, City Engineer.

OAKLAND, Cal.—Bartlett-Hayward Co., Baltimore, Maryland, awarded contract by Pacific Gas and Electric Co., to construct steel tank gas holder in Castro street; estimated cost $600,000. Shipment of steel will commence within next few weeks.

LOS ANGELES, Cal.—Until 11 A. M., Feb. 27, bids will be received by the Los Angeles Board of Supervisors, for erecting a crematory building at the county cemetery, 3301 E First St. Bids will be taken separately for installing two retorts with corresponding mechanical equipment. Plans were prepared by Wm. Davidson, county mechanical engineer, and may be obtained at the office of the board, Hall of Records in Los Angeles.

LA VERNE, Cal.—Until 7.30 P. M., Feb. 24, bids will be received by city trustees for one centrifugal pump and one 40 h. p. hor. electric motor. Copies of specifications and proposal blanks may be obtained at office of City Engineer O. A. Gierlich, 207-9 National Bank Bldg., Monrovia. Certified check for 10%.

RAILROADS

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy, authorized by Supervisors to complete specifications for 20 center entrance street cars for the Municipal Railway system. Bids will be asked in the immediate future.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy, is preparing plans for extension of Municipal railway system from Market St. via Duboce avenue and a tunnel under Buena Vista Park, Judah street and other connecting streets to the Great Highway; estimated cost, $2,467,000.

CALIFORNIA—The Industrial Terminal Ry. Co. of Los Angeles, has applied to state railroad commission for permission for permission to issue $50,000 stock, of which $29,321 will be used to pay off indebtedness. The company is incorporated with $1,000,000 capital stock and proposes to build 2 miles of railway.

BAKERSFIELD, Kern Co., Cal.—C. F. Donnatin, superintendent for the Southern Pacific in this section, announces the company is preparing to enlarge office portion of depot in East Bakersfield; lay 90-lb. rails between Bakersfield and Fresno; install electric-pneumatic interlocking tower at Bakersfield yards and ballast 25 miles of track between Acton and Saugus.

KINGMAN, Ariz.—The Santa Fe Ry. Co. will build a second track and make line changes on its road between Yampia and Griffiths, Ariz., 75 miles. Lloyd Harris will be engineer in charge of construction with headquarters at Kingman, Ariz. Cost is estimated at $6,000,000.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

SACRAMENTO, Cal.—The following bids were received on Feb. 6th, by the California Highway Commission for the following highway improvements:

Marisposa County, between Sierra National Forest and Briceburg (VI-Map-18-E) about five and seven-tenths (5.7) miles in length to be graded; (a) corrugated metal pipe, (b) concrete pipe:

F. Rolandi, S. F., (a) $177,484; (b) $181,439.
Chadwick & Sykes, S. F., (a) $210,959; (b) $219,726.
U. S. Merd, S. F., (a) $202,423; (b) ——
Warren Const. Co., S. F., (a) $212,152.20; (b) $217,148.
Marsh Bros. & Gardenier, S. F., (a) $220,406; (b)——.
D. D. DeLuca, S. F., (a) $225,940.10; (b) $228,057.
H. P. Hoey, S. F., (a) $245,369.50. (b) ——.
John H. McMillan, Wasco, (a) $248,098.20; (b) $253,719.
Palmer & McBryde, S. F. $255,131.50; (b) $260,950.60.
W. A. Bechtel, S. F., (a) $249,778.50. (b) ——.
Rhodes & Price, Hilt, (a) $258,059.20; (b) $263,576.
Grant-Smith Co., S. F., (a) $262,122; (b) $267,791.
Redmond-Page Co., S. F., (a) $276,891.50; (b) $280,625.
P. L. Burr, S. F., (a) $286,483.50; (b) $289,568.
Maurice Ryan & Son, L. A., (a) $276,414; (b) $279,773.50.
Bates & Rogers, Spokane, Wash., (a) $315,373.60; (b) $321,543.50.
Engineer's estimate, (a) $185,458; (b) $186,948.

FRESNO, Fresno Co., Cal.—Until Feb. 24, 2 P. M., bids will be received by D. M. Barnwell, county clerk, for paving in Liberty Cemetery, involving 10,700 sq. ft. asphaltic pavement 1½-base and 1655 sq. ft. 4-in. macadam walk.

Separate bids, same date, for constructing 5.2 miles of macadam highway on Centerville-Dunlop road, involving 7,040 cu. yds. grading and 14,350 tons of gravel. Chris P. Jensen, county surveyor.

STOCKTON, San Joaquin Co., Cal.—Until Feb. 21, 10.30 A. M., bids will be received by A. L. Banks, city clerk, for improving streets in Sweitzer addition, involving 3,106 cu. yds. cut; 486 cu. yds. fill; 3,473 lin. ft. combined curbs and gutters; 16,168 sq. ft. sidewalks; 53,368 sq. ft. paving, 4-in. cement gravel base with 2-in. asphaltic macadam surface. Estimated cost, $17,850. W. B. Hogan, city engineer.

SAN FRANCISCO—Until Feb. 15, 3 P. M., bids will be received by Board of Public Works, for improving Andover St. between Odgen and Tompkins, involving 1,188 sq. ft. artificial stone sidewalks.

Separate bids, same date, improving Andover between Eugenia and Powhattan, involving 69 lin. ft. concrete curbs; 66 sq. ft. artificial stone sidewalks; 1,387 sq. ft. asphaltic concrete pavement; 24 lin. ft. 10-in. vitrified pipe culverts and 1 brick catchbasin.

Separate bids, same date, to improve Cabrillo between 33rd and 34th, involving 2580 cu. yds. cut; 3 brick catchbasins; 105 lin. ft. 10-in. vitrified pipe culvert; 1 brick manhole; 220 lin. ft. 8-in. vitrified pipe sewer; 15 vitrified wye branches; 574 lin. ft. concrete curbs; 16,893 sq. ft. asphaltic concrete pavement and 660 sq. ft. artificial stone sidewalks.

FRESNO, Fresno Co., Cal.—Until Feb. 16, 3.30 P. M., bids will be received by R. Y. St. George, City Clerk, for improving Roosevelt Ave., between Pine and McKinley streets, involving 49,700 sq. ft. grading; 29,820 sq. ft. 5-in. concrete pavement; 1,657 lin. ft. concrete curbs; 8,283 sq. ft. artificial stone sidewalks. Wm. Stranahan, City Engineer.

SAN FRANCISCO—Supervisors requested to authorize construction of approximately 186 ft. of 2' 6" x 3' 9" reinforced concrete sewer in 3rd St. between Berry and Channel. M. M. O'Shaughnessy, city engineer.

HAYWARD, Alameda Co., Cal.—T. E. Clinch, 668 9th St., Richmond, at $838 awarded contract by the Trustees to construct 8-in. sanitary sewer with wyes every 50 ft., manholes, etc., in Fifth street between B and C streets. Jesse B. Holly, Town Engineer.

SAN JOSE, Santa Clara Co., Cal.—Council declares intention to construct 8-in. sewer in West Virginia St. between Palm and Harliss; Harliss from West Virginia to point 291 south and a 6-in. sewer in Harliss from a point 291 ft. south of West Virginia to Edwards Ave., 1 lamphole, wyes and 16 house connections.

Intention declared to improve 6th St. between Santa Clara and St. James by regrading, paving with 3-in. asphaltic concrete with 1½-in. asphaltic concrete wearing surface. Wm. Popp, city engineer.

YUMA, Ariz.—Until 2 P. M., Feb. 15, bids will be received by Thos. Maddock, state engineer, care Board of Supervisors, Yuma, Ariz., for constructing Sec. D (Welton west, about 10 miles) of Yuma-Welton highway. Fed. Aid Project No. 26, involving 33,000 cu. yds. excavation and borrow combined; 16,000 cu. yds. surfacing; 800 cu. yds concrete and incidental items.

SONORA, Tuolumne Co., Cal.—Trustees decide to improve North Washington St., from Episcopal church to its end and South Washington St. from Damas St. to city limits with a rock macadam base and 1½-in. asphalt surface, instead of with concrete as at first proposed. C. W. Terry, city engineer.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy completes specifications to improve Hearst Ave. between Baden and Congo; estimated cost, $7,850; involving 275 cu. yds. cut; 980 cu. yds. fill; 1,200 lin. ft. concrete curbs and 18,000 sq. ft. asphaltic concrete pavement.

LOS ANGELES, Cal.—Fairchild-Gilmore-Wilton Co., Los Angeles Railway Bldg., awarded contract at $33,723.15, for improving Sixth St. between Grand Ave. and Figueroa St., involving 35,842 sq. ft. grading; 35,842 sq. ft. asphaltic paving; 1879 ft. curb; 8725 sq. ft. walk; 2417 sq. ft. concrete gutter.

Wm. L. Riley, 210 S Fremont Ave., awarded contract at $20,868.96, for improving Eagle St. between Bernal Ave. and Concord St., involving 36,573.64 sq. ft. grading; 36,573.64 sq. ft. oiling and rolling, 5729.9 sq. ft. concrete gutter.

LOS ANGELES, Cal.—C. R. Butterfield, 212 Sixth St., San Pedro, awarded contract at $12,975.36 for improving 28th street between Carolina and Gaffey, involving 18,382 sq. ft. grading, 18,382 sq. ft. concrete paving; 1198.23 ft. curb; 5790 sq. ft. walk; 245 ft. house connection sewers at $2.50 ft. Fairchild-Gilmore-Wilton Co. submitted only other bid at $14,559.85, engineer's estimate, $12,774.42.

TRACY, San Joaquin Co., Cal.—Trustees decide to use 5½-in. hydraulic concrete base and 1½-in. natural bitumen surface on streets to be paved; estimated cost, $85,000.

SAN FRANCISCO—Board of Public Works rejects bids to improve 25th Ave. between Irving and Judah, involving 900 cu. yds. cut; 1200 lin. ft. concrete curbs; 1,050 sq. ft. artificial stone sidewalks and 24,000 sq. ft. asphaltic concrete pavement. Low bid for this work submitted Jan. 18th, by E. J. Treacy, $9,234.

Board rejects bids for improving streets in Mission Terrace involving 1,598 lin. ft. concrete curbs and 300,540 sq. ft. asphaltic concrete pavement. Low bid for this work submitted Jan. 18th, by James M. Smith, $102,950.42. M. M. O'Shaughnessy, city engineer.

BAKERSFIELD, Kern Co., Cal.—Council rejects bid of F. W. Nighbert, Bakersfield, at $4,035 for paving Parkway avenue. W. D. Clarke, City Engineer.

LONG BEACH, Cal.—City Engineering Department has prepared plans for storm sewers in Linden and Alamitos avenues.

SAN FRANCISCO—Until Feb. 15, 3 P. M., bids will be received by Board of Public Works for improving Key Ave. between Jennings and Railroad Ave., including crossing, involving 3,537 cu. yds. cut; 769 lin. ft. concrete curbs; 9,221 sq. ft. concrete pavement, and 3,688 sq. ft. asphaltic concrete pavement; 5,229 sq. ft. artificial stone sidewalks; 3 brick catchbasins; 77 lin. ft. 10-in. vitrified pipe culvert and 3 reinforced concrete stairs.

Separate bids, same date, to improve Lisbon St. between France and Russia involving 125 lin. ft. concrete curbs; 1,625 sq. ft. asphaltic pavement, 6-in. concrete base with 2-in. asphaltic concrete wearing surface; 875 sq. ft. vitrified brick pavement. Plans may be had from city engineer's office, 3rd floor, city hall.

PRESCOTT, Ariz.—Jos. H. McCarthy, Engineer of Yavapai County, Highway Commission, has received word that federal aid for the Prescott to Ash Fork road has been officially recommended and the $400,000 appropriated for this road will be matched by an equal amount of federal funds.

ORLAND, Glenn Co., Cal.—Petitions being circulated for paving Second St. between Walker street and the high school.

FRESNO, Fresno Co., Cal.—Council declares intention to construct 366 lin. ft. 6-in. vitrified clay pipe sewer, 2 manholes and 48 wyes in Block 12, Grand Avenue Park. Wm. Stranahan, City Engineer.

LOS ANGELES, Cal.—Until 10 A. M., Feb. 20, new bids will be received by the Board of Public Works for inflow, outflow and collecting sewers at Mormon Island sewage pumping plant. One bid received for this work Jan. 30, was rejected. R. A. Wattson bid $4100 for inflow, $2200 for outflow and $11,000 for collecting sewers.

FRESNO, Fresno Co., Cal.—Thompson Bros., 1514 H St., Fresno, at $53,241 submits low bid to city council for improving Olive street, between Blackstone and Forthcamp streets, involving 150,932 sq. ft. grading, 106,909 sq. ft. 3½-in. asphaltic concrete base with 1½-in. asphaltic concrete top and liquid asphaltic and rock screenings surface, 9,049 ft. concrete gutter; 5,104 sq. ft. concrete curb; 10,710 ft. artificial stone sidewalks, 631 ft. 12-in. and 99 ft. 18-in. corrugated iron culvert; 15 manholes. Other bidders: Federal Construction Co., Call Bldg., San Francisco, $54,410; California Road & Street Improvement Co., Bank of Italy Bldg., Fresno, $53,704. Taken under advisement. Wm. Stranahan, City Engineer.

PORTLAND, Ore.—City Council will shortly ask bids to construct Oregonian Ave. sewer in St. Johns district; estimated cost, $75,000.

SAN FRANCISCO—W. J. Tobin, 527 Santa Ray Ave., Oakland, at $8,257.30 awarded contract by Board of Public Works to construct 1,260 lin. ft. 15-in. and 2,240 lin. ft. 8-in. sewer with wyes and 13 brick manholes in Augusta St. between Stueben and Silver Ave.

J. O'Hara, 1880 Page St., San Francisco, at $297 awarded contract to construct 1,650 sq. ft. artificial stone sidewalks on 19th Ave. between Cabrillo and Fulton Sts.

FRESNO, Fresno Co., Cal.—No bids received by Council for improving Calaveras St., between H and Divisadero streets. New bids will be asked. Wm. Stranahan, City Engineer.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy completes specifications to improve Anderson St. between Cortland and Eugenia Ave.; estimated cost, $6,775. Project involves 950 lin. ft. concrete curbs; 6,650 sq. ft. vertical fibre brick pavement and 6,849 sq. ft. asphaltic concrete pavement.

SAN MATEO, San Mateo Co., Cal.—Election will be held March 7th, to decide the question of forming the Fair Oaks Sanitary District. Elizabeth M. Nash, county clerk.

MARTINEZ, Contra Costa Co., Cal.—Downer & Mero, 2234 MacDonald Ave., Richmond, at (a) $182,619 and (b) $185,860, submits low bid to supervisors for constructing approximately 7 miles of highway between San Pablo canyon highway and Orinda Park. Bids were taken for (a) 18,000 cu. yds. excavation, 9,112 yds. concrete pavement (excl. curbs), 147,628 sq. ft. macadam center, 147,628 sq. ft. macadam shoulders and 1,000 cu. yds. overhaul; (b) 18,000 cu. yds. excavation, 10,821.5 cu. yds. concrete (incl. curbs), 147,628 sq. ft. macadam center and 10,000 cu. yds. overhaul. Other bidders: C. H. & A. W. Gorrill, 256 Bacon Bldg., Oakland, (a) $213,632, (b) $225,568; Conners & Hansen, Santa Rosa, (a) $216,404, (b) $228,202; Hutchinson Co., 1706 Broadway, Oakland, (a) $204,726, (b) $232,454; Bates & Borland, Oakland Bank of Savings Bldg., Oakland, (a) $198,204, (b) $211,981; E. E. Grow, 318 14th St., Richmond, (a) $207,240, (b) $210,272. Bids taken under advisement. R. R. Arnold, county surveyor.

SANTA ROSA, Sonoma Co., Cal.—City Council contemplates calling election to vote bonds of $50,000 to finance improvements to water system. C. C. Kennedy, Engineer, 58 Sutter St., San Francisco, has submitted a report on the proposed improvements.

RICHMOND, Contra Costa Co., Cal.—City Council rejects bid of S. C. Rogers at $12,642.95 for improving 17th street, between Cutting Boulevard and Potrero Ave. Rogers bid on asphaltic macadam, while the specifications provided for asphaltic concrete. H. D. Chapman, City Engineer.

NEWPORT BEACH, Cal.—City Engineer Paul E. Kressly has been instructed by city trustees to prepare plans and specifications for new water works plant and new pipe line for which bonds were voted. A centrifugal pump and Diesel engine will be installed at the pumping plant.

SAN LUIS OBISPO, Cal.—Frank C. McIntyre, 406 N Aurora St., Stockton, at 63c cu. yd. awarded contract by supervisors to construct Santa Margarita-Pozo road, involving 15,000 cu. yds. excavation. Other bidders: Claudius and Hauser, San Francisco, 90c; Sherer and Crowley, Los Angeles, 90c.

J. L. Conner, Alama (Santa Cruz County), awarded contract to construct 16,000 sq. ft. cement sidewalks and 2,950 lin. ft. concrete curbs in Road Imp. District No. 4. Only other bidder, W. A. Dontanville, Hollister, $6,895. Warren Burch, county surveyor.

SAN JOSE, Santa Clara Co., Cal.—Until March 6, 11 A. M., bids will be received by Henry Pfister, county clerk, for improving Lincoln Ave., in Supervisor District No. 4. Irving Ryder, county surveyor.

FORTUNA, Humboldt Co., Cal.—City Engineer F. A. McKee, completing plans for paving streets; estimated cost, $21,000. Work will be done in two sections: Section 1, 4 blocks paved with 5-in. Class A hydraulic cement concrete approximately 57,000 sq. ft.; Section 2, 700 ft. 18-ft. wide, paved with 5-in. hydraulic cement concrete approximately 12,600 sq. ft. Will also involve the construction of a reinforced concrete bridge over Rohner creek, 20 ft. long, 15 ft. high on pile foundations.

REDWOOD CITY, San Mateo Co., Cal.—Supervisors transfer $50,000 of the $80,000 raised by a 23-cent tax included in the last levy, from the general fund to the Fifth Road District fund, the money to be used in repairing the Pescadero to Santa Cruz county line road. Geo. A. Kneese, county surveyor.

WHITTIER, Cal.—Paving of Penn St., about 1⅛ mile, involving about 300,000 sq. ft. with 6-in. cement concrete will come up for bids some time in April or about first of May. Paving of alleys in about 10 or 12 city blocks will come up for bids in about a month. Paul E. Todd, city engineer.

SALEM, Ore.—Until Feb. 21, 10 A. M., bids will be received by State Highway Commission for following projects: Myrtle-Creek-Canyonville Sec. 10.5 mi. of paving and for Camas Valley Sec. 8.47 mi. of grading, both in Douglas county; Rock Creek-Shutlers Sec. 9.51 mi. of grading and rock surfacing in Gilliam county; Hood River-Booth Hill Sec. 6.08 mi. of grading; Booth Hill-Forestry Boundary Sec. 12.04 mi. of grading, both in Hood River county; Jamieson-Brogan Sec. 6.24 mi. of gravel surfacing in Malheur county; City of Union Sec. 1.2 mi. of paving in Union county. Bids for these project will be opened at Courthouse, Portland.

MERCED, Merced Co., Cal.—City Engineer C. D. Martin, preparing specifications to improve nine blocks in West Merced, on 13th, 14th, and 15th Sts; J St. between 16th and 22nd; alleys in Blocks 110,111 and 85th and 21st St., fronting chamber of commerce property. Asphalt concrete pavement 5-in. and 4-in. thick will be laid.

MERCED, Merced Co., Cal.—Council petitioned to construct sewers in Blocks 37 and 38. C. D. Martin, city engineer.

STOCKTON, San Joaquin Co., Cal.—City Engineer W. B. Hogan, completes specifications for storm water sewers in "Fair Oaks North" district, and in following streets: Channel, Church, Hazelton, Clay, South Madison and several other streets.

CALIFORNIA—F. Rolandi, 550 Montgomery St., San Francisco, at $177,484 (using corrugated metal pipe) awarded contract by state highway commission to construct 5.7 miles of highway in Mariposa county between Sierra National Forest and Briceburg. Austin B. Fletcher, state highway engineer.

BISHOP, Inyo Co., Cal.—Trustees declare intention to improve Main St. between north and south city limits by grading and constructing 6-in. cement concrete pavement, curbs, sidewalks and corrugated iron culverts. Paving of E Line St. with 6-in. concrete is included in the proceedings. 1911 Act.

SAN JUAN, San Benito Co., Cal.—As previously reported bids will be received by W. E. Hodges, town clerk, for constructing sewer system, septic tank and appurtenances; estimated cost, $20,000. Involves 5,600 ft. 10-in., 1,100 ft. 8in., and 5,955 ft. 6-in. vitrified pipe; 650 ft. trestle with timber or concrete footings; 51 manholes; 6 flush tanks; Imhoff tank, 11' 6" by 23 ft x 28 ft. deep. Sludge bed 20 ft. x 20 ft. x 4 ft. Plans on file in office of E. C. Abel, First National Bank Bldg., San Juan.

VISALIA, Tulare Co., Cal.—City Engineer L. H. Gadsby, completes specifications to improve West Acequia St., and for paving alley between Main and Acequia Sts., runing from Locust to Floral. Plans ordered prepared for paving South Locust St. between Acequia and Myrtle Ave.

BAKERSFIELD, Kern Co., Cal.—Lloyd S. Stroud, Bakersfield, at $1,571.25, awarded contract by council to construct 8-in. and 6-in. vitrified sewers in 6th St., etc. Other bidders: Valley Construction Co., $1,630; W. J. Schmidt, $1,627. W. D. Clarke, city engineer.

SALINAS, Monterey Co., Cal.—Until March 6, 2 P. M., bids will be received by T. P. Joy, county clerk, for improvements on Tassajara road in Road District No. 5. Howard Cozzens, county surveyor.

TRACY, San Joaquin Co., Cal.—City Engineer W. D. Harrington, preparing plans for paving several streets with 5½-in. hydraulic concrete base with 1½-in. natural bitumen surface. Estimated cost, $90,000.

MARTINEZ, Contra Costa Co., Cal.—Downer & Mero, 2234 Macdonald Ave., Richmond, at $185,860 (Proposition 2) awarded contract by supervisors to construct 7 miles of highway between San Pablo canyon and Orinda Park. R. R. Arnold, county surveyor.

SALINAS, Monterey Co., Cal.—City Engineer Donald Davies completes specifications for improving Harvest and San Luis streets.

LOS GATOS, Santa Clara Co., Cal.—Trustees declare intention to construct sewer in Oak and Lyndon Aves. Protests will be heard March 6.

MIAMI, Ariz.—R. G. Thomas, former town engineer of Miami, awarded contract for constructing second unit of sewer system; his proposal including purchase of $125,000 sewer bonds and $150,000 gas plant bonds at par.

YUBA CITY, Sutter Co., Cal.—Until March 7, 10 A. M., bids will be received by supervisors for constructing Long Bridge-Tarke road, involving 2.55 miles of Butte House Rock. 15-ft. wide: 6-in. thick. Bids will be taken as follows: (1) 600 cu. yds. excavation; (2) 100 lin. ft. culvert pipe; (3) 4 cu. yds. concrete headwalls (Class A); (4) 500 cu. yds. Butte House Rock; (5) 200 lin. ft. guard; County will furnish culvert pipe. **Estimated cost, $29,400.**

Separate bids, same date, for improving portion of Meridan-Kirksville road (First St. Meridan, from S. N. R. R. subway 516 ft. south of E St.) to be paved with reinforced concrete 15 ft. wide, 5 in. thick; involving 7,938 sq. yds. grading and 463 cu. yds. reinforced concrete pavement; contractor to furnish all materials. Estimated cost, $9,500. Oscar Lanzendorf, county road engineer.

WOODLAND, Yolo Co., Cal.—City Engineer Asa G. Proctor, instructed to prepare estimates of cost for installing 400 ft. of water mains in McKinley Ave., also for a 4-in. main in Depot St., to replace the present 2-in. main.

MARTINEZ, Contra Costa Co., Cal.—City Trustees will ask for waterproofing the city water tank on Thomas Hill The Hill-Bubbell Co., of San Francisco, submitted an informal offer covering the work for $3,150. B. H. Green, city engineer.

PALO ALTO, Santa Clara Co., Cal.—Board of Public Works recommends replacing of 1,600 ft. of water main in Talula Ave., with 12-in. cast iron pipe; estimated cost, $4,675. J. F. Byxbee, Jr., city engineer.

YUBA CITY, Sutter Co., Cal.—Until March 7, 10 A. M., bids will be received by supervisors for furnishing and delivering 8,000 bbls. of Portland cement for Knights Landing-Kirksville road. Bids will be taken: (1) f. o. b. Knights Landing, per bbl; (2) f. o. b. Maddock, per bbl.; (3) credit on empty sacks returned, per sack; (4) discount on payments made 10 days after date of invoice, per bbl. Oscar W. Lanzendorf, county road engineer.

SCAPPOOSE, Ore. — Parker-Schram Co., Portland, at $20,592 submits low bid to council for constructing water system; plans by Engineers Lewis & Clark, Chamber of Commerce Bldg., Portland.

SAN LUIS OBISPO, Cal.—Until March 6, 2 P. M., bids will be received by Supervisors for constructing portions of San Luis Obispo-Cambria road, involving 670 cu. yds. excavation; 1707 lin. ft. shaping and rolling; 705 cu. yds. Class A concrete pavement.

Separate bids, same date, for constructing Templeton-Willow Creek road, involving 23,400 cu. yds. excavation.

Separate bids, same date, for constructing Guadalupe-Nipoma road, involving 7,200 cu. yds. excavation; 6,475 cu. yds. Class A concrete; 21,400 lin. ft. shaping and rolling and 21,200 lbs. reinforcing steel. Warren Burch, Lowe Bldg., County Surveyor.

WILLOWS, Glenn Co., Cal.—Word received here that State Highway Commission has appropriated $150,000 for constructing 11-mile link of Willows-Oroville State Highway lateral between Willows and Glenn.

FAIRFIELD, Solano Co., Cal.—Until March 6, 11 A. M., bids will be received by supervisors for grading and paving with asphaltic concrete about 6½ miles of road between Suisun and Cordelia, 5-in. thick, 15 ft. wide; 10,000 cu. yds. grading and 600 lin. ft. of culverts with concrete end walls; estimated cost, $120,000. Imp. Act. 1907. F. A. Steiger, county surveyor.

WATSONVILLE, Santa Cruz Co., Cal.—City Engineer H. B. Kitchen instructed to prepare specifications for paving 17 blocks of streets, a part of the 1922 program.

NEWMAN, Stanislaus Co., Cal.—Warren Construction Co., Rialto Bldg., San Francisco, at $144,635.96 awarded contract by town trustees to pave ten blocks of streets. W. R. Sherman, town engineer.

NOTE—This work fully described in reports of Jan. 26.

WALA WALLA, Wash.—Plans for Division 1, of the city water works system will be completed within 30 days by Engineer Ernest B. Hussey, Alaska Bldg., Seattle, when bids will be asked. Work will consist of reservoir, pipe lines etc., and will cost about $250,000.

BAKERSFIELD, Kern Co., Cal.—The Supervisors order plans prepared for approximately 25 miles of concrete paving in the western section of the county.

BUSINESS OPPORTUNITIES

W. C. Berling, 710 Tribune Bldg., New York City, wishes to arrange to represent San Francisco manufacturers in a sales capacity in New York.

Frank B. Hoffman, Big Bar, Trinity County, Cal., is in the market to have models made of patented articles.

Battery Service Co., 917 Texas St., El Paso, Texas, is in the market for wood separators and boxes for lead storage batteries.

Axtell Co., Inc., by J. O. Hutchison, 104 Wall street, New York City, desires to get in touch with reliable brokerage firms in San Francisco with a view to handling sale of California products in New York.

Dr. D. H. Petingell, Midas, Nev., is in the market for canvas tents and canopies for the use of invalids.

Quality Decorating Company, Box 173, Hollister, Cal., desires to get in touch with wholesale dealers in wall paper.

Hoyt R. Graham, Box 875, Bell, Cal., is in the market for church pews, with a seating capacity of 400.

H. F. Farrell, 1614 South street, Corning, Cal., is in the market to sell oak lumber.

John S. Higgins, box 54, North Bend, Ore., is in the market for oil burning apparatus.

A. E. McCoy, Bonny Doon road, Santa Cruz, Cal., is seeking a market for piling and telephone poles.

John J. Farmer, 2121 Forty-eighth Court, Cicero, Ill., wishes to get in touch with manufacturers of storage battery separators, with a view of jobbing that article in the Illinois market.

Southern Sales & Distributing Co., 612A Main St., Dallas, Texas, wishes to arrange with a brokerage company in this city for the distribution of an electrically heated peanut vending machine.

D. E. Knapp, Alderpoint, Cal., is in the market for an ice-making machine.

Mrs. J. G. Bring, Jefferson, N. C., desires to get in touch with the lumber buyers in this city.

A. J. Kaiser, Junction City, Ore., is in the market for show case glass.

Western Lumber Manufacturing Co., Balfour building, San Francisco, desires to get in touch with firms equipped to treat battery separators.

N. C. Haskell, 656 O'Farrell street, San Francisco, wishes to communicate with dealers in electric bath cabinets.

Herman E. Brown, 17 South Tryon street, Charlotte, N. C., is in the market for crude oil burning apparatus for cooking purposes.

Too Late to Classify

Plans Being Prepared.
APARTMENT HOUSE Cost, $90,000
OAKLAND. Lake Merritt District.
Four-story brick and reinforced concrete apartment house.
Owner—Mr. Kelitsas, Oakland.
Architect—J. C. Thayer, 110 Sutter St., San Francisco.
All modern appliances and conveniences to be installed.

Sub-figures To Be Taken Middle of Next Week.
BANK BUILDING Cost, $40,000
SAN FRANCISCO. SW 8th Ave. and Irving Street.
One-story reinforced concrete and brick bank building.
Owner—Bank of Italy (see Mr. Wm. Cuneo).
Architect—W. D. Shea, Chronicle Bldg., San Francisco.

Contracts Awarded.
BANK BUILDING Cost, $60,000
SAN FRANCISCO. SW 9th Ave. and Clement Street.
One-story reinforced concrete and brick bank building.
Owner—Bank of Italy (see Mr. Wm. Cuneo).
Architect—W. D. Shea, Chronicle Bldg., San Francisco.
Plastering to MacGruer & Simpson, at $7,600.
Plumbing to L. Rovani, 46 Auburn St., at $770.
Electrical Work to Turner Co., 272 Natoma St., at $1,025.
Terra Cotta Work to McBean Co., Crocker Bldg., at $9,500.
Concrete work to be done by day's labor.

Sub-figures Being Taken.
OFFICE BLDG. Cost, $75,000
SAN FRANCISCO. Howard St. and Hawthorne Ave.
Two-story and basement Class C office and loft building.
Owner—S. F. News Co., Howard St., San Francisco.
Architect—N. W. Sexton, Chronicle San Francisco.
Only those contractors that figured for general contract last summer will give segregated figures on this work.

Plans Being Figured—Bids Close March 6th.
ALTERATIONS Cost, $3,000
FAIRFIELD, Solano Co., Cal. County Hospital Grounds.
Alter frame dormitory for child welfare center.
Owner—County of Solano.
Architect—Chas. E. Perry, Jr., 514 Main St., Vallejo.
Plans may be had from County Clerk at Fairfield.

Plans Being Figured.
RESIDENCE Cost, $15,000
PALO ALTO. Middlefield Road and Forest Ave.
Two-story stucco and frame 8-room residence with garage.
Owner—J. W. Camplin, 31 Minna St., San Francisco.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.
Oak floors, furnace heat, tile roof, and 2 bathrooms.

Plans Being Prepared.
RESIDENCE Cost, $16,000
SAN FRANCISCO. Vallejo St. near Broderick St.
Two-story frame and stucco residence (9 rooms and 3 bathrooms).
Owner—Walter Haas of Geo. Haas & Sons, Phelan Bldg., San Francisco.
Architect—C. E. Gottschalk, Phelan Bldg., San Fransisco.
Stucco exterior and terra cotta tile roof, heating, etc.

Contract Awarded.
STORES Cost, $——
PALO ALTO, Santa Clara Co., Cal. University Ave. and Waverly St. One-story reinforced concrete business block 125x80 (5 stores).
Owner—University Realty Co.
Architect—John Powers, 460 Montgomery St., San Francisco.
Contractor—Cahill Bros., 110 Sutter St, San Francisco.

PORTERVILLE, Tulare Co., Cal.—Election will be held March 18, to vote bonds of $80,000 to purchase sites and construct additions to grammar schools

BIOLA, Fresno Co., Cal.—Election will be held March 15, in Biola School District to vote bonds of $40,000 for a new school.

PRINCETON, Colusa Co., Cal.—Election will be called in Princeton School District to vote bonds of $10,000 for a new school.

LODI, San Joaquin Co., Cal.—Jules Perin, Lodi, at $1,375, awarded contract by council to construct storage room, 29x30 and shed 62x20.

PLACERVILLE, El Dorado Co., Cal.—Clifton H. Wildman has been appointed city engineer.

DAILY
PACIFIC BUILDER

The only daily newspaper in the West whose columns are devoted exclusively to Building News. Covers San Francisco and Bay Counties. $1.25 per month, payable in advance. Send for sample copy.

560 MISSION STREET SAN FRANCISCO, CAL.

Contracts Awarded Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

$2,500 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
451	O'Connell	O'Connell	3000
435	Calif Academy	——	250000
454	Benson	Owner	20000
456	Show	Hansen	3000
457	Parkside	Owner	1600
458	Same	Same	4000
459	Same	Same	4000
460	Brady	Owner	12250
461	Real Estate	Wagner	20000
462	Corby	Owner	1500
463	Chinese	Morton	15000
464	Sullivan	Cohn	9400
465	Saunders	Schultz	120000
466	Martin	Galway	19475
467	Varni	Monson	10500
468	Zakeassian	Horstmeyer	2850
470	Watson	Owner	7000
471	Watson	Owner	7000
472	Watson	Owner	14000
473	R C Archbishop	Owner	31000
474	Morris	Allen	20000
475	Hind	Hind	4000
476	Hind	Hind	4000
477	Hind	Hind	4000
478	Hind	Hind	4000
479	Hind	Hind	4000
480	Hind	Hind	4000
484	Lachman	Owner	16000
485	Horn	Stiefel	6900
488	City Realty	Cox	15000
491	Grahn	Owner	12000
496	Corbelli	DeMartini	4500
498	Mosconi	Meyer	9000
499	City	Cox	8000
500	Thompson	Meyer	8000
501	Lagomarsino	Owner	7900
502	Miller	Owner	3000
503	Swift	Gibson	12000
504	Samuels	Deibel	10300
505	Anglo	Fuller	3658
506	Same	Forderer	9586
507	Rumpf	Vukicevich	23693
508	Wobig	Meyer	15150
509	Cooper	Greene	777
510	Bernie	Owner	6000
511	McCain	Ellingson	15000
512	Janssen	Owner	7000
514	Nestler	Coggins	3200
515	McKillop	McKillop	2500
516	Smith	Owner	3500
518	Holden	Prout	12000
520	Prout	Owner	5000
521	Bjorkman	Owner	3000
523	Gates	Moran	5000
525	Bjorkman	Owner	3000
526	Hohnberg	Owner	6100
528	Peiser	Rich	20000
529	Benson	Owner	20000
530	Astredo	Ellingson	7884
531	Dairy Delivery	Morton	6344
532	Slondan	Jensen	27558
533	Same	Bradley	2337
534	Burnett	Warwick	35000
535	Keating	Owner	2500
536	Oyen	Owner	6000
537	Carlson	Carlson	2600
538	Props	Owner	40000
539	Welch	Midbust	8000
540	Janssen	Owner	6500
541	Blanckenburg	Blankenburg	15000
542	Bothe	Owner	3900
548	Thomas	Merrill	3000
550	Lindeman	Lindeman	4250
551	Ryan	Thomas	8000
552	Crothers	Meese	1000
553	Anderson	Campbell	3000
554	Peterson	Owner	4000
555	Siverson	Berge	5600
558	Junior Orpheum	Malott	2447
559	Reith	Meyer	4090
560	Reith	Mohler	12900
561	Zakeassian	Horstmeyer	2850

PERMITS

ALTERATIONS

(451) SW FRANKLIN AND VALLEJO. Plumbing; electric work; painting; concrete work, etc., for flats.
Owner—Mrs. A. L. O'Connell, 12 Steiner St., San Francisco.
Architect—None.
Contractor—F. I. O'Connell, 12 Steiner St., San Francisco. $3000

AQUARIUM

(453) GOLDEN GATE PARK. Concrete aquarium.
Owner—California Academy of Sciences Golden Gate Park.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
Contractor—Not yet selected. $250,000

APARTMENTS

(454) S JACKSON bet. Locust and Spruce. Three-story and basement frame (10) apartments.
Owner—Geo. V. Benson, 725 Pine St., San Francisco.
Architect—D. J. Patterson, 46 Kearny St., San Francisco.
Day's work. $20,000

REPAIRS, ETC.

(456) NO. 135 SECOND. Repair fire damage to lofts, repair elevator, etc.
Owner—B. T. Show, 958 Phelan Bldg., San Francisco.
Architect—None.
Contractor—H. J. Hansen, 180 Jessie St., San Francisco. $3000

DWELLING

(457) W THIRTY-THIRD AVE 125 N Ulloa. One-story and basement frame dwelling.
Owner — Parkside Realty Co., 617 Crocker Bldg., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Day's work. $4000

DWELLING

(458) E THIRTY-FOURTH AVE 275 S Taraval. One-story and basement frame dwelling.
Owner — Parkside Realty Co., 617 Crocker Bldg., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Day's work. $4000

DWELLING

(459) E THIRTY-FOURTH AVE 200 N Balboa. One-story and basement frame dwelling.
Owner — Parkside Realty Co., 617 Crocker Bldg., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Day's work. $4000

FLATS

(460) NE GEARY AND TWELFTH Ave. Two-story and basement frame (4) flats.
Owner — T. W. Brady, 210 12th Ave., San Francisco.
Architect—D. C. Coleman, 110 Sutter St., San Francisco.
Day's work. $12,500

FACTORY

(461) S SIXTEENTH bet. Arkansas and Connecticut. One-story frame factory.
Owner—Real Estate & Development Ct., Hearst Bldg., San Francisco
Architect—None.
Contractor—Geo. Wagner, 251 Kearny St., San Francisco $20,000

DWELLING

(462) N JUDAH 100 W Fourteenth Ave. One-story and basement frame dwelling.
Owner—H. C. Corby, 1652 Page St., San Francisco.
Architect—None.
Day's work. $1500

CHURCH, ETC.

(463) S WASHINGTON 64 E Powell. Two-story brick church and club.
Owner—Chinese Baptist Church, San Francisco and Oakland.
Architect—W. R. Yelland, Perry Bldg., Oakland.
Contractor—John Morton, 217 Balboa Bldg., San Francisco. $15,000

RECORDED

BUILDING

(464) S O'FARRELL 37-6 E Jones E 22-6xS 75. All work for a one-story and basement building.
Owner—Walter H. Sullivan, 759 Pacific Bldg., San Francisco.
Architect—Leo. J. Devlin, Pacific Bldg., San Francisco.
Contractor—Louis J. Cohn, 110 Sutter St., San Francisco.
Filed Feb. 3, '22. Dated Jan. 31, '22
Monthly payments 75%
Usual 35 days.....25%
TOTAL COST, $9,400
Bond, none. Limit, 65 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported Feb. 2, 1922, No. 418.

APARTMENT BUILDING

(465) N GEARY 80 E Polk E 85xN 120. All work for a five-story apartment building.
Owner—Frederick Saunders, guardian estate Carrie Irones, Incpt.
Architect—Griewank & Buckley, Call Bldg., San Francisco.
Contractor—Schultz Construction Co., 46 Kearny St., San Francisco.
Filed Feb. 3, '22. Dated Dec. 30, '21
Concrete walls poured to 3rd floor $15,000
Concrete walls poured to roof 15,000
Rough wood partitions placed 15,000
Three floors brown coated and rough plumbing and electrical work done 15,000
When wood trim placed..... 15,000
Completed and accepted..... 15,000
Usual 35 days..... 30,000
TOTAL COST, $120,000
Bond, $60,000. Surety, New Amsterdam Casualty Co. Limit, 150 days after notified. Forfeit, $25. Plans and specifications filed.

RESIDENCE

(466) W SEA CLIFF AVE 30.04 S from N line Sea Cliff Ave. S 50.10 W 132 N 50.12 E 138.38. All work except plumbing, electrical work marble, tile, painting and warm air furnace for two-story frame residence.
Owner—Lillian C. Martin.
Architect—M. V. Politeo, 1st National Bank Bldg., San Francisco.
Contractor — Robert F. Galway, 2068 Sutter St., San Francisco.
Filed Feb. 3, '22. Dated Feb. 2, '22.
On 15th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $19,475

Bond, $9737.50. Surety, National Surety Co. Limit, 120 days. Forfeit, $5. Plans and specifications filed.

STORE AND FLATS
(467) W MISSION 110-8⅝ S Geneva. All work for three-story frame building (store and flats).
Owner—Wm. and Virginia Varni.
Architect — Arthur G. Scholz, Phelan Bldg., San Francisco.
St., San Francisco.
Contractor—Monson Bros., 251 Kearny
Filed Feb. 3, '22. Dated Feb. 1, 22.
Frame up.....$2625
Brown coated 2625
Completed and accepted..... 2625
Usual 35 days..... 2625
TOTAL COST, $10,500
Bond, none. Limit, 3 months. Forfeit, none. Plans and specifications filed.
NOTE—Permit also applied for today

FLATS
E TWENTY-FOURTH AVE. 225 N Clement. Two-story and basement frame (2) flats.
Owner—Mary Hubanks, SW Post and Larkin Sts., San Francisco.
Architect—A. M. Hardy, 6217 California St., San Francisco.
Contractor—A. M. Hardy, 6217 California St., San Francisco. $11,500

PERMITS

ALTERATIONS
(468) NO. 4077-79 EIGHTEENTH ST. Raise flats and alter for 2 stores.
Owner—K. Zakeassian, Premises.
Architect—None.
Contractor — Wm. Horstmeyer Co., 31 Ord St., San Francisco. $2850

FRAME FLATS
(469) W SIXTEENTH AVE 250 N Balboa. Two-story and basement frame (2) flats.
Owner—P. Midbust, 177 Caselli Ave., San Francisco.
Architect—None.
Day's work. $6000

FRAME FLATS
(470) E SIXTEENTH AVE 150 N Fulton. Two-story and basement frame (2) flats.
Owner—G. E. Watson Bldg. Co., 280 17th Ave., San Francisco.
Architect—None.
Day's work. $7000

FRAME FLATS
(471) W TWENTY-SECOND AVE 150 S Clement. Two-story and basement frame (2) flats.
Owner—G. E. Watson Bldg. Co., 280 17th Ave., San Francisco.
Architect—None.
Day's work. $7000

FRAME FLATS
(472) W TWENTY-SECOND AVE 100 and 125 N Clement. Two two-story and basement frame buildings (2) flats each.
Owner—G. E. Watson Bldg. Co., 280 17th Ave., San Francisco.
Architect—None.
Day's work. $7000 each

CHURCH
(473) N FILBERT 137-6 E Powell. Superstructure for steel frame and reinforced concrete church and school.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco
Architect—Chas. Fantoni, 550 Montgomery St., San Francisco.
$31,000

RESIDENCE
(474) S McLAREN 9 E Thirtieth Ave. Two-story and basement frame residence.
Owner—Bert Morris, S. Architect
Architect—Earle B. Bertz, 168 Sutter St., San Francisco
Contractor—Allen & Co., 168 Sutter St., San Francisco. $20,000

RECORDED

RESIDENCE
(475) NW CRESCENT AVE. AND LOT 18 N 75 E 25, ptn. lot 18 blk. G, French & Gilman Tract. All work for two-story frame residence.
Owner—Alfred E. Hind, Colusa, Cal.
Architect—W. G Hind, 3885 Webster St., Oakland.
Contractor — Harry W. Hind, 1822 Hearst St., Oakland.
Filed Feb. 4, '22. Dated Jan. 31, '22
Rustic and roof boards on.....25%
Rough coat plaster on.....25%
Completed and accepted.....25%
Usual 35 days.....25%
TOTAL COST, $4,000
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(476) INT. W LINE LOT 19 and N Crescent Ave. N 75xE 25, ptn. blk G, French & Gilman Tract. All work for two-story frame residence.
Owner—Alfred E. Hind, Colusa, Cal.
Architect—W. G Hind, 3885 Webster St., Oakland.
Contractor — Harry W. Hind, 1822 Hearst St., Oakland.
Filed Feb. 4, '22. Dated Jan. 31, '22
Rustic and roof boards on.....25%
Rough coat plaster on.....25%
Completed and accepted.....25%
Usual 35 days.....25%
TOTAL COST, $4,000
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(477) INT. N CRESCENT AVE. and W line lot 20 N 75xE 25, ptn blk G French & Gilman Tract. All work for two-story frame residence.
Owner—Alfred E. Hind, Colusa, Cal.
Architect—W. G Hind, 3885 Webster St., Oakland.
Contractor — Harry W. Hind, 1822 Hearst St., Oakland.
Filed Feb. 4, '22. Dated Jan. 31, '22
Rustic and roof boards on.....25%
Rough coat plaster on.....25%
Completed and accepted.....25%
Usual 35 days.....25%
TOTAL COST, $4,000
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(478) INT. N CRESCENT AVE. and W line lot 21 N 75xE 25, ptn. blk. G French & Gilman Tract. All work for two-story frame residence.
Owner—Alfred E. Hind, Colusa, Cal.
Architect—W. G Hind, 3885 Webster St., Oakland.
Contractor — Harry W. Hind, 1822 Hearst St., Oakland.
Filed Feb. 4, '22. Dated Jan. 31, '22
Rustic and roof boards on.....25%
Rough coat plaster on.....25%
Completed and accepted.....25%
Usual 35 days.....25%
TOTAL COST, $4,000
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(479) N CRESCENT AVE. DIST. 25 E from W line lot 21 N 75 E to SW line Leese, SE 32 more or less S 48 W 25, ptn. blk. G, French & Gilman Tract. All work for two-story frame residence.
Owner—Alfred E. Hind, Colusa, Cal.
Architect—W. G Hind, 3885 Webster St., Oakland.
Contractor — Harry W. Hind, 1822 Hearst St., Oakland.
Filed Feb. 4, '22. Dated Jan. 31, '22
Rustic and roof boards on.....25%
Rough coat plaster on.....25%
Completed and accepted.....25%
Usual 35 days.....25%
TOTAL COST, $4,000
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(480) N CRESCENT AVE. DIST. E 50 from W line lot 21 N 48 more or less SE 56.32 more or less, W 38.5, ptn. lot 21 blk. G, French & Gilman Tract. All work for two-story frame residence.
Owner—Alfred E. Hind, Colusa, Cal.
Architect—W. G Hind, 3885 Webster St., Oakland.
Contractor — Harry W. Hind, 1822 Hearst St., Oakland.
Filed Feb. 4, '22. Dated Jan. 31, '22
Rustic and roof boards on.....25%
Rough coat plaster on.....25%
Completed and accepted.....25%
Usual 35 days.....25%
TOTAL COST, $4,000
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
W SEA CLIFF 30 S of N line of Sea Cliff. Two-story and basement frame residence.
Owner—Lillian C. Martin, Stanford Ct. Apts., San Francisco.
Architect—M. V. Pollteo, 1301 First National Bank Bldg., San Francisco.
Contractor—Robert F. Galway.
$25,000

WAREHOUSE
(484) W CAPP 125 N 17th. Two-story concrete chair warehouse.
Owner—G. Lachman, Mission and 16th Sts., San Francisco.
Architect—S. Heiman, 57 Post St., San Francisco.
Day's work. $16,000

FLATS
(485) W EIGHTH AVE 100 S Clement Two-story and basement frame store and flat.
Owner—Harry Horn, 328 8th Ave., San Francisco.
Architect—None.
Contractor—John V. Stiefel, 184 23rd Ave., San Francisco. $6900

FLATS
(488) SW FIFTH AVE AND LINCOLN Way. Two-story and basement frame (4) flats.
Owner—City Realty Co., 46 Kearny St., San Francisco.
Plans by Owner.
Contractor—Cox Bros., 1375 9th Ave., San Francisco. $15,000

DWELLINGS
(491) N SHAFTER AVE 125 E Lane and S Shafter Ave. 200 and 225 E Keith. Three one-story and basement frame dwellings.
Owner—Wm. H. Grahn, 2840 Bryant St., San Francisco.
Architect—None.
Day's work. $4000 each

STORES AND FLATS
(498) SW GEARY AND TWENTY-second Ave. Three-story and basement frame store and (2) flats.
Owner—Messrs. J. Masconi and L. Ferrera, 53 24th Ave., S. F.
Architect—Milton Morrison, 716 45th Ave., San Francisco
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $9000

DWELLINGS
(499) N KIRKHAM 95 and 120 E Seventh Ave. Two one-story and basement frame dwellings.
Owner — City Realty Co., 46 Kearny St., San Francisco.
Plans by Owner.
Contractor—Cox Bros., 1375 9th Ave., San Francisco. $4000 each

FRAME FLATS
(500) W SIXTEENTH AVE 100 S Capitillo. Two-story and basement frame (2) flats.

wner—N. T. Thompson, 20th Ave. and Geary St., San Francisco.
rchitect—H. C. Baumann, 251 Kearny St., San Francisco.
ontractor—Meyer Bros., 5326 Geary St., San Francisco. $8000

RAME FLATS
501) E SIXTH AVE 100 S Cabrillo. Two-story and basement frame (2) flats.
wner—Elizabeth Lagomarsino, 212 3d Ave., San Francisco.
rchitect—None.
ay's work. $7900

WELLING
502) W TWENTY-SEVENTH AVE 225 S Taraval. One-story and basement frame dwelling.
wner—A. Miller, 2109 6th St., Berkeley
rchitect—None.
ay's work. $3000

WELLINGS
503) W THIRTY-SECOND AVE 420, 450 and 480 S Lincoln Way. Three one-story and basement frame dwellings.
wner—Ed. Swift, 1372 Mission St., San Francisco.
rchitect—R. N. Gibson, 55 5th St., San Francisco.
ontractor—R. N. Gibson, 55 5th St., San Francisco. $4000 each

RECORDED

RAME FLATS
504) N LAKE 32-6 E Twenty-seventh Ave E 50xN 100. Carpenter, mill deafening for two two-story frame flat buildings.
wner—N. Samuels, 159 Parker Ave., San Francisco.
rchitect—Mel I. Schwartz, Nevada Bk. Bldg., San Francisco.
ontractor—L. J. Deibel, 2453 Buchanan St., San Francisco.
Filed Feb. 6, '22. Dated Feb. 4, '22.
2nd floor joists laid.....$2575
Ready for lathing..... 1250
Completed and accepted..... 3900
Usual 35 days..... 2575
TOTAL COST, $10,300
Bond, $5150. Sureties, Fredk. S. Spencer and Wm. J. Cereghino. Limit, 100 days. Forfeit, none. Plans and specifications filed.

BANK BLDG.
(505) NW SANSOME AND SUTTER —138-4⅞xW 122. Glazing for alterations and additions to Class A bank building.
Owner—Anglo & London Paris Nat'l Bank of San Francisco.
Architect — Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—W. P. Fuller & Co., SW Beale and Mission Sts., S. F.
Filed Feb. 6, '22. Dated Dec. 31, '21.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $3658
Bond, $1829. Surety, Globe Indemnity Co. of New York. Limit, 90 days. Forfeit, none. Plans and specifications filed.

METAL FRAMES
(506) W SANSOME 46-10⅛ m or I N Sutter N 91-6xW 122-9. Hollow metal window frames and sash for alterations and additions to Class A bank building.
Owner—Anglo & London Paris Nat'l. Bank of San Francisco.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—Forderer Cornice Works, 269 Potrero Ave., San Francisco.
Filed Feb. 6, '22. Dated Jan. 20, '22.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $9486
Bond, $4743. Surety, United States Fidelity & Guaranty Co. Limit, as fast as required. Forfeit, none. Plans and specifications filed.

CLASS C BLDG.
(507) S HOWARD 250 E Second ——. All work for two-story and basement Class C building.
Owner—Herman Rumpf, 1801 Divisadero St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor — Vukicevich & Bagge, 180 Jessie St., San Francisco.
Filed Feb. 6, '22. Dated Jan. 23, '22.
1st floor joists set and concrete poured to this level.....$4442
2nd floor joists set and concrete poured to this level..... 4442
All concrete poured and roof on 4442
Completed and accepted..... 4442
Usual 35 days..... 5925
TOTAL COST, $23,693
Bond, $11,847. Sureties, J. H. McCallum and H. W. Gaetjen. Limit, 120 days. Forfeit, none. Plans and specifications filed.

FLATS
(508) NE TWENTY-EIGHTH AVE. and Geary. All work for two-story and basement frame building, store and flats.
Owner—Herman F. Wobig.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.
Filed Feb. 6, '22. Dated Jan. 30, '22.
Frame up $3937.50
Brown coated 3937.50
Completed 3937.50
Usual 35 days..... 3937.50
TOTAL COST, $15,750.00
Bond, none. Limit, 90 days. Forfeit none. Plans and specifications filed.

ADDITIONS
(509) NO. 129 ANZA. All work for additions to residence.
Owner—Chas. A. Cooper, Premises.
Architect—None.
Contractor—M. E. Greene, 180 Jessie St., San Francisco.
Filed Feb. 6, '22. Dated Jan. 25, '22.
To be paid as work progresses
Upon completion .....Balance
TOTAL COST, $777.50
Bond, limit, forfeit, plans and specifications, none.

STORE AND FLATS
(510) SE ALABAMA AND TWENTY-sixth. Two-story and basement frame store and flats.
Owner—James Bernie, 485 30th St., San Francisco.
Architect—None.
Day's work. $6000

FLATS
(511) SE CALIFORNIA & THIRTY-second Ave. Two-story and basement frame (4) flats.
Owner—Ida F. McCain, 318 Kearny St., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Contractor—E. Ellingson, 180 Jessie St., San Francisco. $15,000

JOOST BROTHERS
Builders' Hardware
Tools, Etc.
(Members Builders' Exchange)
1053 MARKET ST.
Phone Market 891 San Francisco

DWELLINGS
(512) S CABRILLO 32-6 and 57-6 W 16th. Two 1-story and basement frame dwellings.
Owner—E. A. Janssen, 402 Hearst Bldg. San Francisco.
Architect—None.
Day's work. $3500 each

FACTORY
(514) S CLARA 195 E 6th. Two-story frame fur. manufacturing plant.
Owner—F. Nestler, Hotel Royal, Oakland.
Plans by owner.
Contractor—L. M. Coggins, 115 Turk St., San Francisco. $3200

HEATING PLANT
(515) N CALIFORNIA 112 W Hyde. Install steam heating plant for apartments.
Owner—D. McKillop, 540 Cole St., San Francisco.
Architect—None.
Contractor—McKillop Bros., 540 Cole St., San Francisco. $2500

DWELLING
(516) E EDINBURGH 200 S Brazil. One-story and basement frame dwelling.
Owner—Martin Smith, 114 Girard St., San Francisco.
Architect—None.
Day's work. $3500

DWELLINGS
(518) NE GARCIA AND IDORA AVE. and E Garcia 45 and 80 N Idora. Three 1-story and basement frame dwellings.
Owner—St. George Holden, Crocker Bldg., San Francisco.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.
Contractor—J. Prout, 2020 Turk St., San Francisco. $4000 each

DWELLING
(520) S MAGELLAN 67 W Cortez. One-story and basement frame dwelling.
Owner—J. Prout, 2020 Turk St., San Francisco.
Architect—None.
Day's work. $5000

DWELLING
(521) W MISSION 390 N Charles. Two story and basement frame dwlg.
Owner—John Bjorkman, Carolina Apartments, San Francisco.
Architect—None.
Day's work. $3000

ADDITION
(523) NO. 750 TENTH AVE. Additions to flats.
Owner—Percy Gates, Premises.
Architect—None.
Contractor—Harry Moran, 778 10th Ave., San Francisco. $5000

DWELLING
(525) W MISSION 365 N Charles. Two-story and basement frame dwelling.
Owner—John Bjorkman, Carolina Apartments, San Francisco.
Architect—None.
Day's work. $3000

FRAME FLATS
(526) S HARRIET 100 S Harrison. Two-story and basement frame (4) flats.
Owner—Gustave B. Hohnberg, 152 Park St. San Francisco.
Architect—None.
Day's work. $6100

ALTERATIONS
(528) SW BROADWAY & FRANKlin. Alter for apartments.
Owner—Mrs. H. Peiser, Premises.
Architect—M. J. Lyon, Premises.
Contractor—Constr. Division of A. J. Rich Co., Premises. $20,000

APARTMENTS
(529) S JACKSON bet. Laurel and Spruce. Finishing three-story and basement frame (10 apartments.
Owner—Geo. V. Benson, 725 Pine St., San Francisco.
Architect—D. J. Patterson, 46 Kearny St., San Francisco.
Day's work. $20,000

RECORDED

BUNGALOW
(530) W MASON 77-6 N Vallejo. All work for bungalow.
Owner—J. C. Astredo.
Architect—Angelo Hewetson.
Contractor — Elling Ellingson, 189 Jessie St., San Francisco.
Filed Feb. 7, '22. Dated Feb. 6, '22.
Frame up $1971
Plastered 1971
Completed and accepted..... 1971
Usual 35 days..... 1971
TOTAL COST, $7884
Bond, none Limit, 70 days. Forfeit, none. Plans and specifications filed.

STORAGE SHED
(531) E GUERRERO 148 N 19th 49-6 xE 105. All work for one-story frame storage shed.
Owner--Dairy Delivery Co., 3550 19th St., San Francisco.
Architect—Will H. Toepke, 912 Market St., San Francisco.
Contractor—John Morton, Balboa Bldg., San Francisco.
Filed Feb. 7, '22. Dated Jan. 26, '22
Frame up & roof sheathing on.$1586
Skylight on and 1st coat plaster on 1536
Completed and accepted..... 1586
Usual 35 days..... 1586
TOTAL COST, $6344
Bond, $3172. Surety, New Amsterdam Casualty Co. Limit, 40 days. Forfeit, $10. Plans and specifications filed.

FILM EXCHANGE
(532) N TURK 37-6 W Leavenworth 50x137-6. All work except lath and plaster for two-story reinforced concrete film exchange building
Owner—F. J. S. Conlan, 135 Stockton St., San Francisco.
Architect—Jos. L. Stewart, 703 Market St., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
Filed Feb. 7, '22. Dated Feb. 3, '22.
2nd floor of concrete poured.$6889.50
Roof poured 6889.50
Completed and accepted..... 6889.50
Usual 35 days..... 6889.50
TOTAL COST, $27,558.00
Bond, $14,000. Sureties, Jno. A. Grenvan and Geo. W. Hooper. Limit, forfeit, none. Plans and specifications filed.

(533) LATHING AND PLASTERING on above.
Contractor—Peter Bradley, 180 Jessie St., San Francisco.
Filed Feb. 7, '22. Dated Feb. 3, '22.
Lath and brown coat plaster on $876.75
Lath and plaster completed.. 876.00
Usual 35 days..... 584.25
TOTAL COST, $2337.00
Bond, $1200. Surety, National Lathing Co. Limit, forfeit, none. Plans and specifications filed.

APARTMENTS
(534) S CLAY 200 E Hyde. Three-story and basement frame (12) apartments.
Owner—G. W. Burnett, 815 O'Farrell St., San Francisco.
Architect—C. H. Skidmore, New Call Bldg., San Francisco.
Contractor—Harry C. Warwick, 3191 Washington St., San Francisco. $35,000

DWELLING
(535) NO. 241 CRESCENT AVE. One-story and basement frame dwelling.
Owner—D. Keating, 600 Andover St., San Francisco.
Plans by owner.
Day's work. $2500

FLATS
(536) N CALIFORNIA 70 and 95 W 9th Ave. Two 2-story and basement frame (2 flats each) flats.
Owner—O. M. Oyen, 67 Carmel St., San Francisco.
Architect—None.
Day's work. $6000

DWELLING
(537) NO. 64 GRANADA AVE. One-story and basement frame dwelling.
Owner—Herman Carlson, 62 Granada Ave., San Francisco.
Architect—None.
Contractor—Gust Carlson, 62 Granada Ave., San Francisco. $2600

APARTMENTS
(538) SW HYDE AND PINE. Three-story and basement frame (15) apartments.
Owner—W. Props, 1665 Clay St., San Francisco.
Architect—None.
Day's work. $40,000

FLATS
(539) N NINETEENTH AVE. 194 N Cabrillo. Two-story and basement frame (2) flats.
Owner—John Welch, 3816 18th St., San Francisco.
Architect—None.
Contractor—P. Midbust, 177 Caselli Ave., San Francisco. $8000

FLATS
(540) W NINETEENTH AVE. 250 N Anza. Two-story and basement frame (2) flats.
Owner—E. A. Janssen, 402 Hearst Bldg., San Francisco.
Architect—None.
Day's work. $6500

APARTMENTS
(541) N PINE 43 E Jones. Three-story and basement frame (6) apartments.
Owner—Blanckenburg and Williamson, 105 Montgomery St., San Francisco.
Architect—None.
Contractor — E. Blanckenburg, 105 Montgomery St., San Francisco. $15,000

DWELLINGS
(542) N REVERE 25 and 50 W Ingalls. Two 1½-story and basement frame dwellings.
Owner—Reinhold Bothe, 1515 Railroad Ave., San Francisco.
Architect—None.
Day's work. $1950 each

ALTERATIONS
(548) NO. 1166 PAGE. Re-arrange 2-story and basement frame residence for 2 flats.
Owner—Mrs. Ruby Thomas, 1852 Fell St., San Francisco.
Architect—None.
Contractor—David O. Merrill, 3164 Texas St., Oakland. $3000

RECORDED

BUNGALOW
(550) W TWENTY-SEVENTH AVE. 200 N Geary N 25xW 120. All work for one-story frame bungalow.
Owner—H. O. Lindeman, 232 Anza St., San Francisco.
Architect—None.
Contractor—W. H. Lindeman, 520 Balboa St., San Francisco.
Filed Feb. 8, '22. Dated Feb. 8, '22.
Frame up and enclosed.....$1062.50
Rough plastered 1062.50
Completed 1062.50
Usual 35 days..... 1062.50
TOTAL COST, $4200.00
Bond, none. Limit, 90 days. Forfeit $3. Plans and specifications filed.

CONCRETE BLDG.
N TURK 37-6 W Leavenworth. Two-story and basement concrete building.
Owner—F. J. S. Conlan, 135 Stockton St., San Francisco.
Architect—Jos. L. Stewart, 703 Market St., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco. $28,000

FRAME FLATS
(551) E TWENTIETH AVE 275 S Anza. Two-story and basement frame (2) flats.
Owner—Wm. T. Ryan, 382 20th Ave., San Francisco.
Architect—None.
Contractor—J. C. Thomas, 380 20th Ave., San Francisco. $8000

FRAME DWELLING
(553) NE JOOST AND GENNESSEE. One-story and basement frame dwelling.
Owner—Arnt Anderson, 995 Market St., San Francisco.
Architect—None.
Contractor—J. H. Campbell, 558 Ashbury St., San Francisco. $3000

DWELLING
(554) S IRVING 32-6 E Forty-first Ave. One-story and basement frame dwelling.
Owner—W. C. Peterson, 1570-A Eddy St., San Francisco.
Architect—None.
Day's work. $4000

FRAME DWELLING
(555) W SAN LEANDRO 155 S Monterey Blvd. Two-story and basement frame dwelling.
Owner—L. K. Siverson, 1234 30th Ave., San Francisco.
Architect—None.
Contractor—Julius Berge, 1234 30th Ave., San Francisco. $5600

RECORDED

ROOFING FLASHING, ETC.
(558) NW GOLDEN GATE AVE AND Taylor. Roofing flashings and counter flashing and cast iron sumps for theatre building.
Owner—Junior Orpheum of San Francisco by W. S. Dinwiddie, Crocker Bldg., San Francisco.
Architect — G. Albert Lansburgh, 709 Mission St., San Francisco.
Contractor — Malott & Peterson, 2412 Harrison St., San Francisco.
Filed Feb. 9, '22. Dated Jan. 25, '22.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $2447
Bond, $1223.50. Surety, London & Lancashire Indemnity Co. Limit, forfeit, plans and specifications, none.

BUNGALOW
(559) E TWENTY-FIFTH AVE near Balboa All work for five-room frame bungalow.
Owner—Alexander H. Reith, 4121 18th St., San Francisco.
Architect—None.
Contractor — Theodore G. and Rollin E. Meyer, 5326 Geary St., S. F.
Filed Feb. 9, '22. Dated Dec. 6, '21.
Frame up $1022.50
Brown coated 1022.50
Completed 1022.50
Usual 35 days..... 1022.50
TOTAL COST, $4090.00
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications, none.

FRAME BUILDINGS
(560) E TWENTY-THIRD AVE 175 N Cabrillo 75x120. All work for three one-story and basement frame buildings
Owner—A. H. Reith, 4121 18th St., San Francisco.

Architect—None.
Contractor—T. E. Mohler, 593 21st Ave., San Francisco.
Filed Feb. 9, '22. Dated Jan. 31, '22.
Rough frame up.....$3225
Brown coated 3225
Completed and accepted..... 3225
Usual 35 days..... 3225
TOTAL COST, $12,900
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(561) S EIGHTEENTH bet. Castro & Hartford, No. 4077-4079 18th St. All work for alterations and additions to two-story frame building.
Owner—K. Zakeassian, 4077 18th St., San Francisco.
Architect—None.
Contractor—W. Horstmeyer & Co., 31 Ord St., San Francisco.
Filed Feb. 9, '22. Dated Feb. 7, '22.
Brown coated $1000
Completed and accepted....Balance
TOTAL COST, $2850
Bond, none. Limit, 45 days. Forfeit, $10. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
Feb. 9, 1922—W TENTH AVE 100 S Kirkham 25x 120; No. 1509 Tenth Ave. Rose Donigan to Jno E McCarthy.....Feb. 8, 1922
Feb. 9, 1922—SW SANSOME AND Broadway; No. 825 Sansome. Harriette De Witt Kittle to Alfred H Vogt.....Feb. 7, 1922
Feb. 9, 1922—NW GEARY & SECOND Ave W 61-5xN 100. Ulrich F Remensperger to A W Lawson, Stranahan & De Bord, Schwartz Elec. Co, Herman Lawson and J P Hayes & Co.....Feb. 9, 1922
Feb. 9, 1922—N 18.66 FT. LOT 27 and SW 18.34 Lot 28 Blk 8, Forest Hill. L K and Ragna Siversen to Julius Berge.....Feb. 7, 1922
Feb. 9, 1922—SW DIVISADERO AND Waller 195 Divisadero 32x100. Robert R Russ to S A Chase.....Feb. 7, 1922
Feb. 9, 1922—S CARMEL 183-10 E Cole 25x125. O M Oyen to whom it may concern.....Feb. 4, 1922
Feb. 8, 1922—NE NEW MONTGOMery and Mission (Crossley Bldg.) A Aronson, L Metzger and L Schoenberg to Eri Richardson (2 acceptances filed as above).....Feb. 7, 1922
Feb. 7, 1922—S VALLEJO 192-6 E Steiner. Emma Owens to whom it may concern.....Feb. 3, 1922
Feb. 8, 1922—SE TWENTIETH AVE and Clement 70x100. Fred Spreen to whom it may concern.....Feb. 6, 1922
Feb. 8, 1922—E TENTH AVE 175 N Anza N 25xE 120. H O Lindeman to W R Lindeman.....Feb. 8, 1922
Feb. 7, 1922—W BAKER 120 from Golden Gate Ave N 37-6. Theresa M C Wagner to F H John & Co.....Feb. 1, 1922
Feb. 7, 1922—LOT 9 BLK 16 St Francis Wood Extn. Homes Loan Corp to W J Mangels and H C Mangels as Mangels Bros.....Feb. 6, 1922
Feb. 7, 1922—E FUNSTON AVE 225 S Lake S 25xE 120. Jno. J Kingwell to whom it may concern.Feb. 7, 1922
Feb. 7, 1922—W EIGHTH AVE 155 S Balboa S 25x120. Alfred T Morris to whom it may concern.Feb. 6, 1922
Feb. 7, 1922—W NINETEENTH AVE 225 S Cabrillo S 25xW 120; W 19th Ave 250 S Cabrillo S 25xW 120. Bryan and Patrick J Feerick to whom it may concern....Feb. 6, 1922
Feb. 7, 1922—W GIRARD 100 S Woolsey S 50x120. Mary Goolts to whom it may concern..Feb. 7, 1922
Feb. 6, 1922—N TURK 181-3 W Larkin W 25xN 137-6. Salmon Jacobowski to Theo S Hoin....Feb. 4, 1922
Feb. 6, 1922—S GREENWICH 162-6 E Broderick. Philip and Antoning Lombardo to A L Spingola.....Feb. 6, 1922
Feb. 6, 1922—W FORTY-THIRD AVE 180 N Fulton N 50xW 120. John Bjorkman to whom it may concern.....Feb. 6, 1922
Feb. 6, 1922—LOT 6 BLK 3108 Westwood Park. Kate A Dennis to Hans Nelson.....Jan. 30, 1922
Feb. 6, 1922—N ELLIS 37.5 E Broderick E 25 N 112.5. Pacific Gas & Electric Co to Clinton Construction Co of Cal.....Feb. 1, 1922
Feb. 6, 1922—E TWENTY-SEVENTH Ave 125 N Clement 25x64 9/12. Edw M Puntney to whom it may concern.....Jan. 5, 1922
Feb. 6, 1922—E TENTH AVE 150 N Anza N 25xE 120. Laura M Landers to John Little.....Feb. 6, 1922
Feb. 4, 1922—W DOLORES 64 N 30th N 25xW 90. Chas A Gertsbacher to Anders M Boe.....Feb. 4, 1922
Feb. 4, 1922—SW CLEMENT AND Tenth Ave W 100xS 50. David H Eisenbach to Schwartz Elec Co, David Gibbs, Louis Fontanella and Peter Bradley.....Feb. 1, 1922
Feb. 4, 1922—SW FRANKLIN AND Ivy W 75xS 60. Thos F Kiernan and Richard J O'Brien to Kiernan & O'Brien.....Feb. 4, 1922
Feb. 3, 1922—LOTS 12 TO 16 BLK "O" Mission Terrace. Amanda A Olsen to Olaf Olsen.....Feb. 3, 1922
Feb. 3, 1922—N ACADEMY AND Charles NE 47 NW 89-6 SW 47 m or l SE 92 Ptn Lots 7 to 10 Blk 17, Fairmount Tract. Alfred E Hind to Harry W Hind.....Jan. 31, 1922
Feb. 3, 1922—S GEARY 134-9 E 30th Ave 32-6x59 m or l. Sol Getz & Sons, Inc to Day Thorsell.Feb. 2, 1922

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount
Feb. 8, 1922—S STAPLES AVE 25 E Genesee E 25xS 75 Ptn Sunnyside Blk 14. Spring Valley Lumber Yard vs A Clement Glaubert and wife, Mae Glaubert $200

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount
Feb. 4, 1922—W TWENTY-EIGHTH Ave 250 S Anza 25x120. Fred H Field to whom it may concern..$90
Feb. 2, 1922—S CALIFORNIA 181-3 W Baker W 25xS 137-6. Charles Shirey to J J Lakin.....

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Feb. 7, 1922—SE SUTTER & POWELL S 138-5xE 115-9. Real Property Investment Co as to improvements on property .....
Feb. 7, 1922—SW GEARY & GRANT Ave S 27-6xW 80. Annie E Bates estate as to improvements on property .....
Feb. 7, 1922—S SUTTER 112-6 E Scott E 80xS 137-6. Emelie J F Hageman as to improvements on property .....
Feb. 6, 1922—SW SUTTER & POLK W 68-9xS 120. Ortega Investment Co as to improvements on property

ARCHITECT'S CERTIFICATE

SAN FRANCISCO COUNTY

Feb. 2, 1922—Vernon W Houghton has filed his certificate of architecture for San Francisco County.

BUILDING CONTRACTS

ALAMEDA COUNTY

$2,500 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
471	Lundgren	Owner	3500
472	MacGregor	Owner	6500
473	MacGregor	Owner	6500
474	Cooley	Owner	6100
475	Enterprise	Owner	4800
477	Firenzo	Johnson	3200
478	Ames	Bulcher	6825
480	Booth	Warner	30090
481	Donnell	Owner	5000
482	Cornick	Owner	4000
483	Sims	Owner	4000
484	Viscia	Kopf	8000
485	Santord	Kopf	6920
486	Kepple	Owner	3200
487	Stormer	Rutherford	23493
488	Denbigh	Jepsen	3775
489	Same	Conner	2100
490	Same	Knights	500
491	Same	Austin	1120
492	Rizzio	Johnson	3735
494	Carlson	Owner	6000
495	Swasey	Johnson	4500
496	Breiling	Healy	3600
497	Isaacs	Owner	4200
498	Same	Same	3500
499	Same	Same	3750
500	Same	Same	4450
501	Same	Same	7500
502	Lawton	Owner	4900
503	Glantz	Owner	3500
504	McCord	Owner	2600
505	Same	Same	2600
508	Anderson	Owner	3000
509	Harrison	Potter	3750
510	Faulkes	Owner	2700
513	Soroni	Pond	2900
516	Dwight	Owner	3500
518	Price	Owner	3000
519	Harms	MacGregor	2750
520	Same	Same	3500
521	Same	Same	3000
522	Same	Same	3500
523	Same	Same	3500
524	Goss	Owner	3500
525	Wilson	Owner	7000
526	Furlong	Owner	5000
529	Brasch	Owner	8000
531	Rasmussen	Bernhardy	3000
532	Rowlands	Hendricks	4000
533	Moneta	Meracle	3000
534	Jensen	Nall	8500
535	Farren	Myer	4000
536	Howard	Owner	3000
537	Noble	Owner	4000
538	Same	Same	4000
541	Novack	Owner	4000
542	P G & E	Tibbetts	45490
544	Franklin	California	20000
547	Lubekeman	Rogers	4500
550	Assuma	Owner	3000
551	Norris	Owner	4000
552	Hill	Owner	3000
553	Moneta	Meracle	5906
554	Scheeline	Nelson	16980
555	Wearton	Owner	5000
556	Hibbard	Owner	3700
557	Moller	Petersen	3400
558	Bain	Petersen	13000
559	Nichols	Petersen	19000
560	Berkeley	Owner	6000
562	Berkeley	Owner	3000
563	Pearson	Owner	2500
564	Marquis	Owner	12000
565	Marquis	Owner	3000
566	Gilman	Owner	4000
568	Underhill	Sharpe	4800
570	Costello	Wieben	3800
571	Johnson	Winther	2500
572	Pavert	Owner	5000
573	S. P. Co.	Owner	10000
574	Graham	Owner	2500
575	Hufschmidt	Healy	3500

No.	Owner	Contractor	Amt.
576	Hufschmidt	Healy	3500
577	Kahn	MacDonald	20000
578	S. P. Co.	Automatic	3895
579	Coughlin	Ryder	6100

PERMITS

DWELLING
(471) N CHANNING 30 W Curtis, Berkeley. One-story 5-room dwlg.
Owner—Andrew Lundgren, 2334 Curtis St., Berkeley.
Architect—None.
Day's work. $3500

DWELLING
(472) MOUNTAIN AVE., Piedmont. Two and one-half story frame dwelling and garage.
Owner—C. M. MacGregor, 470 13th St., Oakland.
Architect—None.
Day's work $6500

DWELLING
(473) HIGHLAND AVE. AND PIEDmont Court, Piedmont. Two and one-half story frame dwelling and garage.
Owner—C. M. MacGregor, 470 13th St., Oakland.
Architect—None.
Day's work $6500

DWELLING
(474) CARMEL AND OAKLAND AVE., Piedmont. Two and one-half story frame dwelling.
Owner—R. C. Cooley.
Architect—None.
Day's work. $6100

DWELLING
(475) CARMEL AVE. nr. Oakland Ave., Piedmont. Two-story frame dwelling.
Owner—Enterprise Hall Association.
Architect—None.
Day's work. $4800

DWELLINGS
(477) S FORTY-FOURTH 100 E Shafter Ave., Oakland. Two one-story 3-room dwellings.
Owner — Victor Firenzi, 818 47th St., Oakland.
Architect—None.
Contractor—Johnson & Deweese, Syndicate Bldg., Oakland. $1600 each

ALTERATIONS
(478) NO. 3025 GROVE ST., Oakland. Alterations.
Owner—Nona G. Ames.
Architect—None.
Contractor — Blucher Bros., 151 Van Dyke Ave., Oakland. $6825

ARMORY
(480) N TWENTY-THIRD 150 W Grove, Oakland. Two-story brick and tile armory.
Owner—C. S. Booth, 375 Euclid Ave., Oakland.
Architect—L. F. Hyde, 2645 26th Ave., Oakland.
Contractor — S. A. Warner, Builders' Exchange, Oakland. $30,000

DWELLING
MANOR DRIVE, Piedmont. Two and one-half story frame dwelling.
Owner—Edna S. Johnson.
Architect—None.
Contractor—W. J. Baker. $6502

DWELLING
(481) CAMBRIDGE WAY & JEROME Ave., Piedmont. One and one-half story frame dwelling.
Owner—W. J. Donnell, 2026 Prince St., Berkeley.
Architect—None.
Day's work. $5000

DWELLING
(482) S FORTY-SECOND 70 E Shafter Ave., Oakland. One-story 6-room dwelling.
Owner—R. Cormack, 391 43rd St., Okd.
Architect—None.
Day's work. $4000

DWELLING
(483) E FORTY-SECOND AVE 200 N Foothill Blvd., Oakland. One-story 6-room dwelling.
Owner—Wm. H. Sims, 1926 64th Ave., Oakland.
Architect—None.
Day's work. $4000

FLATS
(484) N GLENVIEW AVE 60 W Rand Ave., Oakland. Two-story 10-room flats.
Owner—F. C. Viscia, Castro Apartments, Oakland.
Architect—None.
Contractor — Ben F. Kopf, 1015 82nd Ave., Oakland. $8000

DWELLING
(485) N HUBERT ROAD 400 E Grosvenor Road, Oakland. Two-story 6-room dwelling.
Owner—W. F. Sanford, 69-A 11th St., Oakland.
Architect—Harris Allen.
Contractor — Ben F. Kopf, 1015 82nd Ave., Oakland. $6920

DWELLING
(486) W SIXTIETH AVE 160 N Foothill Blvd., Oakland. One-story 5-room dwelling.
Owner—Wm. S. Kepple, 2619 62nd Ave., Oakland.
Architect—None.
Day's work. $3200

RECORDED

APARTMENTS
(487) E BROADWAY 100 N 40th E 100 N 49.37 W 100 S 50, Oakland. All work for three-story apartments.
Owner—Jeannette M. Stormer.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor — Thomas Rutherford, 985 35th St., Oakland.
Filed Feb. 4, '22. Dated Feb. 1 '22.
Frameup ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $23,493
Bond, $12,500. Sureties, J. E. MacCormac and Henry Darth. Limit, 100 days. Forfeit, $5. Bonus, $5. Plans & specifications filed.

STORE BLDG.
(488) PTN LOTS 3 AND 4 BLK 3, Barker Tract, Berkeley. Concrete work for one-story reinforced concrete store building.
Owner—B. K. Denbigh, 2311 Shattuck Ave., Berkeley.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—Jepsen Bros., Berkeley.
Filed Feb. 4, '22. Dated Feb. 3, '22.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $3775
Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

(489) CARPENTER AND MILL WORK on above.
Contractor—Conner & Conner, Berkeley Way and Shattuck Ave, Bkly
Filed Feb. 4, 22. Dated Feb 3, '22
Payments same as above.....
TOTAL COST, $2100
Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

(490) PLUMBING & SEWERING ON above.
Contractor—Charles W. Knights, 1919 University Ave., Berkeley.
Filed Feb. 4, '22. Dated Feb 3, '22
Payments same as above.....
TOTAL COST, $500
Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

(491) LATHING AND PLASTERING on above.
Contractor—W. C. Austin.
Filed Feb. 4, '22. Dated Feb. 3, '22.
Payments same as above.....
TOTAL COST, $1120
Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

DWELLING
(493) NO. 1632 KAINS AVE., Berkeley. One-story 5-room dwelling.
Owner—Michail Pizzio, 1908 Steiner St., San Francisco.
Architect—None.
Contractor—S. G. Johnson, 4652 Dolores Ave., Oakland. $3735

DWELLING
(494) E MARIPOSA 400 S Los Angeles, Berkeley. Two-story eight-room dwelling.
Owner—C. E. Carlson, 2919 Benvenue Ave., Berkeley.
Architect—None.
Day's work. $6000

DWELLING
(495) NO. 824 OXFORD ST., Berkeley. Two-story 7-room dwelling.
Owner—F. M. Swasey, Lafayette Apts., Berkeley.
Architect — H. H. Gutterson, 278 Post St., San Francisco.
Contractor — Albert Johnson, 1727 Stuart St., Berkeley. $4500

DWELLING
(496) E PARK 70 N Russell, Berkeley. One-story 5-room dwelling.
Owner—E. J. Breiling, Federal Bldg., Oakland.
Architect—None.
Contractor—P. J. Healy. $3000

DWELLING
(497) N BEST AVE. 360 W Fleming Oakland. One-story 6-room dwelling
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $4300

DWELLING
(498) S BEST AVE 80 E Fleming, Oakland. One-story 5-room dwlg.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(499) SE BEST AND FLEMING AVES. Oakland. One-story 5-room dwlg.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $5750

DWELLING
(500) SW FLEMING AND MADERA Ave., Oakland. One-story six-room dwelling.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None
Day's work. $4450

DWELLINGS
(501) S RAWSON AVE 160 and 210 E Fleming, Oakland. Two one story 5-room dwellings.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland
Architect—None
Day's work $3750 each

DWELLING
(502) E BELGRAVE PLACE 80 N Broadway Terrace, Oakland. One-story 6-room dwelling.
Owner—Lawton & Vezey, Plaza Bldg., Oakland.
Architect—None
Day's work. $4900

DWELLING
(503) W BAY VIEW AVE 250 N E-28th, Oakland. One-story 5-room dwelling.
Owner—A. A. Glantz, 4651 San Sebastian St., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(504) E COLE 75 N Princeton, Oakland One-story 4-room dwelling.
Owner—T. J. McCord, 4741 E-14th St., Oakland.
Architect—None.
Day's work. $2600

DWELLING
(505) NE COLE AND PRINCETON, Oakland. One-story 4-room dwlg. land. One-story 4-room dwelling.
Owner—T. J. McCord, 4741 E-14th St., Oakland.
Architect—None.
Day's work. $2600

DWELLING
(508) E FIFTIETH AVE 430 N Melrose Ave., Oakland. One-story 5-room dwelling.
Owner—C. E. Anderson, 2123 45th Ave., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(509) E GREENWOOD AVE 300 S Brighton, Oakland. One-story five-room dwelling.
Owner—Dora Harrison, 1316 Pearl St., Alameda.
Architect—None.
Contractor—Geo. R. Potter, 19 Randwich Ave., Oakland. $3750

DWELLING
(510) S HOLLY 190 E 98th Ave., Oakland. One-story 4-room dwelling.
Owner—John R. Faulkes, 9828 E-14th St., Oakland.
Architect—None.
Day's work. $2700

STORES
NO. 2426-28-30 SHATTUCK AVE., Berkeley. One-story concrete stores.
Owner—B. K. Denbigh, Shattuck and Durant, Berkeley.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Segregated Contracts. $9000

DWELLING
(513) SE BANCROFT AND SACRAMENTO, Berkeley. One-story 5-room dwelling.
Owner—Louis Soroni, 612 Howard St., San Francisco.
Architect—None.
Contractor—C. P. Pond, 1163 Ashmount Ave., Oakland. $2900

DWELLING
(516) NW MILVIA AND HEARST, Berkeley. One-story 6-room dwlg.
Owner—Victor Dwight.
Architect—None.
Day's work. $3500

DWELLING
(518) N TACOMA AVE 260 E Colusa, Berkeley. One-story 5-room dwlg.
Owner—T. W. Price, 1734 Tacoma Ave., Berkeley.
Architect—None.
Day's work. $3000

DWELLING
(519) E TWENTY-FIFTH AVE. 276 S E-28th, Oakland. One-story 4-room dwelling.
Owner—Frona P. Harms.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—C. M. MacGregor, 470 13th St., Oakland. $2750

DWELLING
(520) W GARDEN 236 S E-28th, Oakland. One-story 6-room dwelling.
Owner—Frona P. Harms.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—C. M. MacGregor, 470 13th St., Oakland. $3500

DWELLING
(521) W GARDEN 196 S E-28th, Oakland. One-story 5-room dwelling.
Owner—Frona P. Harms.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—C. M. MacGregor, 470 13th St., Oakland. $3000

DWELLING
(522) W GARDEN 156 S E-28th, Oakland. One-story 6-room dwelling.
Owner—Frona P. Harms.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—C. M. MacGregor, 470 13th St., Oakland. $3500

DWELLING
(523) E TWENTY-FIFTH AVE. 236 S E-28th, Oakland. One-story 6-room dwelling.
Owner—Frona P. Harms.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—C. M. MacGregor, 470 13th St., Oakland. $3500

DWELLING
(524) N E-THIRTY-FIRST 30 E Stuart, Oakland. One-story 5-room dwelling.
Owner—R. A. Goss, 1228 23rd Ave., Oakland.
Architect—None.
Day's work. $3500

GARAGE
(525) S E-FOURTEENTH 33 E 88th Ave., Oakland. One-story brick and tile garage.
Owner—Roy Wilson, 1459 86th Ave., Oakland.
Architect—None.
Day's work. $7000

DWELLING
(526) E EL CENTRO AVE. 185 W Edgewood, Oakland. One-story 6-room dwelling.
Owner—Thos. F. L. Furlong, 61 Echo Ave., Oakland.
Architect—None.
Day's work. $5000

DWELLINGS
(529) S PLEASANT VALLEY AVE. 200 and 211 E Piedmont Ave., Oakland. Two 1-story 5-room dwellings.
Owner—M. P. Brasch, 3068 Broadway, Oakland.
Architect—None.
Day's work. $4000 each

STORES
(531) S BOND 95 W 60th Ave., Oakland. One-story 2-room stores.
Owner—Theodor Rasmussen.
Architect—None.
Contractor—John Bernhardy, 6257 Harmon Ave., Oakland. $3000

RECORDED

DWELLING
(532) LOT 18 BLK. 27 Amended map Fairmont Park, Albany. One-story 5-room dwelling and garage.
Owner—Mrs. Mary E. Rowland, Berkeley.
Architect—George O'Brien, Bason Bldg. Oakland.
Contractor—Arthur T. Hendricks, 47 Fairview Ave., Piedmont.
Filed Feb. 7, '22. Dated Feb. 6, '22
Frame up to floor level.....$1000
Plastered 1000
Completed and accepted..... 1000
Usual 35 days..... 1000
TOTAL COST, $4,000
Bond, none. Limit, 50 days. Forfeit, $5.00 day. Plans and specifications filed.

DWELLING
(533) W CALIFORNIA 138 N Cedar, Berkeley. One-story 5-room dwlg.
Owner—Moneta Investment Co., 233 Pacific Bldg., San Francisco.
Architect—None.
Contractor—Meracle & Burney, 5165 Miles Ave., Oakland. $3000

FLATS
(534) W GROVE 45 N Woolsey Berkeley. Two-story 12-room flats.
Owner—J. K. Jensen, 3110 Grove St., Berkeley.
Architect—None.
Contractor—Geo. C. Nall, 930 41st St., Oakland. $8500

DWELLING
(535) NO. 1520 JOSEPHINE, Berkeley. One-story 6-room dwelling.
Owner—Mrs. Farran.
Architect—None.
Contractor — J. F. Myer, 846 Allston Way, Berkeley. $4000

DWELLING
(536) END POWERS COURT, Alameda. One-story 6-room dwelling.
Owner—C. C. Howard.
Architect—None.
Day's work. $3000

DWELLING
(537) NO. 1009 PEARL ST., Alameda. One-story 6-room dwelling.
Owner—Geo. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. $4000

DWELLING
(538) NO. 1005 PEARL ST., Alameda. One-story 5-room dwelling.
Owner—Geo. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. $4000

DWELLING
(540) SW E-TWENTY-FIRST AND 11th Ave., Oakland. One-story 5-room dwelling.
Owner—George Campourris.
Architect—None.
Contractor — J. M. Boga, 1471 Pacific Ave., San Leandro. $4000

FACTORY
(541) S E-TWELFTH 100 W 14th Ave., Oakland. One-story factory.
Owner—W. A. Novack, 1355 E-12th St., Oakland.
Architect—None.
Day's work. $4000

FOUNDATION
(542) S FIRST between Castro and Brush, Oakland. Pile and concrete foundation.
Owner—Pacific Gas & Electric Co., 13th and Clay Sts., Oakland.
Architect—None.
Contractor — Tibbetts-Pacific Co., 16 California St., San Francisco. $45,490

APARTMENTS
(544) E MANILA AVE. opp. Cavour, Oakland. Two-story 26-room apartments.
Owner — Harvey B. Franklin, 1534 Franklin St., Oakland.
Architect—None.
Contractor—California Builders Co., 1534 Franklin St., Oakland. $20,000

DWELLING
(547) NE PRINCE AND YORK, Oakland. One-story 5-room dwelling.
Owner—L. H. Lubekeman, 556 Kenmore Ave., Oakland.
Architect—None.
Contractor—Chas. Rogers, 2115 64th Ave., Oakland. $4500

DWELLING
(550) E WHITNEY 100 N 65th, Oakland. One-story 5-room dwelling.
Owner—Leonard Assuma, 1605 Harmon St., Berkeley.
Architect—None.
Day's work. $3000

DWELLING
(551) N WALLA VISTA 225 E Arimo, Oakland. One-story 6-room dwelling.
Owner—Morris & Gnio, 423 Hill Lane Oakland.
Architect—None.
Day's work. $4000

DWELLING
(552) N YGNACIO AVE. 96 W 46th Ave., Oakland. One-story 5-room dwelling.
Owner—Hill & Walters, 1600 High St., Oakland.
Architect—None.
Day's work. $3000

RECORDED

DWELLINGS
(553) (1) W CALIFORNIA 138.53 N Cedar N 40xW 117.7; (2) W California 178.53 N Cedar N 40xW 117.7, Berkeley. All work except painting, finish hardware, light fixtures and shades for two one-story dwellings.
Owner — Moneta Investment Co., 233 Pacific Bldg., San Francisco.
Architect—None.
Contractor—Meracle & Burney, Bkly.
Filed Feb. 8, '22. Dated Feb. 3, '22.
Frames up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $2953 each
Bond, none. Limit, 60 days. Forfeit, $10. Plans and specifications filed.

APARTMENTS
E BROADWAY 100 N 40th St., Oakland. Three-story 29-room apartments.
Owner—H. C. Stormer, 170 Oak Ridge Road, Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—Thos. Rutherford, 985 35th St., Oakland. $23,493

DWELLING
(554) KING AVE AND LINCOLN, Piedmont. Two and one-half-story dwelling and garage.
Owner—Louis Scheeline, 406 14th St., Oakland.
Architect—None.
Contractor—H. P. Nelson, 3469 39th Ave., Oakland. $16,980

DWELLING
(555) GREENBANK AVE. near Grand, Piedmont. Two-story dwelling and garage.
Owner—H. E. Wharton, 702 35th St., Oakland.
Architect—None.
Day's work. $5000

DWELLING
(556) OAKLAND AVE AND SAN Carlos, Piedmont. One and one-half-story frame dwelling and garage.
Owner—A. C. Hibbard, 1127 Oakland Ave., Piedmont.
Architect—None.
Day's work. $3700

DWELLING
(557) SEA VIEW AND LINCOLN Piedmont. Two and one-half-story dwelling and garage.
Owner—Mrs. Annie Moller.
Architect—None.
Contractor—A. Petersen, 3918 Lynwood Ave., Oakland. $3400

DWELLING
(558) SEA VIEW AND LINCOLN Piedmont. Two and one-half-story dwelling.
Owner—Chas. Bain, 24 Montecello Ave., Piedmont.
Architect—None.
Contractor—A. Petersen, 3918 Lynwood Ave., Oakland. $13,000

DWELLING
(559) CROCKER AND LINCOLN AVE., Piedmont. Dwelling.
Owner—H. D. Nichols, 44 Crocker Ave., Piedmont.
Architect—None.
Contractor—A. Petersen, 3918 Lynwood Ave., Oakland. $19,000

DWELLINGS
(560) S CATALINA 149 and 190 W The Alameda, Berkeley. Two one-story 5-room dwellings.
Owner—Berkeley Building Co., Colusa and Solano Aves., Berkeley.
Architect—None.
Day's work. $3000 each

DWELLING
(562) E STATION PLACE 160 S Catalina, Berkeley. One-story 5-room dwelling.
Owner—Berkeley Building Co., Colusa and Solano Aves., Berkeley.
Architect—None.
Day's work. $3000

DWELLING
(563) WARD AND DOHR, Berkeley. One-story 6-room dwelling.
Owner—Wm. L. Pearson, 62 Sheridan St., San Francisco.
Architect—None.
Day's work. $2500

DWELLINGS
(564) W ROSEDALE AVE. 80, 115, 150, 180, 220 and 250 S Santa Rita, Oakland. Six 1-story 4-room dwellings.
Owner—E. M. Marquis, 2827 Russell St., Berkeley.
Architect—None.
Day's work. $2000 each

DWELLING
(565) E FORTY-FIRST AVE. 300 S San Carlos, Oakland. One-story 5-room dwelling.
Owner—E. M. Marquis, 2827 Russell St., Berkeley.
Architect—None.
Day's work. $3000

DWELLING
(566) E WAKEFIELD AVE. 1000 N 23rd Ave., Oakland. One-story 6-room dwelling.
Owner—Jos. Gilman, 2155 E-28th St., Oakland.
Architect—None.
Day's work. $4000

DWELLING
(568) W BROADWAY 600 N College Ave., Oakland. One-story 5-room dwelling.
Owner—W. F. Underhill, 850 53rd St., Oakland.
Architect—None.
Contractor—A. C. Sharpe, 1327 E-28th St., Oakland. $4800

DWELLING
(570) SW MINNA AND PENNIMAN, Oakland. One-story 6-room dwlg.
Owner—E. E. Cosjello, Oakland.
Architect—None.
Contractor—Alex C. Wieben, 3602 Fruitvale Ave., Oakland. $3800

DWELLING
(571) E SIXTY-EIGHTH AVE 85 S Avenal Ave., Oakland. One-story 5-room dwelling.
Owner—A. Johnson, 1630 81st Ave., Oakland.
Architect—None.
Contractor—V. Winther, 1700 36th Ave., Oakland. $2500

DWELLING
(572) SE BLANCH AND EIGHTY-seventh Ave., Oakland. One and one-half-story 6-room dwelling and store.
Owner—R. J. Pavert, 1st National Bk. Bldg., Berkeley.
Architect—None.
Day's work. $5000

ALTERATIONS
(573) S. P. YARDS, Oakland. Alterations.
Owner—Southern Pacific Company.
Architect—None.
Day's work. $10,000

DWELLING
(574) S MANGLES 150 E 35th Ave., Oakland. One-story 4-room dwlg.
Owner—C. H. Graham, 4228 E-16th St., Oakland.
Architect—None.
Day's work. $2500

DWELLING
(575) S EXCELSIOR 40 E Randolph, Oakland. One-story 5-room dwelling.
Owner—Walter Hufschmidt, Federal Bldg., Oakland.
Architect—None.
Contractor—P. J. Healy, 59 Nace Ave., Piedmont. $3500

DWELLING
(576) SE EXCELSIOR AND RANdolph. One-story 5-room dwelling.
Owner—Walter Hufschmidt, Federal Bldg., Oakland.
Architect—None.
Contractor—P. J. Healy, 59 Nace Ave., Piedmont. $3500

STORES
(577) NE GRAND AVE & WEBSTER, Oakland. One-story stores.
Owner—F. Kahn 130 Montgomery St., San Francisco.
Architect—Reed & Corlett, Oakland Bk of Savings Bldg., Oakland.
Contractor—MacDonald & Kahn, 130 Montgomery St., San Francisco. $20,000

REFRIGERATOR PLANT
(578) WEST OAKLAND. Automatic refrigerator plant.
Owner—S. P. Co., Oakland.
Architect—None.
Contractor — Automatic Refrigerator Co., Hearst Bldg., San Francisco.
Filed Feb. 9, '22. Dated Jan. 25, '22
Monthly payments 75%
Usual 35 days.....25%
TOTAL COST, $3,895
Bond, $2,920. Surety, American Surety Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

DWELLING
(579) LOT 26 BLK 3 Northbrae, Berkeley. One-story 8-room dwelling.
Ownesr—George J. and Harriet M. Coughlin.
Architect—Samuel M. Ryder, 1505 29th Ave., Oakland.
Contractor—Louis O. Hansson, 1409 Bonita St., Berkeley.
Filed Feb. 9, '22. Dated Feb. 7, '22
Frame up .....¼
Brown coated .....¼
Completed and accepted.....¼
Usual 35 days.....¼
TOTAL COST, $6,100
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted

Feb. 9, 1922—E CLAY 30 N 9th, N 40 E 75, Oakland Joseph Arena to J Perona .....Jan. 15, 1922
Feb. 9, 1922—2319 WARD, Berkeley. Charles H Wood to whom it may concern.....Feb. 9, 1922

Feb. 9, 1922—N LAKE PARK AVE 70 W Rand Ave 50x102-6, Oakland. A W Kiel to Alfred Peterson.... .....Feb. 8, 1922

Feb. 9, 1922—S JEAN 250 W Grand Ave Oakland. Arthur A Smith to McWethy & Greenleaf...Feb. 6, 1922

Feb. 8, 1922—E MOUNTAIN AVE at SW cor lot 16 plot G Piedmont Park N 131 fm pt begin NE 125 SE 90, Piedmont. George Roeth Jr to whom it may concern..... .....Jan. 31, 1922

Feb. 8, 1922—W HENRY 205 N Cedar 35x135, Berkeley. Edith Sprague by P E Marquis to P E Marquis.....Feb. 6, 1922

Feb. 8, 1922—LOT 25 BLK 13, Northbrae, Berkeley. E N Bertheaud to whom it may concern.Feb. 7, 1922

Feb. 6, 1922—E HARRISON 154 N 14th N 60xE 150, Oakland. Oakland Garage to John Bartlett..... .....Feb. 4, 1922

Feb. 7, 1922—LOT 9 BLK "I" Map Northbrae Terrace, Berkeley. C R and Charlotte E McKee to Thos A Cuthbertson.....Jan. 30, 1922

Feb. 7, 1922—PTN LOTS 1 AND 2 Blk "C" Map Elmwood Park, Berkeley. F E Romie to L R Wilson.. .....Feb. 6, 1922

Feb. 6, 1922—880 WALNUT, Alameda. Maye A and George C Addison to Harry C Knight.....Jan. 18, 1922

Feb. 4, 1922—SE E-EIGHTEENTH and Third Ave E and SW to S. F. O. T. Railway and bordered by said right-of-way, Oakland. J and F M Somps to Mullen & La Vole..... .....Feb. 3, 1922

Feb. 4, 1922—E ALICE 724.10 N 14th N 50xE 133.94, Oakland. L and Rachel Lewkowitz to M F Sommarstrom.....Jan. 21, 1922

Feb. 3, 1922—NO. 5705 TO 5711 College Ave., Oakland. William Shore to O M Bullock...Jan. 31, 1922

Feb. 3, 1922—LOTS 8 TO 24 inclu and Ptn Lots 4, 5, 6, 7, 25, 26, 27, 28, 29, 30, 31 and 32, R J McMullen's Subdivision Blk 576, Oakland. Pacific Coast Shredded Wheat Co to Harry McManus.....Jan. 18, 1922

Feb. 3, 1922—NE ALMOND 230 NW 98th Ave NW 36xNE 146.74, Okd. Robert Hillis to C L Hewitt..... .. ..Jan. 27, 1922

LIENS FILED

ALAMEDA COUNTY

Recorded Amount

Feb. 9, 1922—LOT 1 BLK B Waterside Terrace, Alameda. K Uchida vs M E Whitney.....$149.95

Feb. 8, 1922—LOT 33 BLK 2, Map Thousand Oaks Station Tract, Berkeley. Tilden Lumber Co vs Blanche and Wm H Wehrlie..$690.54

Feb. 3, 1922—W TELEGRAPH AVE 160 N Bancroft Way N 40xW 100, Berkeley. A T Spence vs John Sutton, Candy Land, a corp., H Meldrum, A M Gebelt, John Doe, Richard Doe and Jane Doe...$997.61

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount

Feb. 6, 1922—LOT 3 BLK 0 MAP Melrose Acres, Oakland. John P Maxwell, $136.37; Sunset Lumber Co, $714.32; H L Jones, $95; to W J Scott .....

Feb. 6, 1922—SW ¼ SEC 31 TP 1 S range 4 E ———. Chester F Lyons, $200; Cecil Sharpe, $37.50; John Farrell, $60; Wm. Tschierschky, $86; H C Wilson, $95.25; F W Bartlett, $16.30; Lee Ledford, $190; to Henry Lindemann .....

Feb. 3, 1922—W EIGHTY-SECOND Ave 425 N "D" N 25xW 100, Oakland. Garrett Lumber Co to Manuel Cabral $116.84

Notice of Non-Responsibility

ALAMEDA COUNTY

Feb. 6, 1922—LOTS 12, 13, 18, 19, 20, 21, 22, map showing resubdivisions ptns blks E, T, G, H, I and J, Huntington Tract, Oakland. S P Co as to improvements on property

HOMESTEADS

ALAMEDA COUNTY

Feb. 8, 1922—SW SANTA CLARA AV and Grand W 150xS 40, Alameda. Dora L Berquest (wf N J).....$4900

Feb. 6, 1922—SW E-TWENTY-FIRST 75 NW 17th Ave NW 38xSW 140, Oakland. Erwin C and Leona G Easton $5000

Feb. 6, 1922—LOT 12 AND PTN LOT 11, Map Claremont Manor, Oakland. Cora Looney Lindsay (wf Harvey B).....$5000

Feb. 6, 1922—S 16.67 LOT 7 BLK J and N 16.67 lot 8 blk 1254 map No 2 blk J Vernon Park, Oakland. Albert R Wight.....$3000

Feb. 6, 1922—E 40 LOT 9 BLK R map Central Piedmont Tract No 4, Piedmont. Ada L Rodger.....$4900

Feb. 3, 1922—S SANTA CLARA AVE 36 W St. Charles W 36 — 2 S 113-7 E 36 N 113, Alameda. E M Reid $4000

RECISSION OF BUILDING CONTRACT

ALAMEDA COUNTY

Feb. 6, 1922—Owner, Thomas and Rose Marcefsky with J. A Marcefsky, Contractor. Filed Feb. 1, 1922. Dated Jan. 31, 1921.

BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 and Over Reported

DWELLING
NO. 1401 FORTY-SECOND ST., Sacramento. One and one-half-story 6-room dwelling.
Owner—R. McKim.
Architect—None.
Contractor—W. V. Whitsell, Fair Oaks $5000

DWELLING
NO. 2100 FIFTY-SEVENTH ST., Sacramento. One-story 4-room dwlg.
Owner—Frank Defazio.
Architect—None.
Contractor — Gus Snyder, Anderson Ave., Sacramento. $2500
BCRelAND31WU...

FIRE PROTECTION SYSTEM
RAILROAD GROUNDS in Sacramento. Installation of mains for fire protection system.
Owner—Southern Pacific Company.
Architect—None.

PIERCE-BOSQUIT
Abstract & Title Co.
Capital Stock $100,000
Sacramento, Placerville, Nevada City, Reno
SACRAMENTO OFFICE
ROSS E. PIERCE, Manager
905 SIXTH STREET

Contractor—Schultz Construction Co., 46 Kearny St., San Francisco. $9,600
Filed Feb. 1, '22. Dated Jan. 14, '22

DWELLING
NO. 1118 THIRTY-SEVENTH ST., Sacramento. Two-story 5-room dwlg
Owner—H. A. Hendren, Fair Oaks, Cal.
Architect—None.
Day's work. $5000

OFFICE BLDG.
L ST., bet. Tenth and Eleventh Sts., Sacramento. Two-story store and office building.
Owner—Archiball M. Mull.
Architect—Woollett & Lamb, Hagelstein Bldg., Sacramento.
Contractor—Herndon & Finnigan, 1811 17th St., Sacramento.
Filed Feb. 3, '22. Dated Feb. 2, '22. $129,280.50

BUILDING CONTRACTS

FRESNO COUNTY

$5,000 and Over Reported

STATIONS
COURT HOUSE PARK, Fresno. Two comfort stations.
Owner—Fresno County.
Architect—None.
Contractor—Martin Constr. Co., Fresno $23,373 each

APARTMENTS
NO. 135 FORTHCAMP AVE., Fresno. Apartment house.
Owner—W. E. Patterson, 131 Forthcamp Ave., Fresno.
Architect—C. M. Gulley, 444 J St., Fresno.
Day's work. $7000

DWELLING
NO. 209 NORTH ANGUS ST., Fresno. Dwelling.
Owner—C. L. Saylor, 3734 Illinois St., Fresno.
Architect—None.
Day's work. $5000

DWELLINGS
NO. 904-910 SOUTH FIFTH ST., Fresno. Two frame dwellings.
Owner — Fresno Home Builders, 1231 Broadway, Fresno.
Architect—None.
Day's work. $3000 each

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Recorded Accepted

Feb. 7, 1922—LOTS 54 AND 55 BLK 5 Van Ness Heights, Fresno. Irwin E Haines to whom it may concern .....Feb. 6, 1922

Feb. 7, 1922—LOTS 7 AND 8 BLK 1, Roeding Addition, Fresno. Clara I Harcourt to whom it may concern .....Feb. 1, 1922

Feb. 6, 1922—W 50 FT. LOT 3 BLK 3, Hazelwood, Fresno. Samuel Franklin to whom it may concern..... .....Feb. 6, 1922

Feb. 2, 1922—NO. 627 McKINLEY AV. Fresno. Sidney Zobel to whom it may concern.....Jan. 28, 1922

Feb. 2, 1922—PART SW ¼ OF SEC 3, 13-18, Fresno. Clovis B Hylton et ux to whom it may concern..... .....Jan. 21, 1921

Feb. 1, 1922—NW WISHON & UNIversity Ave, Fresno. Chas Dubbs to whom it may concern..... .....Jan. 26, 1922

Feb. 1, 1922—NO. 334 N-BROADway, Fresno. De Vaux Motor Co to whom it may concern...Jan. 31, 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount

Feb. 4, 1922—LOTS 8, 9, 10 La Salle Tract, Fresno. H S Stange vs Tom Pinner and Teresa Ferrezzeno..$352

Feb. 3, 1922—LOTS 8, 9, and 10 La Salle Tract, Fresno. Pat Fox vs Tom Pinner and Teresa Ferrezzeno $457

Feb. 2, 1922—LOTS 5 AND 6 BLK 368, Fresno. J D Shorb and J F Neads vs E Allen White $610

Feb. 1, 1922—SE 22¼ FT. OF LOT 13 all Lots 14, 15, 16 Blk 63, Fresno. W F Bogart vs G & G Tire Co et al $100

Feb. 1, 1922—LOTS 17 AND 18 BLK 55, East Fresno Kyle & Co. Inc vs E W Morris $45

Notice of Non-Responsibility

FRESNO COUNTY

Feb. 7, 1922—LOTS 16 TO 19 BLK B, Sronce Addition, Fresno. H O and Bessie D Buker as to improvements on property.....

Feb. 7, 1922—LOT 1 BLK 6, Cedar Park, Fresno. Susie E Biser as to improvements on property.....

Feb. 2, 1922—LOT 1, Hays Addition, Fresno. Geo A Faris as to improvement on property.....

Feb. 1, 1922—ON RAILROAD PPTY. leased by Guy F Atkinson, Bates & Borland and Federal Constr Co, Fresno. S P Company as to improvements on property.....

BUILDING CONTRACTS

SANTA CLARA COUNTY.

$1,000 and Over Reported

SHOP
S MONTGOMERY, San Jose. Shop.
Owner—A. C. Kearny.
Architect—None.
Contractor—L. Joiner. $1895

COTTAGE
SHORTRIDGE AND THIRTY-THIRD, San Jose. 5-room cottage.
Owner—C. A. Reese, 93 N 33rd St., San Jose.
Plans by owner.
Day's work. $——

FILLING STATION
SAN CARLOS AND DELMAS, San Jose. Filling station.
Owner—Shell Oil Co., Stockton and Hedding Sts., San Jose.
Plans by owner.
Day's work. $1400

DWELLING
NO. 479 S FOURTH, San Jose. Two-story 8-room dwelling.
Owner—L. S. Davis.
Plans by owner.
Day's work. $1500

BUNGALOW
LOT 11, Murphy-Columbet Sbdvn. No. 3, near Morgan Hill. All work for one-story frame bungalow and four compartment septic tank
Owner—Will M. Tipton
Architect—None
Contractor—Wm Ducoty
Filed Feb. 6, '22 Dated Feb 4, '22
Roof on and outside walls enclosed $500
Plastering done and ready for inside finish 500
Completed & septic tank finished 500
Usual 35 days..... 750
TOTAL COST, $2250
Bond $500. Surety, R. T Linton. Limit, 60 working days from Feb. 8, 1922. Forfeit $8 a day. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

Recorded Accepted

Feb. 8, 1922—SAN JOSE. Alice Bassler to F J Huxtable....Feb. 4, 1922

Feb. 7, 1922—SAN JOSE. F C Monnot to whom it may concern.Feb. 7, 1922

Feb. 7, 1922—SAN JOSE. George E Powell to Z O Field.....Jan. 30, 1922

Feb. 6, 1922—LOT 18 BLK 5, Hanchett Residence Park, San Jose. J L Farnum to J Earl McCombs..... .....Feb. 2, 1922

Feb. 6, 1922—CITY OF PALO ALTO. H P Ingram to M C Ingram..... .....Feb. 4, 1922

Feb. 6, 1922—SANTA CLARA. Carmelite Monastery of San Francisco to George D Hewston...Feb. 4, 1922

Feb. 6, 1922—SAN JOSE. Joseph Traina to E G Finlay..Jan. 16, 1922

RELEASE OF LIENS

SANTA CLARA COUNTY.

Recorded Amount

Feb. 6, 1922—NO. 676 N-SAN PEDRO St., San Jose. W F Stevenson to O M and Nan L Skaggs.....$125

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

$2,500 and Over Reported

RESIDENCE
SOUTH CALIFORNIA ST., Stockton. Residence.
Owner—C. Russell, 874 Fair Oaks Ave., Stockton.
Architect—None.
Day's work. $2900

RESIDENCE
NORTH LEXINTON, Stockton. Residence and garage.
Owner—Charles Jory, 847 E Hazelton St., Stockton.
Architect—None.
Day's work. $4450

RESIDENCE
VERNAL WAY, Stockton. Residence and garage.
Owner—W. H. Cole, Stockton.
Architect—None.
Day's work. $4250

STORE AND HOTEL
LAFAYETTE ST., Stockton. Three-story Class C store and hotel building (48 rooms and 3 stores).
Owner—V. & G. Pluma.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.
Contractor—Domingo Bregante, 1602 S-Stanislaus St., Stockton. $38,200
Filed Feb. 2, '22. Dated Feb. 1, '22.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted

Feb. 4, 1922—LOT 6 BLK 6, Hutchins Oak Street Addition to Lodi. J L Michelsen to whom it may concern .....Jan. 28, 1922

Feb. 3, 1922—LOT 6 BLK 8 City Park Terrace, Stockton. M. K. Kelly to whom it may concern...Feb. 1, 1922

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San Francisco

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted

Feb. 4, 1922—LOT 35 BLK 47, Drake St. near Adeline Drive, Burlingame Frank Louis to Alfred Dahl..... .....Jan. 19, 1922

Feb. 2, 1922—LOT 11 BLK 36, Second Addition to Burlingame. Millard L and Agnes M Page to W O Nicolaides.....Jan. 30, 1922

BUILDING IN SAN FRANCISCO

(Continued from Page 6)

are among the corporations active in making realty improvements.

The West Coast Life Insurance Company has acquired the Santa Fe building on Lower Market street and is adding two stories to it before moving into it for permanent quarters. The company will occupy the two upper floors and have a roof garden for its employees.

A seventeen-story addition is planned by the Western States Life Insurance Company to its present building at Market and Sixth streets, the new building to be on the Sixth street side. The building now occupied by the company was formerly known as the Hewes building and is one of the landmarks of upper Market street.

The California Pacific Title Insurance Company completed a new five-story building on Bush street, near Montgomery, during the year. This building runs in an L and has an entrance also on Montgomery street. Next to it on the southeast corner of Bush and Montgomery streets is a new concrete building, the ground floor of which will be occupied by E. F. Hutton & Company, brokers, and the upper floors by offices.

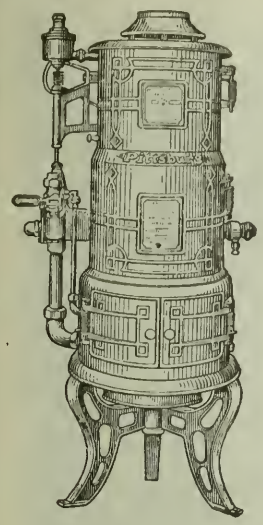
Six stories were added to the Liverpool & London & Globe Insurance Company building, at Leisdesdorff and California streets, during the year, and the structure is now one of the commanding office edifices in the busy block in which the Insurance Exchange, the Merchants' Exchange, the Fireman's Fund, the Bank of California, the Kohl building, the American National Bank and other handsome facades dominate attention.

A new four-story office building is being erected on Montgomery street next to the California Pacific Title Insurance Company's entrance. Next to that, to the south, is a new two-story building occupied by the Club Grill and MacDonald & Kahn, construction superintendents.

This block on Montgomery street, between Sutter and Bush, has seen much new building the past year. On the west side of the street, south of the Alexander building, are two other new structures—the four story Stell building and the new two-story building erected for Strassburger & Company, brokers.

The steel frame is virtually completed for the new San Francisco Federal Reserve Bank building in the block bounded by Sansome, Sacramento, Battery and Commercial streets. The original plans have been altered, and the building will be seven stories high, costing in excess of $2,000,000, it is estimated, although no official figures have been given out.

The Research Department of the Chamber of Commerce has made a check which shows that approximately 3,000 additional office rooms will be provided in fifteen new office buildings now in course of construction in San Francisco. With new construction to be undertaken this year, this figure will be greatly exceeded.



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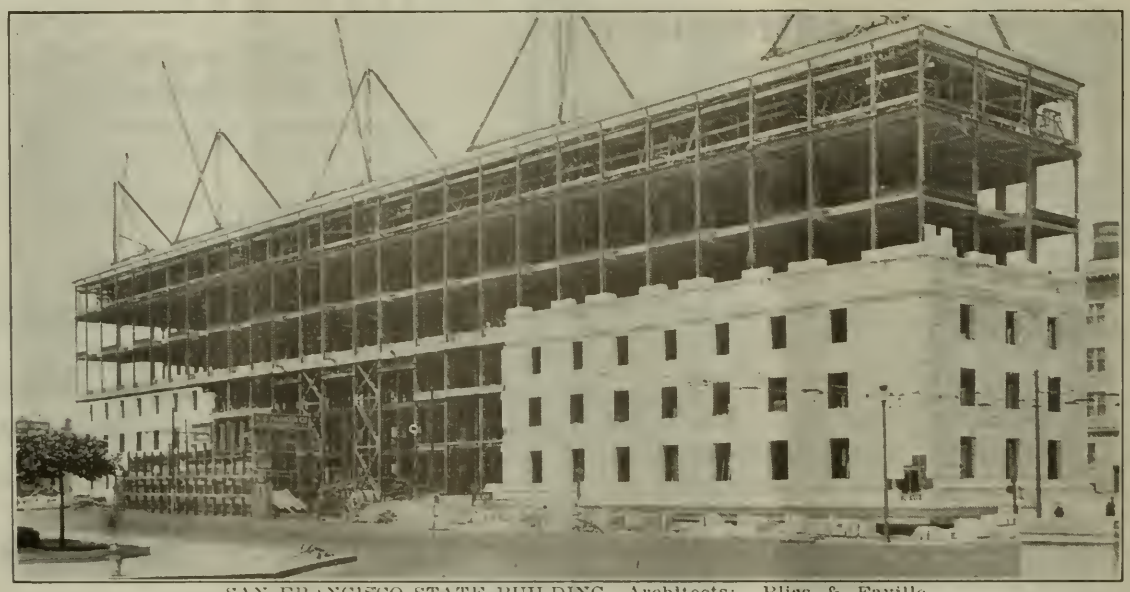

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SAN FRANCISCO, CALIF., FEBRUARY 18, 1922

Published Every Saturday
Twenty-second Year No. 7

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday — SAN FRANCISCO, CALIF., FEBRUARY 18, 1922 — Twenty-second Year No. 7

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PALO ALTO SAVES $27,613 ON STREET PAVING IN 1921

A saving of $27,613.83 in the city's street paving work done in 1921 is shown in the statistical report on the paving work made by City Engineer J. F. Byxbee, Jr., of Palo Alto, submitted to the Board of Public Works. This saving is computed by comparing the cost of the work as done under municipal direction with the estimates for private contract. The pavement laid is also thicker than that on which the contractors' bids were submitted, and the work was done within the engineer's estimates.

The type of pavement laid was hydraulic cement concrete unreinforced 4 inches thick with a topping of heavy road oil and screenings. The cost for the work as determined by the board was as follows:

Paving (including oil topping), 16.2 cents per square foot.

Grading, 2 cents per square foot.

Concrete curbing, 65 cents per linear foot.

In preparing to undertake the paving program, the city invested $18,691.31 for machinery and construction of the paving plant, which will be available also for future paving work.

The report shows an estimated profit of $5,233.52 to the city from the paving work, which will be largely used in putting the bituminous carpet onto the pavements.

The number of square feet of concrete pavement laid was 379,266, or 4,700 cubic yards.

The thickness of the pavements is said by the engineer to average probably 4½ inches.

The total cost of concrete delivered at the job is figured to be $8.15 per cubic yard.

PLUMBERS ORGANIZATION IS PERFECTED AT SALINAS

The Coast Counties Branch of California State Master Plumbers' Ass'n. was organized at a recent meeting in Salinas, and the following officers elected: Edward Simpson, Pacific Grove, President; J. N. Anderson, Salinas, vice-president; P. A. Whitney, Santa Cruz, secretary; A. P. Beck, Watsonville, treasurer.

The purposes of the newly organized branch are in line with those of the state association, namely, to put the plumbing business on a semi-professional basis and to promote health and sanitation in connection with the business. Another meeting will be held in Salinas, February 25th.

The organization meeting was distinctly of an educational character, the principal speaker being Colonel W. G. Archer of Washington, D. C., lecturer of the state extension bureau of the National Master Plumbers' Association. Colonel Archer discussed modern plumbing methods in relation to sanitation.

Among those who attended the meeting were Frank J. Klimm, health commissioner of San Francisco; Harry G. Newman of Oakland, member of the executive committee of the State Master Plumbers' Association; J. H. Blake, president of the Master Plumbers' Association of Oakland; W. F. Goss, president of the Master Plumbers' Association of San Francisco; Alexander Coleman and Albert J. Wilson, past presidents of the State Master Plumbers' Association; D. W. Durvans of Oakland, member of the conference committee of the state association.

Others in attendance were: A. C. Meltzen of Gilroy; George Fitzsimmons and W. A. Smith of Pacific Grove; P. A. Igant, Paso Robles; B. H. Izani, Santa Cruz; William E. Yost, Atascadero; Irving Kelly, King City; George H. Wilson, Santa Cruz; C. D. Booker, Soledad; Charles M. Ryan, Pacific Grove; Thomas Cope, Pacific Grove; B. E. Underwood, Salinas; Frank Kertell, Morgan Hill; H. A. Brostrom, Santa Cruz; P. A. Whitney, Santa Cruz; W. W. Becker, Santa Cruz; O. E. Newhall, Santa Cruz; C. L. Maze, Paso Robles; J. N. Anderson, Salinas; A. P. Beck, Watsonville; J. F. Sturdevant, San Francisco; Ed. Simpson, Pacific Grove; Paul G. de Mange, Gilroy; E. H. Braden, Gilroy; J. D. Friermuth, Watsonville.

1921 FIRE LOSS IN U. S. WOULD BUILD 334,000 HOMES

Three hundred and thirty-four thousand dwellings at $5,000 each, sufficient to house 1,700,000 persons, could be built with the money lost in fires in the United States from 1915 to 1920, according to figures given out by the National Board of Fire Underwriters.

The board places the national fire loss during the five-year period at $1,672,722,677, based on an examination of over 3,000,000 reports of fires.

Matches and smoking hazards are held responsible for $90,000,000 of losses, according to the report. Next comes electricity, which caused fires costing $86,000,000. Stoves, furnaces, boilers and pipes caused a loss of $63,000,000; defective chimneys and flues, $61,000,000 and "exposure," which means communicated fires, $223,000,000.

As a basis of comparison, the underwriters figure that the five-year fire losses of the nation would build $5000 homes for the entire population of Nevada, Wyoming and Connecticut. They would erect 16,722 school houses at $100,000 each; or would purchase 16,722 grams of radium, the costliest of earth's products.

Sixty-seven per cent, $856,000,000, of the total loss was classed as strictly or partly preventable.

New York suffered most heavily with a loss of $164,000,000; Pennsylvania came second with $97,000,000; Illinois third with $80,000,000. Follow New Jersey with $70,000,000; Ohio with $63,000,000; Texas, $59,000,000; Massachusetts, $58,000,000, and California, $54,000,000.

CRANER, DAM BUILDER, LOSES SUIT FOR $783,000

Litigation between the Snow Mountain Light & Power Company and William A. Craner, dam builder, which has been pending in Judge Shortall's court (San Francisco) for many weeks has been decided in favor of the power company.

Evidence taken during the eight weeks' trial of the case showed that Craner had contracted to build a dam across the South Eel river above Ukiah for $1,122,350 under certain specifications. When the dam had been extended about three-fourths of the way across the stream, it was found that a change in plans was necessary because the original footing was found insecure.

At this juncture, the evidence shows, Craner refused to proceed except under the original specifications, unless paid for all of the work on a basis of cost plus 12½ per cent. The company rejected his proposal and had the work finished by Stone and Webster, other contractors.

The company sought to compel Craner to leave his equipment at the dam site and succeeded after obtaining injunctions preventing its removal. Craner sought to obtain $783,000 for breach of the contract.

NATIONAL RIVERS AND HARBORS CONGRESS

The Seventeenth Convention of the National Rivers and Harbors Congress will be held in Washington D. C., on March 1 and 2. Among those have accepted invitations to address the convention are Secretary of the Navy Denby, Secretary of Commerce Hoover and Maj. General Lansing H. Beach Chief of Engineers, U. S. Army.

Besides the prepared addresses, a number of live topics will be presented for general discussion, such as the Muscle Shoals Lease, Panama Canal Tolls, and the Government Barge Lines on the Mississippi and Warrior Rivers which, it is claimed in some quarters create unfair competition with private transportation lines and unjust discrimination against ports and sections of the country other than those directly served. Perhaps the live of all the topics that will be discussed is the proposed St. Lawrence River Ship Channel which is strongly supported in one part of the country and quite as strongly opposed in another.

The Observer

The California Finance and Housing Company, recently organized with offices in Los Angeles, has opened branch offices in the Commercial Savings & Bank Building, Stockton, under the management of L. S. Fraser, former insurance man. The purpose of the company of which E. C. Bellows, formerly commissioner of corporations of the State of California, is president, is to loan money to contract holders at 8 per cent per annum for the purpose of building homes, paying off mortgages, "buying farms and going into business. The contract entered into with the individual is, as far as known, the only one of its kind now operating.

How many people who pay rent realize that a few dollars added to those handed the landlord each month will purchase a modern home? A home that is your own built according to your wishes. In your own home you have no fear of the "Vacate in Thirty Days" notice that might come with the next rent bill. In your own home you have no fear of further increase in rent. If you are numbered among the millons who pay rent, investigate and learn on what excellent terms you may purchase a modern home— a reasonable amount on acceptance and moderate monthly installments.

Business has just turned the corner. Architects are optimistic—Contractors declare a busy season lies just ahead—Materialmen says "its coming" and everyone in general wears the smile that won't come off. The good ship "Building Activity" after being tossed and battered in rough waters is now sailing as in an artificial lake—bound for the port of Big Business. Reports from practically every section of the State indicate that 1922 will be a big year for the building interests.

A novel practice indicating how economies are practiced by a large railroad is pointed out by the fact that in the general shops of the Southern Pacific Company at Los Angeles and Sacramento, old boiler tubes are reclaimed and utilized in the construction of freight car ladders. To convert the tubes into the desired shape they are heated and pneumatically pressed. Railroad officials estimate that a large saving in new material is effected through this practice.

Although the preliminary export figures for 1921 show a decline in the exports of logs, timber and lumber compared with figures covering previous years, the outlook for the future is good, in view of the marked increase in exports during the month of December, which proved to be the banner month of 1921. During that month the export of certain species of lumber even came up to pre-war records.

Building and loan securities are "making Southern California, according to F. W. Blanchard, financier in an address before the Woodland Ad Club. The speaker declared that $20,000,000 is in circulation in the southern city for building new homes as compared to $2,000,000 in San Francisco. The building and loan associations of the south are responsible for the great boom, Blanchard says.

Reduced passenger rates of one and one half fares for the round trip from all points on Southern Pacific lines in Arizona, California, Nevada and Utah, to Salt Lake City, for delegates who attend the Western Retail Lumbermen's Association convention to be held in that city February 16th to 18th, have been announced by Chas. S. Fee, Passenger Traffic Manager. Tickets will be placed on sale from February 13th to 18th with privilege of return February 16th to 22nd.

The Vallejo Builders' Exchange will not meet with the Vallejo Building Trades Association in an effort to reach a reconcilation in the present labor controversy according to a statement of the exchange. The builders claim their announcement that all work undertaken by them would henceforth be done on the American plant of labor is a fair statement of their intentions and that a meeting with labor representatives is not necessary.

Advertising signs of all kinds are prohibited on State highways in California, according to ruling of the Highway Commission, and when found thereon are immediately removed by maintenance forces. While this policy keeps the right-of-way of the State highway free from obstructions, it does not prevent construction of billboards on private property adjacent to State highways.

Contracting Plasterers' Association of Los Angeles, elects following officers: President, George Pedgrift, vice-president; G. Kewerman, secretary; J. W. Dixon; treasurer; J. N. Ritchie; trustees, Edwin Pedgrift, A. Russel and Fred Young; teller, I. J. Shoemaker; law and legislative committee, J. P. Sexton, J. L. Shoemaker, E. C. Harding and Gust Johnson.

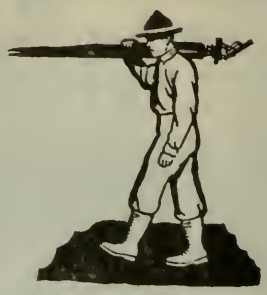
A rate of 96½ cents a hundred pounds, effective February 28th, on marble, onyx and granite, sawed, dressed, rough or hammered, from California producing points to El Paso, Texas, and Deming, N. M., a reduction from the present rate of $1.17½, has been announced from the Los Angeles offices of the Atchinson, Topeka and Santa Fe railway.

Machinery is being installed in the asbestos mines 35 miles northwest of Coalinga. Norris K. Davis, prime mover in the project, declares the plant will represent an expenditure of $50,000, when completed. It is expected that operations will be started in two weeks.

An order of 200,000 pole feet of fir piling for use in bridges and other construction work has been placed with Elmer Russell, Oregon contractor, according to an announcement by the Southern Pacific Company. The piles will range in diameter from 14 to 20 inches and in length from 25 to 75 feet.

The $185,000 bond issue of the Manteca Union High School District was sold by the San Joaquin County Supervisors for a premium of $12,413. Five bids were received for the bonds which bear 5½ per cent interest. Proceeds of the sale will finance construction of a school building.

ALONG THE LINE



The General Electric Company has purchased twenty-four acres of land in Oakland on which it will build a $1,000,000 manufacturing plant and office building. This plant will be operated in addition to the West Oakland mazda lamp factory of the General Electric Company.

The Washington State Contractors' Association, Seattle, is preparing to hold the annual convention of the organization in that city the latter part of this month. R. W. Jacobson is chairman of the Convention Committee.

E. D. Swift, pioneer San Francisco lumber merchant and owner of Swift & Co., has established a yard opposite Melrose station, Oakland, to supply lumber and mill work to customers in that section.

Burton Gartin, son of James Gartin, formerly manager of the Ceres branch of the Modesto Lumber Company, has been appointed to the position, succeeding J. M. Clarke, deceased.

The Colusa County Supervisors have set March 28 as the date to decide the question of issuing bonds of $795,000 to finance construction of a good roads system.

Solano County Supervisors will consider bids for constructing concrete bituminous 5-mile stretch of highway on March 6th. The road will cost in the neighborhood of $125,000.

The State Highway Commission has appropriated $150,000 for the construction of the 11-mile link of the Willows-Oroville State highway lateral between Willows and Glenn.

"Pave one hundred blocks of streets before 1923," is the slogan of the Visalia, Tulare County, Chamber of Commerce.

The Andrews Electric Co., formerly located at 9319 East 14th St., Oakland, has moved to new and larger quarters at 9234 East Fourteenth street.

The Adams Lumber Co., will make extensive improvements to its plant at Los Gatos. New machinery will be installed.

Francis Wiest, president of the Wiest Logging Co. of Portland, died in that city February 2nd, following an accident on a logging train

Christian Ganahl, president of the Ganahl Lumber Company of Los Angeles, died in that city February 8.

Major Oscar A. Piper has been appointed superintendent of streets of Seattle. He succeeds Chas. R. Case.

Clifton H. Wildman has been appointed City Engineer of Placerville.

EFFECT OF MOISTURE CONTENT UPON EXPANSION AND CONTRACTION OF CONCRETE

While the properties of concrete have been investigated for many years, attention has largely been given to considerations of strength alone. Aside from the action of direct load, deformations are produced in concrete by changes in temperature and in moisture content. With reference to temperature changes in reinforced concrete, it is well known that concrete has practically the same coefficient of expansion as steel, so that the two materials contract or expand together. Moisture content, on the other hand, has the undesirable property of affecting concrete alone. Concrete, like wood, clay, and some other materials, expands when it absorbs moisture, and contracts when it is dried. Steel has no such action.

Bulletin No. 126 of the Engineering Experiment Station of the University of Illinois, entitled "A Study of the Effect of Moisture Content upon the Expansion and Contraction of Plain and Reinforced Concrete," contains some of the results of experiments made by Torata Matsumoto, a graduate student in Theoretical and Applied Mechanics at the University of Illinois, in 1918. Owing to his years of experience as an engineer on harbor works on the Island of Formosa, he was particularly interested in the question of the durability of concrete exposed to sea air and to the conditions found in a tropical climate. It is felt, however, that the results obtained apply to our ordinary conditions and may have many practical applications.

Copies of this Bulletin No. 126 may be had without charge by addressing the Engineering Experiment Station, Urbana, Illinois.

MARBLE QUARRY AT CARRARA TO BE WORKED

According to word from Tonopah, Nevada, work is proceeding at the marble quarries of Carrara with a force of thirty men and by March 1st the management expects to have the property operating with a full crew. Arrangements have been made to ship 10,000 cubic feet of marble, valued at $50,000, per month to Los Angeles and other Coast cities.

The company will restrict production to its green and black-and-white marble, for which a strong demand prevails. Approximately $1,100,002 has been expended in developing the deposits and installation of equipment. The deposits are said to contain the largest tonnage of high grade marble in America.

LUMBER TRAFFIC THROUGH THE PANAMA CANAL SHOWS BIG GAIN

An increase of 118 per cent in lumber traffic through the Panama Canal from the Pacific to the Atlantic coast of North America and Europe in 1921 is cited in the Panama canal record as the most conspicuous feature of the canal's traffic history for the year. The stimulation was largely attributed to increased rail rates on lumber.

Of the total of 448,087 tons to which this traffic increased from 205,172 tons in 1920, the record showed 387,993 tons came from the United States and 57,429 from Western Canada, with small shipments from Central and South American and the Far East making up the balance. The east coast of the United States received of this total 346,249 tons, the British Isles 60,048 tons and the rest of Europe 11,800 tons. The foreign shipments were said to have declined sharply during the last six months of the year.

Lumbermen in Combine is Charge of Federal Trade Commission

Lumber manufacturers of Idaho, western Montana and eastern Oregon "have organized and conducted the Western Pine Manufacturers' Association for the primary purpose of agreeing on prices of their lumber," the Federal Trade Commission declares in submitting to Congress the fourth of a series of reports dealing with the lumber industry..

The activities of the association in advancing prices by concerted action was contemporaneous with the steadily rising price level between 1915 and 1920, the report asserted, adding that in periods of depression, members of the association acted in concert to regulate production so as to maintain prices.

Told in Records

The association has a separate organization in Montana which fixes prices within that State, the Commission also charged, and "there has been active co-operation between the Western Pine Manufacturers' Association and the West Coast Lumbermen's Association with the purpose and effect of harmonious action on prices and production.

The conclusions submitted in the report were declared to be based on documentary evidence "secured from the files of the company and its more prominent members."

"It should be understood," the commission said, "that this rather detailed presentation is far from exhausting the documentary evidence in the commission's possession."

Other "ultimate conclusions of fact" contained in the summary of the report published by the commission include:

Notwithstanding price reductions from the peak of the runaway market of 1919-1920, ranging as high as 88 per cent on the lower grades, most of the present prevailing quotations are far in advance of war-time levels and none touch pre-war levels.

Runaway Prices

The price advances made by prominent members of the Western Pine Manufacturers Association during the runaway market of 1919 were characterized by the more conservative members and manufacturers as "radical," "incredible," and "tremendous." * * * When prices had reached their peak in February, 1920, and demand was wavering, an advertising campaign was proposed to stimulate it.

In periods of depression the association members have resorted to concerted regulation of production for the purpose of maintaining the prices arrived at through concerted action, and as a basis for recurring cycles of increased prices when demand springs up again. In the fall of 1921 prices were again advanced on the basis of depleted stocks brought about by a reduction of over 50 per cent below normal in the 1921 output. Notwithstanding a nation-wide housing shortage, members estimate that their production for 1922 will not be over 50 to 60 per cent of their 1921 production, and their is trade talk of another runaway market.

Charges that the Western Pine Manufacturers' Association was organized among lumber manufacturers to secure agreement on prices were denied as false in Spokane, Wash., by W. S. Rosenberry, director of the Association for the Spokane district. He declared there was "nothing to" the Federal Trade Commission's statements.

CALIFORNIA'S FIRE BILL

A million dollar loss to timber range and grain was California's tribute to the fire demon during the past season, according to the annual fire report issued by the United States Forest Service and the California State Board of Forestry.

The report states that 2,245 fires were handled by the Federal Government and State organization. Information secured by these bureaus shows that in addition 293 grain fires burned within the State. The alarming and disconcerting fact that ninety per cent of these fires result through carelessness and negligence of man, the officials of these bureaus state, deserves the serious attention of all Californians, particularly when the statistics indicate that 745 of these fires are directly chargeable to campers and smokers. As travel along the highways and in our mountains increases the public must exercise greater care with fire if our resources are not to suffer irreparable loss.

The report shows that the losses were made up of the following: Timber $67,851, range $367,243, improvements $189,738, and hay and grain $370,506. The fire bill is further augmented by an item of $175,000 spent for fighting these fires. Six-hundred State and Federal officers are engaged in the difficult task of controlling the fires in California's forest and on the watersheds.

BUILD NOW—It's like putting money in the bank.

WE USE 4 TIMES AS MUCH WOOD AS GROWS

Timber in the U. S. is being consumed four times as rapidly as it is being grown, W. B. Greeley, chief of the forest service, told the house agricultural committee, in urging federal legislation designed to conserve the country's forests.

The U. S., according to the chief forester, faces the definite prospect of a growing scarcity and increased cost of everything made of wood. Mr. Greeley emphasized that 61 per cent of the timber left in the U. S. is west of the Rocky mountains, at some distance he said, from markets and the bulk of the country's population.

BIG TIN PLATE ORDER

One of the largest orders for tinplate that has been placed in a long time has just been awarded by the Standard Oil of New Jersey. The concern has ordered 750,000 boxes for its Bayonne, N. J., plant. The order has been divided among various plants throughout the country. One half of the order went to the United States Steel Corporation. No price is given out on the contract, but the quotation is around $4.75 a box, so that the contract will involve $3,562,500. The Texas Company has placed an order for 30,000 boxes for use at its Port Arthur, Texas, plant.

IF you must use a hammer—build a house.

The Building Industry As It Should Be Conducted

(By George E. Rodman, Attorney at Law, Oakland)
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When we consider the manner in which the building industry is conducted, and when we scrutinize it closely under the magnifying glass of business methods, we are positively astonished.

To begin with, we first see the man who desires to build a home with a clear lot and perhaps a little cash. Picture number two shows this prospective builder negotiating a building loan and giving a deed of trust to the man who makes the loan, but who retains both the money and the deed of trust in his possession.

Then we see the owner letting a contract to, we will say, the lowest bidder, who may be a bona fide contractor, capable of financing the job himself, and able to pay all bills and sub-contractors with whom he has contracted, regardless of whether or not he will make a profit on his contract; but, frequently on the other hand, he is nothing more than a saw and hammer carpenter who would not buy and pay cash for a thousand feet of lumber, but who has figured the job $100 less than the other fellow; and the owner naturally thinks that he is saving $100.

Then we see this so-called contractor buying lumber and letting subcontracts. The job proceeds, the frame is up and the so-called contractor receives a payment from Mr. Loan man and pays off some of his bills; the roof is on, another payment is received from Mr. Loan Man and some more of the bills paid off.

As the job progresses other payments are received from Mr. Loan Man until the job has been completed, when, lo and behold, it is discovered that the fund has been exhausted without any notice to the sub-contractors or material men and without any possible means of knowing that the fund was exhausted, because the contractor wants his job finished and the loan man wants his completed security because his deed of trust takes priority over labor and material men. The labor and material men, therefore, not knowing the funds were exhausted, proceeded to finish their part of the job.

The contractor, whether legitimate and responsible or a saw and hammer carpenter and irresponsible, dispensed the funds during the course of construction, in his imagination saw a profit, and from time to time spent some of his anticipated profit, with the result that he is not able to pay off in full his material men and sub-contractors, and the material men and sub-contractors are compelled to accept the prorate settlement or file liens. They are out of pocket any way you figure it.

GEORGE E. RODMAN

Attorney and Assistant Secretary of the Oakland M. P. A., speaks from actual knowledge and experience of many years as to the importance and necessity of protecting every merchant who supplies material for the construction of any building.

Who really furnished the greater portion of the security upon which the owner obtained his building loan? In the beginning he only had a lot upon which he possibly might borrow a thousand dollars, with perhaps another thousand dollars in cash. You will readily see that the material men and sub-contractors furnished the balance of the security without any security to them and without their being able to know at any time when the building fund was exhausted. If the balance due is a small amount it does not pay to go to law over it and the irresponsible contractor gets the benefit of those small claims.

If there had been any way in which they could have at all times been informed as to the condition of the funds and known when the same were exhausted, would they have finished the job? No, sir! They only completed the job because they thought they were going to get their money and had no way of knowing whether they would or not, and that is the system and the condition today.

Sub-Contractors and Material Men Face Dilemma

They are now confronted with two disagreeable situations, either one of which will result in a loss. They must either settle on a prorate basis or file a mechanic's lien. If the amount, for the sake of illustration, is $100, it will not pay him to file a lien because the cost of the filing of a lien, we will say, is $7.50, and before the expiration of the following ninety days, must file suit in the superior court to foreclose said lien, the minimum attorney's fees in such case being $50. The claimant, therefore, is out $57.50 before he starts in, not taking into consideration his loss of time in the trial of the suit, etc. You can readily see that he is ahead by settling on a 50 per cent basis.

The other condition which frequently happens, and is far more serious, is where the claim runs into the hundreds and sometimes thousands, with a prior deed of trust, and sometimes two, ahead of the mechanic's lien. The claimant is then placed in a position of having to take care of the prior incumbrances in order to get his money out of it. Such is the system and method of the building industry as it has existed for many years and as it exists today.

Material Converted into Mortgaged Real Estate

The material furnished by the material man and sub-contractor is personal property, and, we will say, free and clear. But every morning when they open their place of business they begin to haul out material and deliberately dump it upon a mortgaged lot. Thereby they allow their material to lose its character as personal property. It takes upon itself the character of real estate mortgaged. It serves as security for the man who loaned the money. Why should the material man and sub-contractor be expected to furnish security without having some say as to where the money is deposited and the manner in which it is disbursed and the means of knowing at all times the condition of the fund and when it is exhausted? Why should they be expected, or as a matter of principle and square dealing, be permitted to proceed to finish their job when there are not sufficient funds?

No Consideration for Those Who Give Security

The material man and the sub-contractor certainly should have some right to say where the money should be deposited, how it should be paid out, and the right to know that there is no longer any money with which to pay them before they proceed to finish the job. The county records or liens filed in the county recorder's office involve hundreds of thousands of dollars, every dollar of which means bad business and has a tendency to discourage building by those who fear such conditions and possible situations. It also naturally results in higher costs of building all along the line, for all business to succeed must at the end of the year show a profit. Consequently, somebody, and that means that portion of the public who pay their bills, has to pay for those who do not.

A Better System Is Required

When we fully consider, in its several parts, the manner in which the building industry is conducted, we must admit that it is positively unsound and unbusinesslike.

The building business is not, nor should it be, a question of credit, or the responsibility of the owner or the contractor, but is strictly a cash transaction. When an owner undertakes to build, he is presumed to have the money to pay for it and every dollar of that money should go into the building before a dollar of it goes into the contractor's pocket, whom the owner has selected, who handles all the money belonging to the material man and sub-contractor, who have had no voice whatever in the selection of the contractor, which virtually amounts to the fact that the material men and sub-contractors are compelled to trust a man to handle their money without any security therefor.

A man's credit may be good today, and for one reason or another he may go wrong tomorrow. Many a good contractor has made a mistake and has had to meet conditions which he could not foresee, with the result that he went broke and carried others down with him. We read of that most every day. The only portion of the building fund

which the contractor should handle is that which is left for his profit after the building has been completed and all bills have been paid.

How, then, are we going to remedy such a system and place it upon a sound business foundation?

The material man and the sub-contractor must have some way of knowing at all times the conditions of the finances of the job, regardless of whether it is being financed by the owner, the contractor himself, or by a building loan; and there is only one way to accomplish that.

Before giving in detail the plan that will place the building industry upon a sound business foundation, it might be well to answer the question that would naturally be asked: Supposed the building fund is exhausted before the job is completed, and the owner, having no other re-

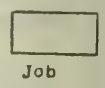

DIAGRAM No. 1

Fig. 1—Representation of the Man Who Desires to Build a Home

sources and already having given a deed of trust to the loan man, who will not advance any more money, as he already has a deed of trust for the completed job, what becomes of the job?

The ansyer is: This is a matter entirely between the owner and the contractor whom the owner has selected, but whom the material men and sub-contractor have had no voice whatever in selecting.

If the contractor selected by the owner has not been able to finish the job for amount of his contract, that is no reason why the owner should expect the material man and sub-contractor to be the angel. But that is exactly what the material man and sub-contractor have been, and under the present system still are.

The material man and sub-contractor, not being mind readers and having no way of ascertaining at all times how much money is in the fund, are confronted with the

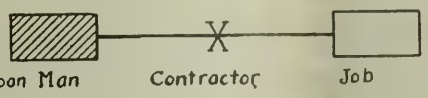

DIAGRAM No. 2

Fig. 2—Shows the Owner Connected Up to the Loan Man

proposition that in order to do business they must either furnish the material and accept the contract and take a chance on getting their money, or they must refuse to take the job for fear they may not get their money. Either way you look at it it is a rank gamble.

By the series of diagrams appearing herewith one can get a thorough understanding of how the present incomplete system may be completed, whereby everyone from the owner to the last man on the job will be absolutely protected.

You will see how every dollar of the owner's money will have gone into the job, the material man and sub-contractor will have been paid, and the contractor, if he has a profit coming, will get his.

In order that the reader will get a clear and thorough understanding of the plan, he should study the three dia-

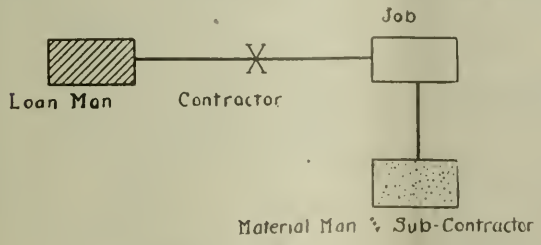

DIAGRAM No. 3

Fig. 3—The Material Man and the Sub-Contractor Connected With the Job, but Not the Money

grams designated as Figs. 1, 2 and 3, which explain the incomplete system as it exists today. Diagram Fig. 1 shows the owner's lot. Diagram Fig. 2 shows the owner connected up with the loan man. Diagram Fig. 3 shows the material man and sub-contractor connected up with the job, but not connected up with the money.

You will see by the diagrams, first, where the owner has his lot. He goes over to the loan man, which square is shaded for the purpose of showing that the building fund is covered up. Between the two you notice an X, which is the contractor, through whose sands the fund is dispensed.

You then notice the lower square on the right hand side connected up with the owner's mortgaged lot, where the material man and the sub-contractor are seen in the act of furnishing labor and material; after which they can chase after the contractor, not once but usually many times, which results, to say the least, in the loss of a great deal of valuable time, which was not figured on in the contract, and which otherwise could have been put to more profitable use.

Upon the completion of the job, of course, the material man and sub-contractor may have been paid in full, for not all jobs go wrong. On the other hand, the ones who have furnished the material and labor, which is the security upon which the loan has been made, after having finished the

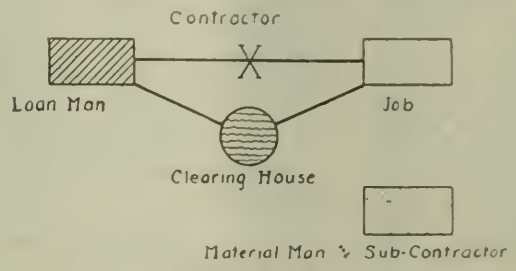

DIAGRAM No 4

Fig. 4—Shows How the Clearing House Can Be Brought into the Operation

job, instead of having the owner, contractor or loan man voluntarily go and pay them, have not only had to chase after them for the money that they rightfully deserve and should have been paid without expense, worry or loss of time, but must face one of the situations described in the early part of this article.

Material Men's and Sub-Contractors' Guarantee of Getting Their Money When Due

You will also note by the diagrams that there is no direct connecting circuit or circulating system whereby the material man and sub-contractor are directly connected with the loan man, that is to say, the money which is really the only thing which concerns the material man and sub-contractor. Thus you see that diagrams show the present system to be neither perfect nor complete.

Don't fool yourself, Mr. Material Man and Sub-Contractor, for that is exactly the way you are doing business today.

Fig. 4 shows Figs. 1, 2 and 3 with a circle in the center connected both to the owner and loan man, the circle re-

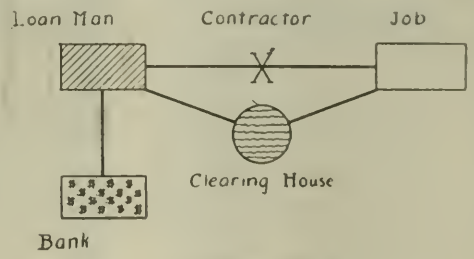

DIAGRAM No 5

Fig. 5—Loan Man Connected to Bank Where He Has Deposited Money to Be Paid Out Only by Clearing House Drafts

presenting what is known as the Builders' Clearing House, in which a book of accounts only is kept of the fund. The material man and sub-contractor are not yet connected up with the job.

Fig. 5 shows the loan man connected to the bank where he has deposited the money to be paid out only by Clearing House Drafts, similar to a trade acceptance.

Fig. 6 shows the material man and sub-contractor connected up to the job and connected up by arrows though the Clearing House to the money in the bank to his pocket.

Thus, we see the diagram is complete, connecting up every link of the business industry.

You will readily see that the Clearing House Draft, passing through the Clearing House and subtracted from the book account, leaves a new balance, and when forwarded to the bank and charged against the money in the bank, the balance of the account in the Clearing House and the bank corresponds.

Thus we see the Clearing House does not handle any money whatever. It is only a medium and a system through which and whereby the material man and sub-contractor, before proceeding to furnish any material or perform any

labor, or before finishing up, can call up the Clearing House and ascertain at any and all times the condition of the building fund. The system is a very simple one and, in a few words, explained as follows:

Owner obtains building loan; instead of the loan man keeping the money covered up, it is deposited in the bank with a duplicate account in the Clearing House. The material man and sub-contractor send Clearing House drafts through Clearing House for entry against loan in bank. Draft is forwarded to the bank, where payment is made directly to material man and sub-contractor. Fig. 7 shows,

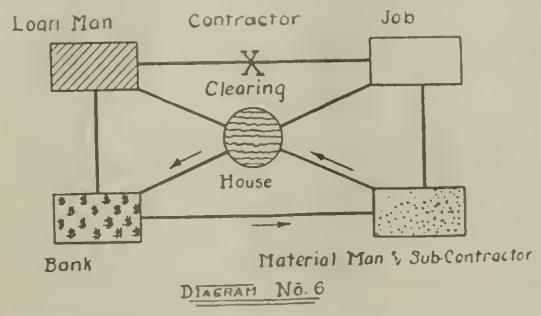

Fig. 6—Sub-Contractor Connected to the Job and Through the Clearing House to Money in Bank

by heavy lines, how exceedingly simple the system is after a record of same has been entered in the Clearing House and the money deposited in the bank.

By this arrangement being made before the job is started, it will save a lot of time, worry and money, from the owner to the last man on the job, and, as previously stated, completes the otherwise incomplete system and puts upon a sound business basis the unsound methods and systems of today.

Instead of an unbroken diagram with a dead end, it

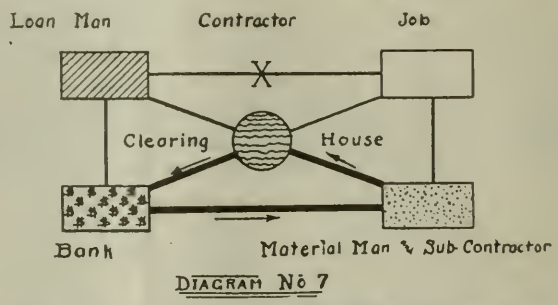

Fig. 7—Shows by Heavy Lines the Simplicity of the Scheme Whereby Sub-Contractor Gets Paid

shows a completed diagram with a perfect circulating system giving 100 per cent efficiency.

If, for any reason, either on account of misunderstanding, etc., sight draft is not honored at the bank, it is immediately returned to the Clearing House and the drawer immediately notified for the purpose of having the matter adjusted. If it should be found that the difference between the two cannot be adjusted, a certain sum agreed upon is withheld, until the matter is adjusted, which guarantees the payment of the draft, but does not necessitate the holding up of the job. The Clearing House is to the building industry what the indicator is to the gasoline tank.

STATE HIGHWAY COMMISSION FIGHTING FLOODS WITH "SAUSAGES."

Fighting storms with "sausages" is an effective method the California Highway Commission has tried out this winter in Southern California.

The "sausages," however, are not of the "fido" kind but consist of dykes constructed of heavy steel mesh wire and filled with heavy rock. These dykes the workmen have dubbed "sausages." They are proving to be an effective method of combating streams swollen to torrential proportions that threaten the State highway system.

Official reports of storm damage in Southern California reaching the California Highway Commission tell a interesting story of the fight of highway maintenance forces to keep traffic moving.

Between San Bernardino and Summit thirty inches of rain fell in a very short time. Three hundred feet of pavement, where the road hugged the narrow edge of the mountain side, were swept away by a nine foot flood which came down Cajon Creek. Further down a section of road two hundred feet long, ten feet wide and fifteen feet deep was lost. Slides and debris covered the road in thirty-two other places, ranging in length from sixty to one thousand feet.

Notwithstanding the severity of the storm and its resulting damage, traffic through this gateway to Southern California was stopped only two and one half days. When Cajon Creek was so swollen with floods that it was impossible for travellers to get across without assistance, trucks and teams were kept for several days by the California Highway Commission at two fords assisting travel in crossing the streams and guarding against accident.

In Riverside county two bad washouts occurred north of Beaumont. Travel on this road was at no time stopped.

Between Saugus and Castaic, a huge volume of water and debris were thrown on to the highway. In order to keep the road open to traffic which was very heavy going to the holiday season, maintenance forces were immediately tripled. At no time was the road entirely blocked except for a few hours on the morning of December 28, when two trucks got stuck in parallel position.

Maintenance forces worked night and day, disregarding Sundays and holidays, in combatting the storms. The energy with which this work was pushed saved a heavy loss in Los Angeles County between San Fernando and La Canada. There the Big Tujunga has a wide bed. The floods sought a channel on the northerly side of the river bed and the current swinging in a wide curve cut deeply into a high bluff. Several acres planted to walnuts and citrus trees were carried away. The ground was cut to within twenty-five feet of the edge of the State highway pavement and within three feet of the highway right of way.

Highway forces were rushed to the scene and the wire mesh and rock "sausages" were installed. Another storm sent a fresh flood down. Additional orchard lands were swept away but the "sausages" however deflected the channel from the foot of the high bank and thus prevented further damage to the highway right of way.

Flood damage is being repaired under allotments from maintenance funds and under rush orders.

MONTANA LUMBER SHIPMENTS SHOW SLACK

Lumber shipments for the past month show a marked decrease in stocks in the manufacturers' hands, due to the excess of shipments over the production. The monthly report of the secretary of the Montana Larch and Pine Manufacturers' Association shows the total shipments amounted to 532 carloads or 14,393,287 feet, as compared to 433 cars or 10,346,597 for the same month in 1920. Out of the 532 cars shipped 108 went to Illinois, 87 to Minnesota and 48 to Wisconsin. Only 69 cars were marketed in Montana, 47 went to Atlantic Coast states and 11 to Canada. The cut for the month was 6,448,591 feet as against 15,642,729 for the corresponding month of 1920.

SYSTEMATIC PROGRESS AND EXPANSION URGED BY LUMBERMAN

Systematic progress and expansion with strict attention to the small details of the industry was urged by C. D. LeMaster, secretary of the Fresno Lumbermen's Association, at a meeting of five hundred retail lumbermen from eight states and Canada, at Salt Lake City. Representatives registered from California, Nevada, Arizona, Utah, Oregon, Washington Idaho, Montana and British Columbia.

LeMaster declared the urgent need of the planing mill business is an association to study costs and conditions to enable the retailers to conduct their business with profit to both dealer and consumer, and wih service as the chief aim in commercial transactions.

PROPOSE WEST SAN JOAQUIN VALLEY STATE HIGHWAY

A delegation from the West Side San Joaquin Valley cities of Patterson, Newman and Gustine, appeared before the California Highway Commission recently urging aid in the completion of a west side highway from Tracy to Fresno. Only about 25 miles remain unimproved, the balance of the distance having been built by the counties. The Commission advised the delegation that the route suggested, while a logical route for a State road, was not now included in the State system, and therefore ineligible to receive state bond or maintenance funds. The delegation discussed with the Commission the formation of a joint highway district, and the inclusion of the route in any future additions to the State highway system.

STEAM SHOVEL'S POWER

In constructing the Berthoud Pass road in Colorado a steam shovel was moved 15 miles under its own power up 15 per cent grades to start work at the highest point. The government forest road crosses the Front Range at an elevation of 11,300 ft.

AMERICAN PLAN IN OAKLAND DESCRIBED BY HARRISON S. ROBINSON, ATTORNEY

Effect of the American plan upon the city of Oakland is strongly brought out by Harrison S. Robinson, first vice-president of the Oakland Chamber of Commerce, chairman of the industrial relaations board, chairman of the Alameda County public health center, member of the county institutions commission, former chairman of the civic service board of Oakland, and well known lawyer and business man with a long record of private and public work, in the following statement:

"The American plan was put in operation in Alameda County by agreement of the Builders' Exchange and the Building Trades Council, which latter represents most of the unions in the building trades. The movement was fostered by the industrial board of the Oakland Chamber of Commerce.

"Neither in theory nor practice do we attempt to crush unions. On the other hand we insist that unions shall not crush industry. All jurisdictional questions and disputes are done away with. Apprentices are now admitted to crafts which they were excluded from for years. Contractors are required to pay the scale decreed by the San Francisco wage board, consisting of Brandenstein and Michaels. The industrial relations board maintains an employment office—a manager and three field men who are in touch with all jobs at least every third day. They come more nearly to enforcing the universal payment of the standard wages than union business agents ever did and this is one of their principal duties.

"A long list of specific cases can be given where union and no-union men work side by side and are given equal consideration. Without any increase in hours of labor and with only slight reductions in wages, allowed by the San Fraancisco wage board, the cost of building has been reduced approximately 25 per cent. At least half of this is due to increased efficiency.

"Certain building trades unions oppose the American plan in this county, but the results of the plan properly administered are so fair to the men and so beneficial to the community that after six months of experience the people continue to support the organization treasury for the continued operation of our system."

NEW DISTRICT OFFICES FOR CEMENT ASS'N

Portland Cement Association announces the opening of a district office at 10 North High street, Boston, with L. T. C. Loring in charge and at 1001 Finance Bldg., Philadelphia, with D. S. MacBride in charge.

Loring has had large experience as engineer and construction superintendent in charge of public and private works in the Boston district. For the past two years he has been a fieldman for the Portland Cement Association, in charge of diversified promotion in eastern Massachusetts and Rhode Island.

MacBride entered the employ of the Cement Association three years ago and has been conducting Association educational-promotional work in eastern Pennsylvania. Previous to this connection he served as testing, designing and construction engineer on large private and public works. One of his connections was that of Construction Engineer, Department of Wharves, Docks and Ferries, Philadelphia.

Colorado's gold output last year was $6,780,000 and its tourist business amounted to $35,000,000.

Building Statistics
Department of Public Health and Safety
City of Oakland, California

FRANK COLBURN, Commissioner — T. W. RYAN, Building Inspector

Compiled By Building Department — Year 1921

Date	Permits	New Construction	Permits	Alterations & Repairs	Permits	Total Cost
Jan.	237	$ 459,479	115	$ 87,760	352	$ 546,239
Feb.	468	897,218	119	68,985	587	966,203
March	577	1,250,070	126	64,387	703	1,314,457
April	524	1,135,487	112	85,759	636	1,321,246
May	469	937,603	96	95,720	565	1,033,323
June	423	1,424,009	110	62,013	533	1,486,022
July	388	1,062,628	104	100,094	492	1,162,628
Aug.	470	1,789,816	182	62,793	652	1,852,609
Sept.	545	1,409,920	174	68,819	719	1,478,739
Oct.	526	1,188,441	147	56,779	673	1,245,220
Nov.	532	1,127,323	114	107,851	646	1,235,174
Dec.	415	2,106,865	85	42,891	500	2,149,756
TOTAL	5574	14,888,765	1484	902,851	7058	15,791,616

FRAME CONSTRUCTION

Classification of Buildings	No. Permits	Cost
1-st. dwellings	1917	$ 5,057,003
1-st. dwellings & stores	14	33,300
1-st. 2 family dwelling	18	84,175
1-st. 4 family dwelling	1	9,700
1½-st. dwelling	55	264,291
2-st. dwellings	110	783,611
2-st. dwellings & st's.	4	22,150
2-st. flats & stores	12	107,978
2-st. flats	40	352,200
2-st. apartments	46	699,650
2-st. apartm. & stores	5	55,700
3-st. apartments	14	408,600
3-st. hotel	1	60,000
2-st. stores & loft bldg.	4	40,000
1-st. stores	49	125,882
2-st. dormitory	1	68,857
2-st. schools	5	204,721
1-st. schools	33	283,472
2-st. Convent	1	20,000
2-st. church bldg.	1	24,000
1-st. church bldg.	1	19,368
2-st. hall bldg.	2	8,800
1-st. auditorium	2	13,500
1-st. gymnasium	5	167,944
2-st. office bldg.	5	2,015
1-st. office bldg.	11	2,765
2-st. factory	1	12,000
1-st. factory	9	96,900
2-st. planing mill	1	1,250
1-st. warehouse	10	94,430
2-st Shops	7	7,600
1-st. shops	10	4,235
1-st. creamery	2	11,000
1-st. rest room & toil.	5	11,615
1-st. dining r. & kitch.	2	12,150
1-st. greenhouse	11	6,425
1-st. boiler room	1	1,500
Hand ball court	1	2,200
Amusement concession	1	3,000
1-st. studio	1	600
Water cooler	1	750
Wharf	1	1,000
Garages and sheds	1855	351,881
Tank frames & barns.	10	4,840
Additions	914	642,370
Electric signs	177	57,825
Marquees	5	7,850
Alterations & repairs.	1484	902,851
Total	6867	$11,153,954

CONCRETE CONSTRUCTION

Classification of Buildings	No. Permits	Cost
8-st. apartments	1	$ 430,000
7-st. hospital	1	650,000
4-st. hospitals	2	1,026,000
3-st. stores & offices	1	65,000
3-st. stores	1	200,000
2-st. stores & flats	1	10,000
1-st. stores	5	60,100
3-st. home for girls	1	120,000
4-st. loft bldg.	1	60,000
2-st. loft bldg.	1	42,856
3-st. factory	1	49,000
2-st. factory	1	750,000
1-st. factory	1	10,000
2-st. church bldg.	1	29,719
2-st. condensing tower	1	2,000
1-st. sub station	1	32,000
1-st. crematorium	1	10,000
1-st. dwelling	2	13,500
1-st. freight shed, add'l cost		88,614
1-st. power house	1	16,500
1-st. boiler house	1	2,000
1-st. garage	49	219,362
1-st. mixing bldg.	1	4,800
1-st. stable	1	1,200
1-st. shop	2	50,418
Additions	1	12,868
Foundations	1	14,000
Total	81	$3,969,937

STEEL CONSTRUCTION

Classification of Buildings	No. Permits	Cost
1-st. gas holder	2	6,000
1-st. service station	9	26,400
1-st. foundry	1	5,000
Water tower	2	9,860
Total	14	47,260

TILE CONSTRUCTION

Classification of Buildings	No. Permits	Cost
2-st. apartments	1	16,000
1-st. dwelling	3	8,500
1-st. factory	1	6,500
1-st. stores	3	16,900
1-st. garages	23	74,772
1-st. battery station	1	1,200
1-st. bakery	1	15,000
1-st. sheds	2	750
Addition	1	500
1-st. service station	1	450
1-st. shop	1	3,500
Total	38	144,072

BRICK CONSTRUCTION

Classification of Buildings	No. Permits	Cost
2-st. store buildings	7	61,578
1-st. store buildings	4	66,844
1-st. dwellings	2	7,750
1-st. bank building	1	34,000
2-st. factory building	Add'l cost	15,000
1-st. factory building	1	8,500
1-st. garages	14	142,650
1-st. warehouses	2	9,950
1-st. barn and stable	1	16,000
1-st service stations	9	10,150
1-st. sheds	3	1,350
1-st. boiler houses	2	725
Additions	12	11,896
Total	58	476,393

SUMMARY

Frame construction	6867	11,153,954
Brick construction	58	476,393
Tile construction	38	144,072
Concrete construction	81	3,969,937
Steel construction	14	47,260
Total	7058	15,791,616

Building News Section

APARTMENT HOUSES

Sub-figures Being Taken.
APARTMENTS Cost, $62,500
SAN FRANCISCO. Pine near Powell.
Four-story and basement Class C (16) apartments.
Owner—W. F. Blasse, 1370 Washington St., San Francisco.
Architect—E. H. Denke, 1317 Hyde St., San Francisco.

Sub-figures Being Taken.
APARTMENTS Cost, $16,000
SAN FRANCISCO, S 19th and E Castro.
Three-story and basement frame apartments.
Owner—L. Muller, % Architect.
Architect—John F. Beuttler, 110 Sutter St., San Francisco.

Sub-figures Being Taken.
APARTMENTS Cost, $22,000
SAN FRANCISCO. Ashbury and Fulton.
Three-story and basement frame (9) apartments.
Owner—W. L. Hemminga, 47 Ashbury St., San Francisco.
Architect—None.

Sub-figures Being Taken.
APARTMENTS Cost, $40,000
SAN FRANCISCO. N Fulton in 15th Avenue.
Three-story and basement frame and plaster (18) apartments.
Owner—Arthur Stevens, 4026 Fulton St, San Francisco.
Architect—None.

Owner Taking Sub-figures.
APARTMENTS Cost, $15,000
OAKLAND, Alameda Co., Cal. Park Blvd. and Mont Clair Ave.
Two-story frame and plaster (4) apartments.
Owner—Mr. Petersen, 140 Townsend St., San Francisco.
Architect—A. W. Smith, 1010 Broadway.
Owner will superintend construction.

Plans Being Prepared
APARTMENTS Cost, $20,000
BURLINGAME, San Mateo Co., Cal.
Two-story frame and plaster (4 5-rm.) apartments and garage. Brick paved entrance patio.
Owner—Mrs. J. P. Dwan, Burlingame.
Architect—Ernest Hildebrand, 110 Sutter St., San Francisco.

Bids Received On Apartment House.
APARTMENTS Cost, $——
SAN FRANCISCO. Leavenworth and Washington Streets.
Five-story reinforced concrete apartments.
Owner—Dr. J. A. Simpson, Flood Bldg., San Francisco.
Architect—Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.
John Morton, 180 Jessie St. (low) $66,495
Monson Bros. 69,287
Atlas Mortar Co. 71,250
O. C. Holt 72,470
M. C. Ingraham 76,600
Bids taken under advisement

To Be Done By Day's Labor.
APARTMENTS Cost, $18,000
SAN FRANCISCO. Clement and 17th Ave.
Three-story and basement (8) apartments.
Owner—Chas. A. Johnson, 36 Steiner St., San Francisco.
Architect—None.
Day's work.

Plans Completed — Figures To Be Taken Next Week.
APARTMENTS
LONG BEACH, Los Angeles Co., Cal.
Eleven-story reinforced concrete and stucco (118) apartments 46x144.
Owner—Omar Hubbard, Long Beach.
Architect—John and Donald Parkinson, Title Insurance Bldg., Los Angeles.

To be Done by Day's Work.
APARTMENTS Cost, $10,000
SAN ANSELMO, Marin Co., Cal.
Two-story reinforced concrete store and apartment building (2 stores and 4 3-room apts).
Owner—Leach Realty Co., San Anselmo
Architect—J. W. Doliver, 114 Sansome St., San Francisco.

Plans Prepared.
APARTMENTS Cost, $45,000
BURLINGAME, San Mateo Co., Cal.
NW El Camino Real and Burlingame Ave.
Three-story frame and stucco (12) apts.
Owner—Thos. J. Turner, 350 Elm St., San Mateo.
Architect—W. H. Toepke, 942 Market St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $100,000
SAN FRANCISCO. 7th Ave. and Clement.
Alter and add to one-story and basement brick bank building.
Owner—S. F. Savings and Loan Society (Presidio branch).
Architect—Herbert Schmidt, 251 Kearny St., San Francisco.
Contractor—Chas. W. Heyer, Jr., Mills Bldg., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $11,000
SACRAMENTO, Cal. Ninth and G Sts.
Alter two-story frame apartment house
Owner—Fred Ankener.
Architect—E. C. Hemmings, Ochsner Bldg., Sacramento.
Contractors—Herndon & Finningan, 1814 17th St., Sacramento.
Electric Wiring to J. C. Hobrecht, 1014 6th St., Sacramento.

Plans Being Prepared.
APARTMENTS Cost, $50,000
SAN FRANCISCO. SE Francisco and Franklin.
Three-story frame and plaster apartment house (14, 2, 3 and 4-room apartments).
Owner—Finocchio Bros.
Architect—I. Zanolini, 604 Montgomery St., San Francisco.

Low Bidder.
ADDITION Cost, $18,690
SAN RAFAEL, Marin Co., Cal. 4th and B Sts.
One-story frame addition to one-story store bldg. for apartments (5, 3-room apts., plaster exterior).
Owner—J. Albert.
Architect—S. Heiman, 57 Post St., San Francisco.
Low Bidder—Peter Hamilton, Russ Bldg., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $——
LOS ANGELES, Cal. Maryland and Bixel Streets.
Four-story and basement Class A apartment house, 100x104.
Owner—Geo. Marcell, New York City.
Architect—H. C. Deckbar, Wright-Callender Bldg., Los Angeles.

Plans Being Prepared.
APARTMENTS. Cost, $100,000
SAN FRANCISCO. Location Not Given
Five-story Class A store and apartment building.
Owner—A. F. Rousseau.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

SEATTLE, Wash.—Architect Harry H. James, American Bank Bldg., has completed plans for a four-story, 60x120 ft. mill, brick and terra cotta apartment house to contain 43 2 and 3-room apartments and will cost $100,000. Name of owner withheld.

BANKS

Plans Being Prepared.
BANK Cost, $50,000
SAN FRANCISCO. SE Broadway and Columbus Ave.
One-story and basement reinforced concrete bank building (safe deposit vaults, etc.)
Owner—Italian-American Bank.
Architect—I. Zanolini, 604 Montgomery St., San Francisco.

BONDS

SAN ANSELMO, Marin Co., Cal.—Until March 7, bids will be received by Sanitary District No. 1, Marin County, for purchase of $200,000 bond issue; proceeds of sale to finance sewer construction. J. E. Manning, secretary of district.

MARYSVILLE, Yuba Co., Cal.—Lions' Club of this city will urge supervisors to call election to vote bonds of $800,000 to finance system of paved roads. Leslie B. Crook, county surveyor.

CUTLER, Tulare Co., Cal.—Election will be held March 7th in Cutler School District to vote bonds of $15,000 to finance construction of a new school. Trustees of the district are: Thomas I. Reed, W. M. Clark and J. P. O'Neal.

TAFT, Kern Co., Cal.—Bonds of $380,000 were voted at a recent election to finance construction of a Union High School building, plans for which are being prepared by Architect Orville L. Clark, Brower Bldg., Bakersfield.

COLUSA, Colusa Co., Cal.—Colusa County Supervisors set March 28, as date to decide question of issuing bonds of $795,000 to build a system of good roads. Chas. de St. Maurice, county surveyor.

SARATOGA, Santa Clara Co., Cal.—Trustees of Saratoga Grammar School contemplate election to vote bonds to finance construction of a new school.

OAKLAND, Cal.—Until March 6, bids will be received by Supervisors for purchase of $110,000 bond issue of Livermore High School District; proceeds of sale to finance school improvements.

NEWPORT BEACH, Cal.—A bond issue of $75,000 to build a container for a reserve gas supply will be submitted at the election April 10. Paul E. Kressly, H. W. Hellman Bldg., Los Angeles, city engineer.

REDONDO, Cal.—Petitions being circulated to call election to vote bonds of $100,000 for a new public library.

CHOWCHILLA, Madera Co., Cal.—Trustees of Chowchilla Grammar School District will call election to vote bonds to finance construction of new school, replacing structure destroyed by fire.

PORTERVILLE, Tulare Co., Cal.—Due to irregularities in proceedings, Supervisors cancel $44,500 bond issue of Sultana School District and another election will be called. Proceeds of sale of bonds to finance construction of a new school.

SANTA ROSA, Sonoma Co., Cal.—April 4 is date set to vote bonds of $50,000 to finance improvements to municipal water works plant. Engineer C. C. Kennedy, 58 Sutter St., San Francisco, has submitted recommendations for improvements.

CARMICHAEL COLONY, Sacramento Co., Cal.—Directors of Carmichael Colony, sitting as the utility district board ,proposes to call election to vote bonds of $40,000 to finance installation of a lighting system. Plans prepared by C. M. Hoskinson.

MODESTO, Stanislaus Co., Cal.—The $80,000 bond issue of the Oakdale Union High School District sold by county supervisors for a premium of $5,238; proceeds of sale to finance additions to present school. W. H. Weeks, 369 Pine St., San Francisco, is the architect.

SELMA, Fresno Co., Cal.—Until Mar. 10, bids will be received by Supervisors for purchase of $230,000 bond issue of Selma Union High School District bonds; proceeds of sale to finance school improvements. Norman R. Marsh, Los Angeles, is the architect.

KERMAN, Fresno Co., Cal.—Bonds of $150,000 voted in Kerman Union High School District; proceeds of sale of bonds to finance construction of a new high school. Anton Johnson of Kingsburg is the architect.

KLAMATH FALLS, Ore.—Election will be held in Klamath County, Feb. 21, to vote bonds of $800,000 for a system of good roads.

BRENTWOOD, Contra Costa Co., Cal.—Lone Tree Irrigation District votes bonds of $160,000 for an irrigation district; $80,000 of the total voted will be used for improvement, the balance to purchase stock in the East Contra Costa Irrigation Company. A. Kempkey, Hobart Bldg., San Francisco, is consulting engineer for the district.

CHURCHES

FRESNO, Fresno Co., Cal.—The Grace Methodist Church, Rev. E. E. Marshall, pastor, has appointed a committee to confer with architects regarding the construction of an addition to the church building for Sunday school rooms. The addition will cost, $20,000.

FACTORIES & WAREHOUSES

Sub-figures Being Taken.
FACTORY BUILDING Cost, $50,000
SAN FRANCISCO. Mission and 13th.
Two-story steel and brick factory building.
Owner—Pacific Embroidery Co.
Architect—Albert Burgren, 110 Sutter St., San Francisco.
Steel work awarded to Dyer Bros. Segregated bids are being received on balance of work.

Contract Awarded.
PAINT SHOP Cost, $100,000
FRESNO, Fresno Co., Cal. Los Angeles and M Streets.
Two-story reinforced concrete and stucco paint jobbing (branch) plant.
Owner—W. P. Fuller & Co., Beale and Mission Sts., San Francisco (Chas. O. Norton, San Joaquin Valley representative).
Architect—Eugene Mathewsen, Cory Bldg., Fresno.
General Contractor—M. C. Vaughn, 357 12th St., Oakland.

Plans Being Prepared.
WAREHOUSE Cost, $10,000
REDWOOD CITY. Main Street.
One-story brick store and warehouse 50x100.
Owner—Ross & Ross, attorneys, Redwood City.
Architect—Gus Waller, 220 Hudson St, Redwood City.

Contract Awarded.
REPAIRS Cost, $23,000
SAN FRANCISCO. Beach near Larkin.
Repair fire damage to factory building.
Owner—Rose Arata, % Contractor.
Architect—None.
Contractor—M. V. Brady, Monadnock Bldg., San Francisco.

Contract Awarded.
OFFICE & WAREHOUSE Cost, $20,000
SAN FRANCISCO. N Howard in Fifth Street.
One-story and basement reinforced concrete office and warehouse building.
Owner—Louis R. Lurie, 240 Montgomery St., San Francisco.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—F. L. Hansen, 251 Kearny St., San Francisco.

POMONA, Cal.—Pomona Valley Telephone and Telegraph Co. Union contemplates spending $25,000 for extensions and improvements, $10,000 for building and equipment, $31,000 for switchboard equipment for Chino, Claremont, La Verne and San Dimas, and $25,000 for reconstruction of depreciated lines.

Lewis Roofing and Asbestos Works
180 JESSIE ST. S. F.
Phone Sutter 6700
Branch—2022 University Ave., Berkeley—Phone Berk. 4360
Roof Paints—Roofing Repairs
Shingle Metal Gravel
Asbestos and Magnesia Steam Pipe and Boiler Covering

MARTINEZ, Contra Costa Co., Cal.—Duncanson-Harrelson, Chronicle Bldg., San Francisco, at approximately $20,000, awarded contract to construct ferry slip for Martinez-Benicia Ferry Co. Main Iron Works, 16th and Daggett Sts., San Francisco, awarded contract for iron work on slip at approximately $2,000. Slip will be 275 ft long. James J. Walsh, 112 Market St., San Francisco, engineer for company.

SANTA CRUZ, Santa Cruz Co., Cal.—One bid received by Council for repairing municipal wharf rejected and work ordered done by day labor under supervision of city engineer James K. James. Pilings, etc. will be replaced.

FLATS

Plans Being Prepared.
FLATS Cost, $15,000
FRESNO, Fresno Co., Cal.
Two-story frame and stucco flats.
Owner—Fred Stevenson.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.

To Be Done By Day's Work.
FLATS Cost, $20,000
SAN FRANCISCO. E 21st Ave. N Fulton Street.
Four 2-stery and basement frame flats.
Owner—Costello Bros., 18 Ney St., San Francisco.
Architect—None.
To be erected by day's labor and sub-contracts.

To Be Done By Day's Work.
FLATS Cost, $15,000
SAN FRANCISCO. SE Ashbury and Fulton Sts.
Two-story and basement frame flats.
Owners—Jos. and Silvia Licht, 709 Masonic Ave., San Francisco.
Architect and Contractor—A. M. Hardy, 6217 California St., San Francisco.

To Be Done By Day's Work.
FLATS Cost, $24,000
SAN FRANCISCO. California St. near 10th Ave.
Two 2-story and basement frame flats.
Owner—M. Lager, 320 Market St., San Francisco.
Architect—Edward E. Young, 251 Kearny St., San Francisco.

Contract Awarded.
FLATS Cost, $12,000
SAN FRANCISCO. 20th Ave. near Anza.
Two-story and basement frame flats.
Owner—A. H. Korn, 720 Mission St., San Francisco.
Architect—Samuel Lightner Hyman, 68 Post St., San Francisco.
Contractor—Ed. Zinkind & Son, 434 10th Ave., San Francisco.

GARAGES

Sub-figures Being Taken.
GARAGE Cost, $70,000
FRESNO, Fresno Co., Cal.
Four-story reinforced concrete commercial garage.
Owner—Dolson & Anderson, Fresno.
Architect—W. W. Brelte, Clunie Bldg., San Francisco.

MERCED, Merced Co., Cal.—T. Wilson of Petaluma, will erect a $20,000 fireproof garage building on Front St., in this city.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—Wisconsin Wire & Iron Works, 1660 Booth St., Milwaukee, Wis., at $2,600 has been awarded a contract by Supervising Architect Treasury Dept., to construct bronze entrance at Everett, Wash., Post Office; time for completion 90 days.

SEATTLE, Wash.—Until Feb. 25, 11 A. M., under Req. SC-3507 bids will be received by Alaskan Engineering Commission, Bell Street Terminal, for furnishing and delivering Seattle, 500,000 tie plugs, similar to Grayling Dawel and Tie Plug Company's Pyramid tie plugs. Alternate bid may be submitted covering delivery f. o. b. contractor's works. Further information may be had from San Francisco offices of Commission in the Custom House.

BENICIA, Solano Co., Cal.—Until Feb. 25, 11:45 A. M., bids will be received by Commanding Officer, Benicia Arsenal, under Supply No. 51, for furnishing and delivering 6,000 ft. Manila rope, 3-in. circumference, ultimate strength at least 9000 lbs. sq. in. of not sectional area.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at the end of each paragraph:

Schedule 9277, for delivering at all navy yards, large quantities of miscellaneous tool steel. Feb. 23.

Schedule 9429, for Mare Island, 12,600 gallons mixing varnish. March 7.

Schedule 9430, Eastern and western yards, 5,900 feet leather belting. Mar. 7.

Schedule 9435, for Mare Island, 550 reams emery cloth and 120 reams sandpaper. March 7.

WASHINGTON, D. C.—Bureau of Yards and Docks, Treasury Department, will receive applications for plans for the following Pacific Coast projects, bids for which will be asked shortly:

Specification 4574, Tatoosh, Wash., radio station.

Specification 4577, Puget Sound, Wash., extension to building 368 for ordance storage.

Specification 4579, San Diego, Calif., gun shed and stables.

Plans will be forwarded on deposit of $10, checks or money orders made payable to Bureau of Yards and Docks.

SAN FRANCISCO—Until Feb. 23, 11 A. M., under Order No. 3553, bids will be received by U. S. Engineer Office, 240 Montgomery St., for furnishing wharf, Rio Vista, Solano county: miscellaneous machinery and hardware supplies.

VALLEJO, Solano Co., Cal.—Captain L. M. Cox, U. S. N., Public Works Officer of the Mare Island Navy Yard, has prepared a new plan to solve the silt problem of the Mare Island Channel and Dr. J. J. Hogan, President of the Vallejo Chamber of Commerce has left for Washington, to further the scheme. The plan calls for an appropriation of $1,500,00 for three years. An initial appropriation of $500,000 will be sought for this year. The Cox plan provides for two huge concrete dyke walls at the mouth of the channel.

SAN FRANCISCO—Until Feb. 23, 11 A. M., bids will be received under Order No. 3647, by U. S. Engineer Office, 240 Montgomery St., for furnishing f. o. b. regular wharf, Rio Vista, improved plow steel wire rope; 6 pieces ⅞-in. diameter, 1000 ft. long; 4 pieces ⅞-in. diameter, 650 ft. long; and 2 pieces 1-in. diameter, 275 ft. long. Specifications will be furnished on request.

SAN FRANCISCO—Until Feb. 24, 11 A. M., bids will be received by U. S. Engineer Office, 240 Montgomery St., for furnishing under Order No. 3548-3480, thirty 8-ft. and 30 10-ft. oars, spruce or ash; delivered Rio Vista, Solano county, Calif.

SAN FRANCISCO—Until Feb. 25, 10 A. M., bids will be received by U. S. Engineer Office, 240 Montgomery St., under Order No. 3549, for furnishing and delivering regular wharf, Rio Vista, Solano county: miscellaneous machinery packings, washers, etc. Specifications will be furnished on request.

HALLS AND SOCIETY BUILDINGS

Contract Awarded.
LODGE HALL Cost, $12,700
MONTEREY, Monterey Co., Cal. Main Street.
Reinforced concrete lodge hall.
Owner—Knights of Pythias, Lodge No. 180, S. Ruthven, Secretary Building Committee, Monterey.
Architect—Tuttle & Millar, Pacific Grove, Cal.
Contractor — Fred McCrary, Pacific Grove.

Plans Being Prepared.
LODGE BLDG. Cost, $——
PORTLAND, Ore. SW Tenth and Salmon Streets.
Four-story fireproof lodge building, 100x100; 80 feet high.
Owner—Odd Fellows' Lodge of Portland.
Architect — Ernest Kroner, Worcester Bldg., Portland, Ore.

RIVERDALE, Fresno Co., Cal.—I. O. O. F. Lodge of Riverdale votes to purchase site and erect two-story store and lodge hall.

SAN JOSE, Santa Clara Co., Cal.—Druids' Hall Association has permission from the State Corporation Department to issue $50,000 worth of stock to finance additions and improvements to the building at the northeast corner of San Carlos and Market Sts. for lodge rooms. N. E. Wretman, Attorney of San Jose, is secretary of the association.

HOSPITALS

Contracts Awarded.
HOSPITAL Cost, $——
SAN JOSE, Santa Clara Co., Cal. N E Santa Clara St. near 14th St.
Three-story reinforced concrete hospital (75 beds).
Owner—San Jose Hospital Association a corporation.
Architects—Binder & Curtis, 255½ S First St., San Jose.
General Contract to E. E. Etherton, Monadnock Bldg., San Francisco, $172,000.
Heating to J. E. O'Mara, 443 Minna St., San Francisco, $24,644.

Contract Awarded.
ADDITIONS Cost, $——
ROSS, Marin Co., Cal.
Three cottage additions to sanitarium.
Owner—Ross Sanitarium (Dr. A. Ritter).
Architect—J. W. Dolliver, 114 Sansome St., San Francisco.
Contractor—Watson Bros., San Anselmo.

Figures to be Taken Shortly.
ALTERATIONS Cost, $35,000
FRESNO, Fresno Co., Cal.
Alterations and additions for Nurses' Home and Training School.
Owner—County of Fresno, D. M. Barnwell, County Clerk.
Architects—Glass & Butner, Cory Bldg., Fresno.

E. E. Etherton Co., Monadnock Bldg., San Francisco, at $172,000, submitted the lowest bid to Architects Binder & Curtis of San Jose, for the construction of the proposed four-story reinforced concrete hospital to be erected at Fourteenth and Santa Clara streets, San Jose, for the San Jose Hospital Association. J. E. O'Mara of San Francisco, at $24,624, submitted the lowest bid for heating and ventilating; and Pacific Elevator Co. of San Francisco, for elevators at $3,466. A complete list of bids follow:

R. O. Summers, San Jose	$189,911
D. J. Byron, San Jose	197,587
C. L. Wold & Company, S. F.	179,000
E. E. Etherton Company, S. F.	172,000
Lawton & Vezey, S. F.	181,000
Larsen-Siegrist Company, S. F.	188,855
M. C. Vaughn, Oakland	179,500
M. E. Hopper & Son, Oakland	192,500
Cobby & Owsley, S. F.	194,600
Cahill-Vensano Co., S. F.	186,600
Heating and Ventilating	
Moenning & Howard, San Jose	$26,125
Scott Company, S. F.	27,520
J. E. O'Mara, S. F.	24,624
Turner Company, S. F.	26,540
James H. Pinkerton, S. F.	29,199
James A. Nelson, S. F.	29,450
C. Petersen Company, S. F.	26,765
Elevators	
Otis Elevator Co., S. F.	$3,490
Van Emon Elevator Co.	3,475
Pacific Elevator Company, S. F.	3,466

OAKLAND, Cal.—Until March 13, 10 A. M., bids will be received by Geo. E. Gross, county clerk, for excavating and grading work at the Alameda county hospital; also for moving, underpinning, concrete foundations, concrete oil tank, etc. **See call for bids under official proposal section in this issue.**

SAN FRANCISCO—Supervisors appropriate $3,000 to replace hot and cold water pipes at the San Francisco hospital, now showing leaks.

EUREKA, Humboldt Co., Cal.—Mercer Fraser Co., Eureka, at $9,994, awarded contract by supervisors to construct building for housing heating plant and laundry at Tubercular hospital, from plans of Architect Newton Ackerman, Eureka. Other bidders: W. C. Elsmore, $12,294; A. N. Foster, $11,490; Louis Halvorsen, $12,421.

HOTELS

Figures to be Taken Shortly.
HOTEL Cost, $7,000,000
LOS ANGELES, Cal. Fifth and Olive Streets
Reinforced concrete or brick hotel building.
Owner—Biltmore Hotel Co., Lee C. Phillips et al.
Architect — Leonard Schultze, Pacific Mutual Bldg., Los Angeles.
38765) 1st report Apr. 29; 2nd Nov.

LONG BEACH, Los Angeles Co., Cal. —Attorneys Rohe, Yakey & Devin, 1118 Citizens National Bank Bldg., Los Angeles, represent a syndicate forming a corporation to erect at $1,000,000 hotel on Ocean Blvd. at Cedar Way, the site

recently purchased from the Park View Land Co. Plans will be drawn by Spokane, Wash., architects. Incorporators include Mrs. V. S. Gundry, 202 W. Ocean Blvd., Long Beach; Richard Kane, A. W. Wakeman and M. W. Falls, Long Beach; L. S. Farmer, Los Angeles, and the owner of the Holliday and Carlisle Hotels, Spokane, Wash.

FALLON, Nevada—Chamber of Commerce will appoint committee to organize business men to finance construction of a $250,000 hotel building. J. W. Flood heads the movement.

POWER PLANTS

EL DORADO COUNTY, Cal.—The El Dorado Power Company has been granted permission by the Federal Power Commission to develop a 4-stage 100,000 horsepower hydro-electric project on the south fork of the American river, in the vicinity of Placerville. The plan includes enlargement of the "El Dorado ditch," twenty-five miles in length, to a flow capacity of 350 cubic feet per second, as against its present forty cubic feet, and operation of turbines under a 1900-foot head. The El Dorado Power Company, which is a subsidiary of the Western States Gas and Electric Company, plans after enlargement of the canal, to provide for conducting the water through a three-mile conduit to the penstocks which supply the turbines to be located in a power house on the American River, about one mile below the mouth of Silver Creek. The turbines will operate under a head of 1,900 feet. The project includes six storage reservoirs on the headwaters of the American River, with an ultimate capacity of 90,000 acre-feet. Three of the reservoirs, to the capacity already constructed, are included in the license for Project No. 78, which was recently issued to the Western States Gas and Electric Company.

STOCKTON, San Joaquin Co., Cal.—Western States Gas and Electric Co., Elks Bldg., Stockton, planning to start work on development of 90,000 acre-feet of storage on watershed on the South Fork of the American river in El Dorado, Alpine and Amador counties and the construction of new power plants near Placerville. The program of work to be undertaken this Spring and concluded before January 1, 1924, includes:

1—Construction of new power house in canyon of South Fork of American River above Placerville and near Camino. Two units, each developing 10,000 kilowatts or a total of more than 26,000 horsepower, are to be installed. Eventually other units will be added, bringing the total capacity of the plant to 80,000 horsepower.

2—Enlarging and lining of twenty-five miles of the El Dorado ditch from the Forebay above new power house to point on American River near Kyburz, just below mouth of Silver Creek, which carries the water of Twin (Caples) and Silver Lakes into the American.

3.—Construction of penstocks. The water wheels in the power house will operate under a 1900-ft. drop, which will make this one of the high head plants of the country.

4—Enlargement of Twin Lakes to create 16,000 acre feet of storage.

5—Construction of diversion dam in the South Fork of the American River at head of El Dorado ditch, just below Kyburz.

6—Construction of double transmission line to connect new plant with present transmission system.

LOS ANGELES, Cal.—Shattuck Construction Co., Marsh-Strong Bldg., negotiating with the Sespe Light & Power Co. for financing and building the Hammel dam and power plant, Bradfield dam and main power plant and an auxiliary power plant under the Bradfield dam. Present plan is to issue bonds through a holding company, the construction company to acquire an interest in the properties. The Hammel dam will be 240 ft. high and the Bradfield dam will also be 240 ft. high. The former will impound 11,000 acre ft. water and power plant will develop 7000 H. P. The latter will impound 40,000 acre ft. and main power plant will develop 9500 H. P. and auxiliary plant 4500 H. P.

PUBLIC BUILDINGS

Plans Being Figured—Bids Close Mar 7, 10 A. M.
LIBRARY, Cost, $——
LIVINGSTON Merced Co., Cal.
Branch County Library.
Owner—County of Merced, P. J. Thornton, Clerk, Merced, Cal.
Architect—Plans by County Surveyor A. E. Cowell, Merced, Cal.
Plans may be had from the clerk.

Plans Being Figured—Bids Close Mar. 13, 10 A. M.
BUILDING Cost, $——
BAKERSFIELD, Kern Co., Cal.
Erecting frame building at U. S. Experimental Farm, near Shafter.
Owner—County of Kern, F. E. Smith, county clerk.
Architect—Chas. H. Biggar, First National Bank Bldg., Bakersfield.
Plans may be had from county clerk at Bakersfield.

SACRAMENTO, Cal.—Following bids received by the State Department of Public Works, Division of Architecture, for various segregations of work on the Capitol Extension buildings at Sacramento:

Excavating Work

Geo. Pollock Co., Sacto. (low)	$18,440
Matthews Constr. Co., Sacto.	29,587
McGilvray Constr. Co., S. F.	37,150
Robt. Trost, S. F.	28,985
C. Miles	27,660

Steel and Iron Work

Dyer Bros. Golden Gate Iron Works	$234,000
Omaha Steel Co.	248,490
Pennsylvania Bridge Co.	314,780
Judson Mfg. Co., S. F.	230,775
Jas. Burke Iron Works	257,476
Cal. Steel Co., Inc.	257,000
Minneapolis Steel & Mchy. Co.	284,950
Willis B. Kyle Steel & Iron Wks.	229,977
U. S. Steel Products, Rialto Bldg., S. F.	225,500
Palm Iron Works Sacto.	216,850

Brick Work

W. G. Reed (low)	$154,421
White & Gloor, S. F.	197,600
Hock & Hoffmeyer, S. F.	229,750
Matthew Constr. Co., Sacto.	169,718
Mealy & Collins, S. F.	178,000
Clinton Constr. Co., S. F.	166,000
Larsen & Sigrist, S. F.	168,777
Harold Larsen, S. F.	190,000

Tearra Cotta

Gladding, McBean, Crocker Bldg., San Francisco (a) $220,000, (b) $15,200.
N. Clark & Sons, 116 Natoma St., San Francisco (a) $225,370; (b) $15,178.
Matthews Constr. Co. (a) $225,000; (b) $15,840.

Granite

McGilvray Raymond Co., 634 Townsend St., S. F. (a) $768,885; (b) $432,835, (c) $13,560.
Matthews Constr. Co., Sacto. (a) $839,165; (b) $59,000; (c) $552,000.

Concrete and Piling

J. M. McLaughlin, San Francisco (1) $——; (2) alternate, $389,900.
McGilvray Constr. Co., Sacramento (1) $427,650; (2) $419,900.
Robt. Trost, San Francisco (1) $——; (2) $415,715.
W. G. Reed (1) $486,471; (2) $486,471.
Clinton Constr. Co., San Francisco (1) $397,800; (2) 391,100.
Matthews Constr. Co., Sacramento (1) $447,185; (2) $96,000 (piling).
K. E. Parker, San Francisco (1) $[illegible]; (2) $369,900.

Cut Cast Granite

Ben diet Stone Corp. (a) $380,100; (b) $397,000.

Combination Bid—Brick, Concrete, Excavating, Terra Cotta, Granite

Matthews Constr. Co., Sacto. $1,195,751

YREKA, Siskiyou Co., Cal.—City Trustees planning construction of a municipal swimming pool on property north of the city hall.

OAKLAND, Cal.—Bids were received by Chas. S. Greene, Secretary of the Board of Library Directors of the City of Oakland, for cleaning and painting the Oakland Free Library Building at 14th and Grove Sts. Contract will probably be awarded at meeting held evening of Feb. 14, to low bidder:

R. Zelinsky, 180 Jessie St., S. F.	$ 885
H. McManus	925
Martin L. & Jacob Cramer	1165
Wm. McDougal	1450
J. C Hogan	1750
J. A. Turgeon	1787
T. Stallard	1800
Eastern Decorating Co.	1950

SAN FRANCISCO—Until March 2, 2.30 P. M., bids will be received by J. H. Zemansky, Registrar of Voters, for furnishing shelving for Registrar's office in city hall. Specifications will be furnished on request.

BERKELEY, Alameda Co., Cal.—Council contemplates construction of annex for city hall building. E. M. Hann, city clerk.

MODESTO, Stanislaus Co., Cal.—Stanislaus County Grand Jury recommends the construction of a modern county courthouse.

FRESNO, Fresno Co., Cal.—Fresno Labor Council urges city council to order construction of municipal swimming pool. Plans for the pool have already been prepared.

RESIDENCES

Contract Awarded.
RESIDENCE Cost, $20,000
SAN FRANCISCO. Pacific Ave. between Steiner and Fillmore.
Three-story and basement frame residence.
Owner—Mrs. Sidney Lippett, 726 Market St., San Francisco.
Architect—Milton Latham, 454 Montgomery St., San Francisco.
Contractor—O. W. Britt, 1257 Arguello Blvd., San Francisco.

Contract Awarded.
RESIDENCE Cost, $7[illegible]
SACRAMENTO, Cal. Forty-first and J Streets.
Two-story frame residence.
Owner—Ernest Symphy, 711 K St., Sacramento.
Architect — Frederick S. Harrold, Peoples Bank Bldg., Sacramento.
Low Bidder—Herndon & Finnegan, Sacramento.
Other bidders were W. Chillerton, $7883 and G. B. Stahl, $9,280.

Plans Being Figured.
BUNGALOWS Cost, $3500 each
SAN FRANCISCO. Sunset and Richmond Districts.

Ten 1-story and basement frame bungalows (5 rooms and garage each)
Owner—Cryder Home Building Co.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
This is the first group of about 30 bungalows to be erected. Figures are being taken for a general contract.

Contract Awarded.
RESIDENCE Cost, $27,000
SAN FRANCISCO. N Broadway 154-6 W Balboa.
Three-story and basement frame residence.
Three-story and basement frame residence.
Owner—Saretta B. Hindes.
Architect—None.
Contractor—San Francisco Bridge Co., Nevada Bank Bldg., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $12,000
SAN FRANCISCO. St. Francis Wood.
Two-story and basement frame and plaster residence.
Owner—Martin A. Roth.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

SCHOOLS

Plans Completed—Figures To Be Taken Next Week.
SCHOOL Cost, $480,000
BURLINGAME, San Mateo Co., Cal.
Two-story reinforced concrete high school building.
Owner—San Mateo Union High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

Plans Being Prepared.
SCHOOL Cost, $110,000
PARLIER, Fresno Co., Cal.
Two-story brick school.
Owner—Parlier School District.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.

Plans Being Prepared.
SCHOOL BLDGS. Cost, $660,000
LOS ANGELES CO. Glendale.
Group of reinforced concrete or brick high school buildings.
Owner — Glendale Union High School District.
Associate Architects—John C. Austin, Baker-Detwiler Bldg., Los Angeles, and Geo. M. Lindsay, 127 W-Broadway, Glendale.
A special election will be called to vote bonds for these buildings.

Plans Being Figured—Bids Close Feb. 28, 7:30 P. M.
SCHOOL Cost, $——
LOS ANGELES CO. Glendale.
One and two-story Class C intermediate school building, 169x96 (brick and terra cotta trim).
Owner—Glendale City School District Board of Education.
Architect—Alfred E. Priest, Fay Bldg., Los Angeles.
Segregated figures on general work, plumbing, electrical work, program clocks, fire alarm and heating.

Plans Completed—Figures To Be Taken Shortly.
SCHOOL Cost, $248,000
LOS ANGELES, Los Angeles Co., Cal. McKinley Ave.
Two-story and basement reinforced concrete and stucco administration building and auditorium 223x141.
Owner—Los Angeles Board of Education.
Architect—Train & Williams, Western Mutual Life Bldg., Los Angeles.

Preliminary Plans Being Prepared.
GYMNASIUM Cost, $198,000
TAFT, Kern Co., Cal.
Gymnasium building.
Owner—Taft Union High School District.
Architect—Orville L. Clark, Brown Bldg., Bakersfield.

Plans Being Figured—Bids Close Mar. 16, 7.30 P. M.
SCHOOL Cost, $——
BURLINGAME, San Mateo Co., Cal.
Two-story reinforced concrete high school.
Owner—San Mateo Union High School District, J. R. Murphy, Clerk, San Mateo.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Bonds of $360,000 voted to finance construction. **See call for bids under official proposal section in this issue.**

Final Plans Approved—Bids To Be Called For In About A Week.
SCHOOL Cost, $200,000
RICHMOND, Contra Costa Co., Cal. 9th and Bissel Ave.
One and three-story reinforced concrete and hollow tile junior high school 216x321.
Owner—City of Richmond School District.
Architect—Jas. T. Narbett, 910 Macdonald Ave., Richmond.

Plans Completed.
SCHOOL Cost, $104,000
LOS ANGELES, Cal. Raymond Avenue School.
Two-story reinforced concrete and brick grammar school.
Owner—City of Los Angeles.
Architect—Albert C. Martin, 430 Higgins Bldg., Los Angeles.

Low Bidders.
SCHOOL Cost, $——
PASADENA, Los Angeles Co., Cal. Andrew Jackson Grammar School.
Brick school, 231x164 (6 rooms and an auditorium).
Owner—Pasadena School District.
Architects—Marston & Van Pelt and E. W. Maybury, Associated, 600 Chamber of Commerce Bldg., Los Angeles.
The following are the lowest bidders: L. P. Pomeroy, 338 Chamber of Commerce Bldg., Pasadena, general construction, $75,959; Edward Roeth, 905 E. Colorado St., Pasadena, plumbing, $6367; Edward Roeth, steam heating, $7963; Pacific Gas Appliance Co., gas radiators, $2072; painting, Paul Schwenzfeier, 100 E. Colorado St., Pasadena, $3470; wiring, Miller Co., $1566.

Plans Being Figured—Bids Close Mar. 6, 7:30 P. M.
SCHOOL Cost, $40,000
PALO ALTO, Santa Clara Co., Cal. Middlefield Road.
One-story frame school (6 classrooms).
Owner—Palo Alto City School District, A. C. Barker, Secretary.
Architect — Chas. K. Sumner, 57 Post St., San Francisco.
See call for bids under official proposal section in this issue.

OAKLAND, Cal.—Petitions have been filed with the County Superintendent of schools seeking formation of the Amador Valley Union High School District. Should the district be formed an election will be held to vote bonds of $60,000 for a new school.

SAN FRANCISCO—Education, Parks and Playgrounds Committee of the Board of Supervisors will recommend that $1,000,000 be provided in the 1922-23 budget for the construction of a new Mission high school to replace the structure destroyed by fire. John Reid, Jr., First National Bank Bldg., city architect, will probably prepare the plans.

SAN FRANCISCO—James Smith, 180 Jessie St., at $37,650, submits low bid to Board of Public Works for plastering Mission High School addition at 18th and Dolores streets. Other bidders: Francis Reilly, $44,660; J. Greenback, $39,725; A. Knowles, $43,500. John Reid, city architect.

REEDLEY, Fresno Co., Cal.—Until Feb. 24, 8 P. M., bids will be received by Marion Deneen, clerk, Reedley Joint Union High School District for erecting grandstand and constructing running track on athletic grounds of high school. Plans may be had from clerk at Reedley National Bank.

SACRAMENTO, Cal.—Board of Education accepts bids of C. F. Weber Co. and Wood Renovating Co. for furnishing and installing approximately 800 school desks.

LOS ANGELES, Cal.—R. H. Whinery, Delta Bldg., was low bidder at $66,500 on the general contract for the new school building at Selma Ave. school site; Mott M. Marston, is the architect. Low bidders on other contracts were: D. Zelinsky & Sons on painting at $2516; American Electric Constr. Co. on wiring at $2386; W. S. Goodrich on plumbing at $5021; and Frank Davidson, 611 Wesley Roberts Bldg., on heating at $4440.

FRESNO, Fresno Co., Cal.—March 1 is the date set to decide on formation of the union high school district in the mountains northeast of Fresno. Should the district be organized an election will be called to vote bonds of $16,000 to finance construction of a new school.

STORES AND OFFICES

Plans Being Figured.
OFFICE BLDG. Cost, $400,000
LOS ANGELES, Cal. SW Eighth and Spring Sts.
Twelve-story and basement Class A store and office building, 50x155.
Owner—C. H. Price and W. W. Paden, Story Bldg., Los Angeles.
Architect—L. L. Smith, Higgins Bldg., Los Angeles.
Bids are being submitted by selected contractors.

Plans Being Prepared.
STORES & OFFICES Cost, $40,000
PALO ALTO, Santa Clara Co., Cal. University Ave. and Bryant St.
Two-story reinforced concrete stores and offices.
Owners—Ralph Follmer and O. O. Rhodes.
Architectural Designer—Ralph W. Follmer, 465 Lytton Ave., Palo Alto.

Plans to be Figured Next Week.
STORES Cost, $200,000
OAKLAND, Alameda Co., Cal. W Telegraph Avenue between 19th and Williams Streets.
Two-story reinforced concrete stores and market building, 176x300.
Owner—Norman de Vaux, Foothill Blvd. and 62th St., Oakland.
Architect—Maury I. Diggs, 1108 Easton Bldg., Oakland.

Plans Being Figured.
STORES Cost, $45,000
BURLINGAME, San Mateo Co., Cal. Burlingame Avenue.
One-story reinforced concrete (3) stores, 100x80.
Owners—Jas. Lawrence, E. C. Douglas and O. J. Williams, Burlingame.
Architects—Edwards & Kuhn, 833 Market St., San Francisco.

To Be Done By Day's Work.
STORES Cost, $15,000
SAN FRANCISCO. Turk near Taylor.
One-story and basement Class C (2) stores.
Owner—H. B. Allen, % Architect.
Architect—Earle & Co., 168 Sutter St., San Francisco.

Plans Completed — Figures To Be Taken Next Week.
ALTERATIONS Cost, $100,000
STOCKTON, Cal. SE Main and Hunter.
Alter four-story store and office building (new interior store fixtures, etc.).
Owner—N. Levi & Bro.
Architect — Bernard J. Joseph, Call Bldg., San Francisco.

Site Purchased For Office Building.
OFFICE BUILDING Cost, $——
LOS ANGELES. SW 9th and Hill Sts.
Twelve-story Class A office and store building 45x155.
Owner—R. E. Miller, Mgr. Owl Drug Co., San Francisco.

Plans Being Prepared.
MARKET BUILDING Cost, $——
OAKLAND. 19th and Broadway.
Two-story reinforced concrete market building.
Owner—L. M. Tapscott.
Architect—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

Plans Being Prepared.
ALTERATIONS Cost, $40,000
SACRAMENTO. Cal. 918 K Street.
Extensive alterations to first floor of three-story brick hotel building for candy store and cafe.
Owner—Wm. Trust.
Architect—E. C. Hemmings, Ochsner Bldg., Sacramento.

Contract Awarded.
ALTERATIONS Cost, $25,000
SACRAMENTO, Cal. Corner Seventh and K Streets.
Extensive alterations to first floor and show windows of department store.
Owner—Bon Marche (C. P. Nathan & Sons).
Architect — E. C. Hemmings, Ochsner Bldg., Sacramento.
General Contractors—Siller Bros., 1614 13th St., Sacramento.
NOTE—The fixture work will be done by L. & E. Emanuel Co., Inc., 1530 Filbert St., San Francisco.

Plans Completed—To be Done by Day's Work.
STORE Cost, $30,000
FULLERTON, Orange Co., Cal.
One-story brick store building, 50x135.
Owner—"Pacific 5c to 25c Stores."
Architect— Henry Shermund, Hearst Bldg., San Francisco.

Grading Contract Awarded—Sub-figures Being Taken.
STORE BUILDING Cost, $50,000
SAN FRANCISCO. SW Sutter and Mason.
Two-story basement and mezzanine floor class C store and loft building.
Owner—Proctor & Chamberlain.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Grading Awarded to Carlin Grading Co, 180 Jessie St., San Francisco.

THEATRES

Contract Awarded—Contractor Taking Sub-figures.
THEATRE Cost, $525,000
OAKLAND. E Broadway 150 N 17th.
Three-story reinforced concrete theatre office and store building.
Owner—Broadway Building Co.
Lessee—Fox Film Corporation.
Architects—M. I. Diggs, Easton Bldg., Oakland, and Weeks & Day, Phelan Bldg., San Francisco.
Contractor—MacDonald & Kahn, 130 Montgomery St., San Francisco.

FRESNO, Fresno Co., Cal. —The Fresno Junior Dramatic Club, whose purpose is to erect a $100,000 "Junior Theatre," is being organized in Fresno. It is proposed to erect a structure with a seating capacity of 1000 and 75 by 150 feet in size. Officers of the club are: Willis Slater, president; Edwin P. Chambers, vice-president and Linton Eccles, secretary.

AMERICAN PLAN SUCCESSFUL IN LOS ANGELES

Speaking of the American Plan of Employment in Los Angeles, W. T. Bishop, First Vice President of the Chamber of Commerce of that city, says:

"In my opinion, the American Plan in industry has been one of the main factors in the industrial and commercial development of Los Angeles. The plan of open shop as applied here and its principles provide no discrimination in employment between union and non-union men, for the payment of a fair wage based upon individual efforts of efficiency and ability, with working conditions fair and just to all concerned. We believe in the right of working men to unionize, provided they do not interfere with the rights of the employers, or of those who do not belong to the unions. Building permits in Los Angeles for 1921 amounted to $87,000,000, and over $8,000,000 for January, 1922. This community is pledged to the American Plan and has been progressing under those conditions for more than 20 years."

SANTA CRUZ PORTLAND CEMENT COMPANY SEEKS DAMAGES

One of the most important damage actions in the Superior Courts in Santa Clara county opened recently when the case of the Santa Cruz Portland Cement Company against Santa Clara county, the Bernard Ransome Company and the Garden City Bank and Trust Company, in which the plaintiff corporation seeks $47,212.81 in damages, started before a jury in Judge J. R. Welch's department of the Superior Court.

The case promises to be one of the most bitterly contested in some time and a battery of prominent attorneys are arrayed against each other in the legal fight.

The plaintiffs seek $23,575.05 from Santa Clara county, alleging this amount to be due on the highway and bridge construction work on Fremont avenue, near Los Altos, and further seek a deficiency claim of $23,637.76 and costs of suit against Ransome and the Garden City Bank and Trust company.

The Santa Cruz Portland Cement Company contends that Bernard Ransome assigned the $63,000 contract returns due on the highway construction work to the Garden City Bank people and that the latter agreed to pay for labor and material used in said construction work. The plaintiff contends to have furnished 7552 barrels of cement, valued at $23,637.76, which they claim has not been paid for.

Colorado has the highest broad-gauge railroad and the highest skyline auto-drive in the United States, at an altitude approximating 12,000 feet.

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Official Proposals

NOTICE TO CONTRACTORS

SUTTER COUNTY HIGHWAY SYSTEM

SEALED PROPOSALS will be received at the office of the Clerk of the Board of Supervisors, Hall of Records, Yuba City, California, **until 10 o'clock A. M., on Tuesday, March 7th, 1922,** for the construction of, or furnishing materials for the following named highways:

ENGINEER'S ESTIMATE

I.

MERIDIAN-KIRKSVILLE ROAD—First Street, Meridian, to be paved with Reinforced Concrete 15 feet wide and 5 inches thick; length, 0.38 of a mile.

Item 1.—7938 sq. yds. Grading.

Item 2.—463 cu. yds. Reinforced Concrete Pavement.

(The Contractor is to furnish all materials).

II.

LONG BRIDGE-TARKE ROAD—To be constructed of Butte House Rock 15 feet wide and 6 inches thick; length, 2.55 miles.

Item 1.—6,000 cu. yds. Excavation.

Item 2.—100 lin. ft. Culvert Pipe.

Item 3.—4 cu. yds. Concrete Headwalls.

Item 4.—5,000 cu. yds. Butte House Rock.

Item 5.—200 lin. ft. Guard Rail.

(The County will furnish Culvert Pipe.)

III.

KNIGHTS LANDING-KIRKSVILLE ROAD—Materials to be furnished by the County.

8,000 barrels Portland Cement.

Item 1.—Price, f. o. b. cars, Knights Landing, Calif.

Item 2.—Price f. o. b. cars, Maddock, Calif.

Item 3.—Credit, empty sacks returned.

Item 4.—Discount, payment in 10 days.

Plans and specifications may be obtained at the office of the Engineer of the Sutter County Highway System, Court House, Yuba City, California. A deposit of $10 will be required on each set, to insure return of same within 10 days after bids are accepted.

The Board of Supervisors reserves the right to reject any or all bids or to accept the bid deemed best for the interest of the County.

OSCAR W. LANZENDORF,
Engineer Sutter County Highway System.
BOARD OF SUPERVISORS SUTTER COUNTY
By A. E. SCHELLENGER, Chairman.
Attest: ALBERT B. BROWN, Clerk.
Yuba City, Calif., February 7, 1922.

NOTICE INVITING BIDS OF MATERIALMEN

(Pipe and Fittings)

Notice is hereby given that sealed bids will be received by the Clerk of the Board of Trustees of the City of Corcoran, County of Kings, State of California, at the City Hall in the City of Corcoran, County and State above named, **up to and until the hour of 2 o'clock P. M. of February 24th, 1922,** for the following

450 feet of 8-inch Class "B" Cast Iron, Bell and Spigot Water Pipe; (This to be in 16 foot lengths).

2100 feet of 6-inch Class "B" Cast Iron, Bell and Spigot Water Pipe. (This to be in 16-foot lengths.)

"Extras," such as Crosses, Tees, and Leads—submit price on from 1000 pounds up.

The above quantities may vary at least 10 per cent above or below the above amount.

All bids must state f. o. b. Corcoran.

Each bid must be accompanied by a certified or cashier's check in a sum not less than 10 per cent of the amount bid payable to the City of Corcoran, as evidence of good faith on the part of the bidder.

The Board of Trustees of the City of Corcoran reserves the right to reject any and all bids, or to accept the bid considered by them best for the said City of Corcoran.

Corcoran, Calif., February 10th, 1922.

(Seal) G. G. AMIRAUX,
Clerk of the City of Corcoran, County of Kings, State of California.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received by the undersigned, **until 2 o'clock P. M., March 6, 1922,** for constructing a portion of the State Highway System in Washoe County, between Reno and Purdy, work consisting of grading and construction of culverts.

Plans may be examined and form of proposal, contract and specifications secured at office of undersigned; may also be examined at the County Clerk's Office in Reno. Cash deposit of $15 with undersigned required for copy of plans, which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department, and must be accompanied by a certified check in the amount of 5% of the bid.

Each bidder must accompany his bid with a certificate from a surety company, duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and specifications.

Right is reserved to reject any or all bids.

GEO. W. BORDEN,
State Highway Engineer, Carson City, Nevada.

> A call for bids published in this section indicates that bids are desired from other than local bidders. Maximum competition is desired, and this is assured through BUILDING AND ENGINEERING NEWS which reaches every worth-while contractor and materialman in Central and Northern California who bids on public work.
>
> **Rate:** 10 cents per line, per insertion.
>
> All official calls for bids of the California State Highway Commission and Nevada State Highway Commission are published in this section.

NOTICE FOR BIDS FOR EXTENSION OF MAINS OF THE PARADISE IRRIGATION DISTRICT

SEALED PROPOSALS will be received by the Board of Directors of the Paradise Irrigation District at their office at Paradise, Butte County, Calif., **until 10 o'clock A. M., on Tuesday, the 7th day of March, 1922,** at which time the said bids will be opened, for the following items or any part or parts thereof:

No. 1.—4900 ft. 18x28 trench and back fill.

No. 2.—8200 ft. 14x24 trench and back fill.

No. 3.—13,119 ft. wood stave pipe and fittings in accordance with specifications.

No. 4.—600 ft. standard wrought iron pipe and fittings and accessories in accordance with specifications.

No. 5.—Hauling of all pipe and fittings.

No. 6.—Laying of all pipe and fittings.

Plans and specifications may be seen at the office of said Board and copies may be obtained from L. M. Edwards, Superintendent.

The right is reserved to reject any and all bids, or to accept the bid or bids which are deemed to be to the best interests of the District.

By order of the Board of Directors of the Paradise Irrigation District; dated Feb. 7th, 1922.

L. M. EDWARDS,
Superintendent.
G. C. BILLE,
Secretary.

NOTICE TO BIDDERS

(Reno, Nevada, Paving)

NOTICE IS HEREBY GIVEN That the City Council of the City of Reno, Nevada, invite and will receive sealed bids **up to 8 o'clock P. M., Monday, the 13th day of March, A. D., 1922,** at the office of City Clerk, for the paving of certain designated streets in the City of Reno, Nevada.

The work to be done consists of the following estimated quantities:

55,756 sq. yds. or more of three and one-half (3½") inch asphaltic concrete base with one and one-half inch (1½") bituminous wearing surface.

28,628 sq. yds. or more of two inch (2") bituminous wearing surface on existing rock macadam base.

Copies of the specifications may be obtained from Harry Chism, City Engineer, upon the deposit of five ($5.00) dollars; said money to be returned if the specifications are returned within five (5) days after the award of the contract.

Plats and plans may be seen and examined at the office of the City Clerk or the City Engineer.

Each bid must be accompanied by a check, payable to the city of Reno, certified by a responsible bank, for an amount not less than ten (10 per cent) per cent of the aggregate of the bid.

For further information inquire in writing to the City Engineer.

The City Council reserves the right to reject any and all bids.

Dated at Reno, Nevada, this 15th day of February, A. D., 1922.

J. B. REESE,
City Clerk and Clerk of the City Council of the City of Reno.

NOTICE TO CONTRACTORS FOR CONSTRUCTION OF NEW SCHOOL BUILDING

(One-story Frame Six-room Structure, Estimated Cost, $40,000)

The Board of Education of the City of Palo Alto and the Palo Alto City School District in the County of Santa Clara, State of California, invites and will receive at its office, 543 Channing Avenue, Palo Alto, California, **up to the hour of 7:30 P. M., March 6, 1922,** at which time and place said bids will be opened, sealed proposals for furnishing all the necessary materials, tools, and labor for constructing a school building in Blocks 103 and 104 on Middlefield Road, City of Palo Alto, to be completed by August 15, 1922, in accordance with plans and specifications and conditions adopted by said Board of Education on February 11, 1922, and now on file in the office of the said Board of Education, 543 Channing Ave., Palo Alto, California.

Copies of said plans and specifications and conditions may be obtained from the office of Charles K. Sumner, 57 Post Street, San Francisco, California, upon depositing the sum of Ten ($10.00) Dollars, and must be returned within five days or the said deposit may be forfeited and turned into the treasury of the said Board of Education.

Bids must be on blank forms furnished by and obtained from said Charles K. Sumner. Work on the above contract must commence within 48 hours from notification of the Board of Education to commence said work, and be diligently prosecuted until completion thereof, unless otherwise ordered by said Board of Education and the Architect.

All bids must be accompanied by a cash deposit or a certified check on a responsible bank and payable to the Board of Education for an amount equal to ten (10%) per cent of the amount of the bid.

If the bidder to whom the contract is awarded shall for five (5) days after such an award fail or neglect to enter into a contract and file the required bonds for the faithful performance of the contract and the furnishing of materials and labor, the cash deposit or certified check of said bidder may be declared forfeited to the Board of Education and shall be collected and paid into the General Fund of said Board of Education.

The Board of Education reserves the right to reject any and all bids.

By order of the Board of Education of the City of Palo Alto, County of Santa Clara, State of California.

A. C. BARKER,
Secretary of said Board of Education.
Palo Alto, Calif.
February 15, 1922.

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN That the Board of Trustees of the San Mateo Union High School District, San Mateo County, California, hereby calls for sealed proposals to be delivered to the Clerk of the Board at the High School, San Mateo, California, **until the 16th day of March, 1922, at 7.30 P. M. of said day,** for the erection and construction of a High School Building to be erected in the above Union High School District at Burlingame; all in accordance with plans and specifications made for same by W. H. Weeks, the authorized Architect, employed by the Board.

Bids will be received on the General Contract and other branches segregated as follows:

(1) General Contract and its alternate proposals, including all branches of the work included in specifications except the following branches which will be bid upon separately:
(2) Finish Hardware.
(3) Blackboards.
(4) Composition Roofing.
(5) Terra Cotta Tile Roofing.
(6) Window Shades.
(7) Cork Carpet.
(8) Electrical Work.
(9) Plumbing Work.
(10) Painting Work.
(11) Heating and Ventilating.

Plans and specifications may be seen at the office of the Clerk of the Board in the High School, San Mateo, between the hours of 9.00 A. M. and 3.00 P. M. any day except Saturday, Sunday or Holidays; or at the office of the Architect, W. H. Weeks, 369 Pine Street, San Francisco, California, during office hours.

On a deposit of Twenty Dollars ($20.00), a complete set of plans and specifications for any portion of the work may be had by any prospective bidder, to be retained until bids are opened, if desired. If not returned within said period, or if mutilated, the said deposit may be retained by said High School District as agreed and liquidated damages for said multilation or detention.

Bids must be made on proposal blanks obtained at the office of the Architect, and signed by the Bidder, accompanied by check for at least Ten Per Cent (10 per cent) of the amount bid, certified to by some responsible bank or banker and made payable to Board of Trustees of the San Mateo Union High School District, to be retained by said High School District as agreed and liquidated damages should party or parties to whom Contract shall be awarded, fail to enter into Contract after the award or to give bonds for the faithful performance of the Contract or any bonds required by law.

Bids will be opened by the Board of Trustees of the San Mateo Union High School District on the 16th day of March, 1922, at the hour of 7.30 P. M., at the office of the Clerk of the Board, High School Building, San Mateo, California.

The Board reserves the right to reject any or all bids, or any or all items of such bids.

Dated at San Mateo, California, February 14, 1922.

J. R. MURPHY,
Clerk of the Board, San Mateo Union High School District.

BIDS WANTED FOR EXCAVATING, ETC.

NOTICE TO CONTRACTORS

Office of the Clerk of the Board of Supervisors, Alameda County, California.

Sealed bids will be received by the Clerk of the Board of Supervisors of Alameda County, at his office, **until Monday, March 13th, 1922, at 10 A. M.** (the day when said bids will be opened and the contract awarded) for certain work to be done at the County Hospital, consisting of two departments as follows:

Department No. 1—Excavating and grading for Alameda County Hospital.

Department No. 2—Housemoving, underpinning, concrete foundations, etc., and concrete oil tank for the Alameda County Hospital.

Complete plans and specifications for work on file in the office of the County Clerk in the Hall of Records Building in Oakland, where copies may be obtained by depositing ten dollars. Contracts will be restricted as to the length of time these plans may be retained to ten days. Contractors failing to return said plans and specifications within said time limit will forfeit their deposit.

Each bid must be accompanied by a check for at least ten per cent of the amount of the bid or proposal, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board, to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or to give the bond required by the Board for the faithful performance of the Contract.

(SEAL) GEO. E. GROSS,
Clerk of the Board of Supervisors of the County of Alameda.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

Job N. 8.

Office of the Secretary of the Board of Education of the City of Oakland.

Sealed bids will be received by the Acting Secretary of the Board of Education of the City of Oakland, at his office at the City Hall, Oakland, California, **until Monday, the 27th day of February, 1922, at 3 o'clock P. M.** on said day, the day when said bids will be opened, for the erection and completion of New Buildings for the ALEXANDER HAMILTON SCHOOL of the Oakland School District and Oakland High School District, located at Galindo Street and 35th Avenue, Oakland, California.

Separate bids will be received for
(1) Carpentry work, Excavation and Concrete work, Miscellaneous Iron, Sheet Metal, Built-up Roofing and Tile Roofing.
(2) Brick work.
(3) Plastering and Lathing
(4) Painting.
(5) Steel lockers.
(6) Yard work.
(7) Plumbing work.
(8) Heating and Ventilating work
(9) Electrical work.

Plans and specifications for said work are on file at the office of the Acting Secretary of the Board of Education, and at the office of the Chief of Construction, 357 12th Street, Oakland, California.

On a deposit of Twenty-five ($25) Dollars complete sets of said plans and specifications may be had by any prospective bidder. These may be retained for a period of ten (10) days by the Carpentry Contractor, and for a period of four (4) days by the Brickwork, Plastering, Painting, Steel Lockers, Yard work, Plumbing, Heating and Ventilating, and Electrical Work Contractors. If these plans and specifications are not returned within said period, or if they be mutilated, the said deposit may be retained by said School Districts as agreed and liquidated damages for said detention and mutilation.

Bid must be made on proposals obtained at the office of the Chief of Construction, and be signed by the bidder, accompanied by a certified check for at least ten (10%) per cent of the amount of the bid or proposal, certified to by some responsible bank or banker, and made payable to "N. W. Cook," the Acting Secretary of the Board of Education, to be retained by the said School Districts as agreed and liquidated damages should the party or parties to whom the contract should be awarded fail to enter into the contract after the award, or to give bonds required for the faithful performance of the contract, or any bond required by law.

Bids will be opened by the Board of said Districts on the 27th day of February, 1922, at the hour of 5 P. M., in the Board Room, 211 2nd Floor of said City Hall, in said City of Oakland. The Board reserves the right to reject any or all bids or any or all items of such bids.

N. W. COOK,
Acting Secretary of the Board of Education.

BIDS WANTED FOR SCHOOL BUILDING

NOTICE TO BIDDERS

NOTICE IS HEREBY GIVEN That sealed bids will be received **up to and opened at 7.30 P. M., on the 25th day of February, 1922,** at the Sonoma Valley Union High school building, Sonoma, California, for the erection and completion of a two-story concrete high school building according to plans and specifications prepared by W. H. Weeks, the authorized architect, employed by the Board of Trustees.

Separate bids will be received on the General Contract and on the Heating System as called for in the specifications. Each bid must be accompanied by a certified check of 5 per cent of the amount of the bid, check to be made payable to Dr. W. B. Hays, Clerk of the Board of Trustees and certified to by some responsible banking institution.

Bids must be made out on blank forms supplied by the architect. The plans and specifications may be seen in the office of the Clerk of the Board, at the high school building, Sonoma, California, or may be obtained from the architect, W. H. Weeks, 369 Pine St., San Francisco, California. A deposit of $20.00 will be required for plans loaned out.

The sealed bids accompanied by the certified check should be mailed or delivered to Dr. W. H. Hays, Sonoma, California.

The Board of Trustees reserves the right to reject any and all bids.

GEORGE H. CASSIDY, President.
DR. W. B. HAYS Secretary.
FREDK HELBERG,
THOMAS JOHNSON,
L. M. FISH,
Board of Trustees of Sonoma Valley Union High School District.

CALIF. STATE MINING BUREAU TO ISSUE PUBLICATION

A monthly publication entitled Mining in California will be issued by the California State Mining Bureau, beginning with the January 1922 number just off the press. The publication will be devoted to the stimulation of interest in California's mineral industry.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

CALIFORNIA—Enlargements of reservoirs, additions to the height of dams and erection of new dams and waterways, involving an expenditure of $1,670,000 is planned by the Pacific Gas and Electric Co., 445 Sutter St., San Francisco. The largest single development, for which application has been made to the State Water Commission, is for the diversion of 26,670 acre ft. annually from Fordyce creek, a tributary to the Yuba river; estimated cost, $745,000. Nearly 6000 acre feet are asked to be diverted from Butte creek and 9412 acre feet are sought from the north fork of the Mokelumne river; improvements on both, including dam, estimated to cost, $610,000. Other improvements: diversion of 3700 acre feet from Feather river, $182,000; 5060 acre feet from Philbrick creek, $134,000; 50 acre feet from North Butte creek, $25,400; 100 acre feet in Placer county for use in Halsey and Wise power plants.

BLYTHE, Riverside Co., Cal.—P. B. Engh, Pacific Electric Bldg., Los Angeles, submits low bid at 22c cu. yd. for constructing levees for Palo Verde Joint Levee District, involving about 218,687 cu. yds. excavation and embankment.

LOS ANGELES, Cal.—Until 11 A. M., March 14, bids will be received by supervisors for constructing timber bridge over San Gabriel river on Anaheim St.; will consist of six 19-ft. spans with creosoted piles, creosoted sheet pile abutments and wood deck.

PLACERVILLE, El Dorado Co., Cal. Until March 8, 2 P. M., bids will be received by supervisors for constructing reinforced concrete bridge over south form of American river, at Chili Bar site, 3 miles from Placerville, involving 775 cu. yds. concrete and 15 tons of steel-rock foundations; estimated cost, $25,000. Plans may be had from (Designing) Engineer J. B. Leonard, 57 Post St., San Francisco. Henry Lahiff, county surveyor.

OROVILLE, Butte Co., Cal.—Until March 7, 2 P. M., bids will be received by Supervisors for constructing bridge over Mud creek on Cohasset and Richardson Springs road, at Station 274 plus 00. Harry H. Hume, county road engineer.

IRRIGATION PROJECTS

MADERA, Madera Co., Cal.—Engineers Quinton, Code and Hill of Los Angeles, have been retained by the directors of the Madera Irrigation District to prepare plans and specifications for the dam and power houses included in the project. The district plans to appoint a power engineer to study the power distribution possibilities. Stephens and Coons of Portland, Ore., and H. D. Butler of San Francisco, have filed application for the position.

REDMOND, Ore.—Until Feb. 25, 2 P. M., bids will be received by Crook County Improvement District No. 1, Redmond National Bank Bldg., for constructing ditches, flumes, pipe lines and pumping plant. Quantities involved are 16,600 cu. yds. canal excavation; 100 M. B. M. of lumber in structures; 80 cu. yds. of concrete in structures; 1 cable suspension bridge, 220 ft. in length; 2470 lin. ft. of 30-in. wood stave pipe; 2250 lin. ft. of 40-in. wood stave pipe (alternate); 170 lin. ft. of 20-in. wood stave ippe; 1400 lin. ft. of 10-in. wood stave pipe; one pumping plant complete with 12-in. electric driven centrifugal pump, etc. Baar & Cunningham, engineers, Spalding Bldg., Portland, Ore.

FRESNO, Fresno Co., Cal.—I. Teilman, Fresno, engr. for Mendota Irri. district has prepared plans for irrigation works for the district. These provide for about 26½ mi. of canals and three booster pumping stations to deliver water to highest point for distribution by gravity. Water from Fresno slough will be supplemented by 150 wells with electric pumps. A bond issue for construction of works will be submitted in about six or eight months.

PARADISE, Butte Co., Cal.—Until March 7, 10 A. M., bids will be received by G. C. Bille, secretary Paradise Irrigation District, for furnishing and delivering wood stave pipe and wrought iron pipe and fittings, and for certain trenching work. **See call for bids under official proposal section in this issue.**

LIGHTING SYSTEMS

MERCED, Merced Co., Cal.—Until March 6, 10 A. M., bids will be received by P. J. Thornton, county clerk, for installing 24 single lamp, electroliers with underground conduit system on courthouse grounds. A. E. Cowell, county surveyor.

PASADENA, Los Angeles Co., Cal.—City Directors adopt specifications for ornamental lighting system on Grand Ave. from Colorado to California Sts., including reinforced concrete posts, conduits, lamps, wires and all appurtenances.

Engineers and Contractors
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We are California Factory Distributors for
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We are at your service
E. D. BULLARD
268 Market St., San Francisco
Phone Douglas 1118

MADERA, Madera Co., Cal.—Engineers of Pacific States Gas Co., conferring with city trustees regarding installation of electrolier system; estimated cost $1,600 a block, 8 standards to block. Frank Nikerk, city engineer.

CHICO, Butte Co., Cal.—Until Feb. 21, 8 P. M., bids will be received by Ira R. Morrison, city clerk, for installing electrolier system; estimated cost, $10,000. Frank S. Robinson, city engineer.

MACHINERY

CORCORAN, Kings Co., Cal.—Until Feb. 24, 2, P. M., bids will be received by City Clerk for furnishing and delivering water pipe and fittings. **See call for bids under official proposal section in this issue.**

SAN ANSELMO, Marin Co., Cal.—Until March 6, 8 P. M., bids will be received by Aruthur Studley, town clerk, for furnishing and delivering one combination tar and gravel pot for use in repairing streets.

LOS ANGELES, Cal.—Until 3 P. M., March 3, bids will be received by Board of Public Service, 207 S Broadway, for suspension type insulators; Specification P-246. Jas. P. Vroman, secretary.

SAN FRANCISCO.—Jos. Tynan, vice-president and general manager of the Bethlehem Shipbuilding Corporation, announces his company will commence construction of more than $7,000,000 worth of Diesel engines for equipment of steamers in the Pacific. The engines will be built under the personal supervision of F. E. Nietzel of the Bethlehem Corporation.

FAIR OAKS, Sacramento Co., Cal.—Bids received by Carmichael Irrigation District for furnishing pumping equipment rejected and new bids will probably be called. Bids were: Latourrette-Fical Co., 3431 Sacramento Boul., Sacramento, bidding Byron-Jackson pumps, $12,000; $11,700, and $10,900. J. C. Hobrecht Co., 1014 6th St., Sacramento, bidding De Laval pumps, $11,616; $12,255, and $10,366. L. F. Youdall, Commercial and Savings Bank Bldg., Stockton, bidding Byron-Jackson pumps, Proposition 2 only, $11,253. Albert Givan, Forum Bldg., Sacramento, engineer for district.

MADERA, Madera Co., Cal.—Byron-Jackson Iron Works, 55 New Montgomery St., at $2,990, awarded contract by Trustees to install municipal pumping plant, consisting of a deep well turbine pump, direct connected with a 75-horsepower motor, together with the control apparatus, valves and fittings.

DELHI, Merced Co., Cal.—C. E. Osborn, Turlock, at $3,135, submits low bid to State Land Settlement Board for furnishing and installing two horizontal centrifugal pumps and two 3-phase motors. Krough Pump Co., San Francisco and Superior Mfg. Co., Lodi, next two low bidders at $3,204 and $3,217, respectfully. Bids taken under advisement.

SACRAMENTO, Cal.—Until Feb. 23, 9 P. M., bids will be received by R. B. Carlton, city clerk, for furnishing one patrol chassis and body; bidder to allow for turn-in of Ford patrol now in use.

RAILROADS

SAN FRANCISCO.—Atchison, Topeka and Santa Fe Railway will spend $13,150,000 for improvements and betterments, equipment, new main line second track and new branch line, in 1922.

Of the 1922 expenditures, $11,750,000 will be for the completion of work in hand; $22,000,000 for new work, including seventy-five miles of new second track in Arizona, from Yampai to Griffiths; $8,000,000 for new equipment, and $1,400,000 for a new branch line from Satanta, Kansas, fifty-five miles west. Following are some of the larger items found in the budget:

Additional main line	$8,662,298
Satanta branch line	1,400,000
Bridges, trestles and culverts	1,512,893
Rails and other track materials	1,101,868
Stations and office buildings	1,056,639
Shop buildings	1,041,350
Additional yard tracks and sidings	946,148
Shop machines and tools	724,281
Assessments for public improvements	533,633
Widening cuts, fills, etc.	459,701
Signals and interlockers	446,288

SAN FRANCISCO—Supervisors authorize City Engineer M. M. O'Shaughnessy to prepare specifications for extension of the Municipal Railway system from Grafton and Brighton avenues into the Ocean View District; estimated cost $110,000.

OAKLAND, Cal.—San Francisco-Oakland Terminal Railways announces it will reconstruct the Hayward line roadbed. W. R. Alberger, general manager of company.

FIRE EQUIPMENT

REDWOOD CITY, San Mateo Co., Cal.—Seagrave Co., awarded contract by City Trustees to furnish and deliver a pumping engine for the fire department; contract price, $13,000.

TUSCON, Ariz.—Fire Chief Jos. A. Roberts recommended purchase of 1000 ft. 3-ply multiple woven fire hose or its equivalent.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

STOCKTON, San Joaquin Co., Cal.—As previously reported bids will be received by city council until March 7, 10:30 a. m., for constructing storm sewers in Fair Oaks North, involving 2266 ft. 8-in., 520 ft. 10-in., 506 ft. 12-in., 660 ft. 16-in., 660 ft. 18-in., 17 ft. 21-in., 739 ft. 27-in., 506 ft. 30 in. and 161 ft. 36-in. vitrified or concrete pipe; seven 4-ft. and ten 5-ft. manholes; 50 catchbasins.

Separate bids, same date for constructing sewers in portions of Channel, Oak, Main and other streets, involving 9,164.8 ft. 8-in., vit. or concr. pipe; 335.8 ft. 8-in. vit. or conc. pipe (to be encased in concrete); 1,363.9 ft. 10-in., 2,319.3 ft. 12-in. and 363.9 ft. 14-in. vit. or conc. pipe; 25 four ft. manholes and 73 catchbasins.

Separate bids, same date, for constructing sanitary sewer in City Park Terrace, involving 36 lin. ft. 4-in and 3,468.33 lin. ft. 6-in. vit. pipe; eight 6x4 reducers; three 6x6-in. double wyes; 18 four ft. manholes; 3 flusher manholes.

Separate bids, same date, for constructing sanitary sewer in Yosemite Sub-Division, involving 240 lin. ft. 4-in. 695 lin. ft. 6-in., and 303.5 lin. ft. 8-in. vit. pipe; four 4-ft. manholes; three 4-ft. manholes with flushers. W. B. Hogan, city engineer.

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OAKLAND Cal.—Until Feb. 23, 12 M., bids will be received by Council to improve portions of Walnut St. between 90th and 96th Aves., involving 37,793 sq. ft. grading; 1314 lin. ft. concrete curb; 2728 sq .ft. concrete gutter; 18,318 sq. ft. oil-macadam pavement. Geo. Mattis, city engineer.

SACRAMENTO, Cal.—Until Feb. 23, 9 P. M., bids will be received by City Council, for improving alley between L and M, 3rd and 4th Sts., involving 271 lin. ft. concrete protective coating; 1 concrete catchbasin; reconstruct 1 flush tank; 25 cu. yds. excavation; 18 cu. yds. fill; 6,300 sq. ft. asphaltic concrete pavement.

Separate bids, same date, to improve Santa Ynez Way between J and H, involving 1,457 lin. ft. concrete curb and gutter; 15 lin. ft. concrete curb; 174 lin. ft. 6-in. and 630 lin. ft. 8-in. vitrified pipe; 8 cast iron gutter drains; 3 manholes; 22 1-in. water services; 1,991 sq. yds. grading; 17,922 sq. ft. asphaltic concrete pavement. Albert Givan, city engineer.

MONTEREY, Monterey Co., Cal.—Until March 7, 7 P. M., bids will be received by Archie Kay, city clerk, to improve Carmelita Ave. between Munras and Cass St., paving with decomposed granite gravel, concrete curbs, gutters and sidewalks.

Separate bids, same date, for similar improvements in El Dorado St. between Munras and Pacific in addition to constructing 4 catchbasins with 12-in. pipe connections to existing storm sewer. H. D. Severance, city engineer.

FRESNO, Fresno Co., Cal.—California Road and Street Improvement Co., Bank of Italy Bldg., Fresno, at $16,282, submits low bid to council to improve Terrace Ave. between Wishon and Wilson Aves., involving 65,423 sq. ft. grading; 42,871 sq. ft. paving; 1415 lin. ft. curbs; 5334 sq. ft. gutters and 7075 sq. ft. sidewalks. Other bidders: Federal Construction Co., Call Bldg., San Francisco, $16,628.83; Thompson Bros., 1514 H St., Fresno, $16,624.32. Bids taken under advisement. Wm. Stranahan, city engineer.

BURLINGAME, San Mateo Co., Cal.—City Trustees overrule protests against paving streets in Burlingame Terrace and bids will be asked shortly.

FRESNO, Fresno Co., Cal.—Until Feb. 23, 3.30 P. M., bids will be received by Council, to improve alley between Fortheamp and Yosemite, Mildreda to Sumner Sts., involving 9,500 sq. ft. grading and 9,500 sq. ft. 5-in. cement concrete pavement, 19-ft. wide. Wm. Stranahan, city engineer.

MERCED, Merced Co., Cal.—City Council plan to pave 25 blocks of main streets and 10 blocks of alleys; streets to have 5-in. pavement, 3½-in. asphaltic concrete base with 1½-in. Warrenite top; alleys to have 2½-in. asphaltic base with 1½-in. Warrenite top. C. D. Martin, city engineer.

MERCED, Merced Co., Cal.—John R. Graham, awarded contract by supervisors to furnish rock and screenings for improving 3 miles of Dugan Ranch road in District 3. Only other bidder was Coast Rock and Gravel Co. A. E. Cowell, county surveyor.

PORTERVILLE, Tulare Co., Cal.—Council petition to pave Orange St. between Main and Jay St. and 3rd St between Oak and Morton. Fred Pease, city engineer.

FAIRFIELD, Solano Co., Cal.—Town Trustees planning immediate paving of Union avenue; estimates of cost will be submitted at the next meeting.

VALLEJO, Solano Co., Cal.—Laurence Thompson, engineer in charge of the Gordon Valley water project, for the City of Vallejo, has resigned his position and Engineer C. E. Grunsky, Mechanics' Institute Bldg., San Francisco, appointed to fill the vacancy.

CARSON CITY, Nevada—Until March 6, 2 P. M., bids will be received by State Highway Commission for grading and constructing culverts in Washoe county between Reno and Purdy. **See call for bids under official proposal section in this issue.**

ESCONDIDO, San Diego Co., Cal.—Until 11 A. M., Feb. 28, bids will be received by city trustees for paving 2½ miles city streets, involving 3699 cu. yds. excavation, 3180 cu. yds. embankment, 2709 cu. yds. concrete pavement, 9963 lbs. reinforced steel and 15 culverts. Freeman C. Witt, city engineer. There is $55,000 available of which $36,000 has been paid into city treasury. Both the east and west ends of Grant Ave. will be paved; also half the width of Grant Ave. north of city, connecting Lime St. with county road. The county will pave the other half of Grant Ave., bids to be received at same time bids are received for city paving.

PRESCOTT, Ariz.—Until Feb. 20, 2 P. M., bids will be received by Yavapai County Highway Commission, A. N. Jones, secretary, for constructing Sect. C, Black Canyon to Camp Verde of Cottonwood to Camp Verde highway, 13 miles in length. Separate bids, same date, for constructing Sec. 2, Kirkland to Yava of Prescott to Wickenburg highway, 13 miles.

SAN DIEGO, Cal.—B. B. Boyd, East San Diego, submitted lowest bid at $15,190, for constructing Roseville sewer system. deWaard & Cobham submitted only other bid at $17,270. Referred to city manager.

FRESNO, Fresno Co., Cal.—Until Feb. 24, 2 P. M., bids will be received by Supervisors for paving with gravel macadam 5.23 miles of highway involving 7040 cu. yds. of earthwork without classification and 14,350 tons of gravel; estimated cost, $48,000. Chris P. Jensen, county surveyor.

SAN DIEGO, Cal.—Until 11 A. M., Feb. 28, bids will be received by Supervisors for paving half the width of Grant Ave. north of Escondido, involving 1722 cu. yds. excavation, 1472 cu. yds. embankment, 985 cu. yds. concrete paving, 866 lbs. reinforced steel and 8 culverts. Bids will be opened at same time by city of Escondido for paving other half of street.

SAN JOSE, Santa Clara Co., Cal.—Council declares intention to improve George St. between First and San Pedro, regrading, paving with 3-in. asphalt concrete base with 1½-in. asphalt concrete surface, concrete curbs and gutters. Wm. Popp, city engineer

BAKERSFIELD, Kern Co., Cal.—Council declares intention to improve Kentucky St. between Baker and Gate Sts., grading, construct cement concrete gutters, paving with 3½-in. asphaltic concrete base with 1½-in. Warrenite-Bithulithic surface; cement concrete culverts covered with corrugated iron. Street District No. 437. Protests Feb. 27. W. D. Clarke, city engineer.

PHOENIX, Ariz.—Pacific Construction Co. awarded contract at $23,731.50 for paving Ninth street.

EUREKA, Humboldt Co., Cal.—Until Feb. 21, 8 P. M., bids will be received by council to construct 12-ft. wide wood sidewalks J and Hawthorne Sts. Harry H. Hannah, city engineer.

SEAL BEACH, Cal.—Until 8 P. M., Mar. 2, bids will be received by Trustees, for paving the following streets, work to be done under 1911 Act:

Dolphin Ave., 13,647 sq. ft. grading and 4½-in. cement concrete base and 1½-in. asphaltic concrete surface.

10th St., 41,000 sq. ft. grading and 4½-in. bituminous base with 1½-in. asphaltic concrete surface.

11th St., 37,200 sq. ft. grading and 4½-in. bituminous base and 1½-in. asphaltic concrete surface.

12th St., 33,236 sq. ft. grading and 4½-in. cement concrete base with 1½-in. asphaltic concrete surface.

13th St., 29,156 sq. ft. grading and 4½-in. cement concrete base and 1½-in. asphaltic concrete surface.

14th St., 25,505 sq. ft. grading and 4½-in. cement concrete base and 1½-in. asphaltic concrete surface.

Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, engineers.

HERMOSA BEACH, Cal.—The City Trustees have tabled the matter of improving sewage disposal facilities and will pass it on to their successors.

SANTA CRUZ, Santa Cruz Co., Cal.—County Surveyor Lloyd Bowman is completing specifications for two uncompleted portions of the county highway system: one stretch from the end of the present pavement out to Watsonville and the Chittendon bridge and the other from Ben Lomond to Boulder Creek.

ANAHEIM, Cal.—Mlagenovich & Gillespie, 1029 W. 36th St., Los Angeles, awarded contract at $13,539.88 for constructing sewers in N Palm and a large number of other streets under bond issue. Contract involves 10,246 ft. 6-in. pipe, 2734 ft. 8-in. pipe, 2566 ft. 10-in. pipe; 33 manholes, and 10 flush tanks. O. E. Steward, City Engineer.

SAN DIEGO—Council declares intention to pave Roosevelt Memorial Dr. north of La Jolla. City will pay three-fifths of total cost, which is estimated at $30,600.

TUCSON, Ariz.—Council declares intention to pave 5½ miles of streets at a cost of approximately $22,000. The projects are: East Speedway, from Stone avenue to Campbell avenue; East Sixth St., from Stone Ave. to Campbell Ave.; Alameda St., from Stone Ave. to Sixth St.; Toole Ave., from Stone Ave. to Sixth Ave.

SACRAMENTO, Cal.—A. Teisner & Son, Orpheum Bldg., Sacramento, has been awarded a contract by Council to improve 37th and 38th streets, from H street, northerly, involving 1249 lin. ft. concrete combined curb and gutter, 4556 lin. ft. concrete gutter, 501 lin. ft. 6-in. vitrified sewer pipe, 2136 lin. ft. 8-in. vitrified sewer pipe, 46 cast-iron gutter drains, 46 vitrified wye branches, 4 concrete manholes; 86 1-in. water connections; 5846 sq. yds. grading; 52,619 sq. ft. asphaltic concrete pavement. Albert Givan, City Engineer.

KINGMAN, Ariz. — Arizona State Highway Dept., Phoenix, awarded contract by Mohave County Highway Commission at cost plus $10 for constructing Chloride-Kingman to Mineral Park project No. 7 of Unit B, involving 6200 cu. yds. excavation, 10,300 lin. ft. grader work, drainage structures and incidental items; also for constructing Chloride to Searchlight Ferry highway project No. 4, Unit B, involving 42,000 cu. yds. excavation, 100,000 lin. ft. grader work, drainage structures and incidental items. Thos. Maddock, Phoenix, state engineer.

BAKERSFIELD, Kern Co., Cal.—Paul E. Kressley, H. W. Hellman Bldg., Los Angeles, appointed by Kern County supervisors as engineer for four road improvement districts and authorized the preparation of plans and specifications. The projects embrace 16 miles between Maricopa and Conner; 7 miles between state highway and Conner, 9 miles between Fellows and Taft and 3 miles between McKittrick and Reward. All the roads will have new concrete pavements 6 or more inches thick, except that between Fellows and Taft, on which the present pavement will be built up and widened.

CARSON CITY, Nevada—As previously reported bids will be received by the State Highway Commission for constructing highway in Washoe County, approximately 12.01 miles in length, until March 6, 2 P. M. Project involves: 58,000 cu. yds. excavation (without classification); 480 cu. yds. hand-placed fill; 355 cu. yds. Class A concrete; 90 cu. yds. Class B concrete; 118 lin. ft. 15-in., 128 lin. ft. 18-in., 364 lin. ft. 24-in., 148 lin. ft. 30-in. and 340 lin. ft. 36-in. corrugated iron pipe in place; 26 lin. ft. 18-in. and 26 lin. ft. 30-in. corugated iron siphon in place; 200 monuments. State will furnish 5 sign posts and signs. Geo. W. Borden, State Highway Engineer.

PASADENA, Cal.—City Engineer preparing specifications for a new pavement on E Colorado St. from Broadway or Marengo to Mentor Ave.; probably 7-in. concrete base with 1½-in. asphaltic surface. It is proposed before street is paved to lay larger water mains and laterals to curb for gas, sewers and water connections.

SANTA ANA, Orange Co., Cal.—Southern Counties Gas Co. will spend about $30,000 on improvements during 1922. About 8000 ft. of 6-in. pipe will be laid in Santa Ana and about 7500 ft. 8-in. and 2400 ft. 6-in. pipe will be laid in and about Orange.

OAKLAND, Cal. — Frank Roberts awarded contract by council to construct cement sidewalks in portions of East 14th St., at 32c sq. ft. Geo. Mattis, city engineer.

TACOMA, Wash.—Sewer improvements costing approximately $1,250,000 urged by Commissioner H. Roy Harrison of public works department. Proposed to construct a combined sanitary and storm trunk sewer to serve south of Center street and extending west and north into other large areas; and the construction of similar trunk sewer to drain Bottle Swamp in the southeastern section and to give adequate outlet to sewers of the Roosevelt McKinley Hill and other sections. J. C. Manley, city engineer.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy, completes specifications to improve Collingwood St. between 20th and 22nd and 21st and 22nd Sts. between Castro and Diamond, involving 23,500 cu. yds. cut; 4274 cu. yds. fill; 825 lin. ft. 12-in. and 1100 lin. ft. 8-in. vitrified pipe sewer; 250 lin. ft. 6-in. vitrified pipe (side) sewer; 110 lin. ft. 10-in. vitrified pipe culvert; 48 8-in. and 44 12-in. wye branches; 17 brick manholes; 1 lamphole; 2 brick storm water inlets; 7 brick catchbasins; reconstructing 2 brick catchbasins and 911 lin. ft. galvanized iron pipe railing; estimated cost, $67,000.

SANTA ROSA, Sonoma Co., Cal.—Following bids received by Supervisors for constructing Sec. A, Pocket Canyon road, 5th Road District, a distance of 3 miles; involving 16,000 cu. yds. excavation, 12,750 cu. yds. gravel; 600 ft. corrugated metal pipe and 24 cu. yds. class A concrete:

F. C. MacIntyre, Farmers and Merchants National Bank Bldg., Stockton, $15,542.
Geo. Murry, Manteca, $19,052.
J. M. DeLuca, 5500 Kales Ave., Oakland, $18,876.
Markel, Frates & McCarthy, 711 Clay St., Oakland, $17,726.
D. E. Albers, Santa Rosa, $18,928.
John Cogo, Box 501, Napa, Cal., $19,559
Spencer D. Miller, Manteca, $18,658.
Joseph Wilmnhurst, 3860 Folsom St., San Francisco, $22,395.
W. L. Proctor, Santa Rosa, $18,276.
Frank Bryant, San Carlos Ave., San Jose, $18,309.
W. H. Carr, Sebastopol, $17,777.
Guerin Bros., 425 4th St., San Francisco, $20,211.

Contract was awarded to low bidder, F. C. MacIntyre. R. Press Smith county surveyor.

SAN FRANCISCO—Jas. M. Smith, 407 11th St., at $10,617.23, submits low bid to Board of Public Works for improving Key Ave. between Railroad and Jennings Aves., involving 3537 cu. yds. cuit; 769 lin. ft. concrete curbs; 9221 sq. ft. concrete and 3688 sq. ft. asphaltic concrete pavement; 5229 sq. ft. artificial stone sidewalks; 3 catchbasins; 77 lin. ft. 10-in. culverts and 3 concrete stairs. Only other bidder, Fay Improvement Co., $10,995.24.

RENO, Nevada—Until March 13, 8 p. m., bids will be received by City council for grading and paving streets, involving 3,756.9 sq. yds. grading and paving with 3½-in. asph. conc. base with 1½-in. asph. con. surface; 28,628.5 sq. yds. shaping existing macadam base and paving with 2-in. asph. conc. surface. Cost in neighborhood of $200,000. Harry Chism, city engineer.

SOUTH PASADENA, Cal.—Ducey & Breitenstein, 151 S. Hill Ave., Pasadena, awarded contract at $24,060.50, for improving Meridian St., involving 4000 cu. yds. grading; 62,200 sq. ft. 5-in. cement concrete pavement; 46,450 sq. ft. 3-in. oil macadam; 3600 ft. curb; 3220 sq. ft. concrete gutter; 1170 ft. house connection sewers.

Ducey & Breitenstein also awarded contract at $13,354.20, for improving Marengo Ave., involving 124,000 sq. ft. 3-in. oil macadam pavement; 35 ft. curb; 1400 sq. ft. concrete gutter; 1820 sq. ft. sidewalks, 168 ft. house connection sewers.

ALBUQUERQUE, N. M.—Cotey & Black, Clifton, Ariz., submits low bid to U. S. bureau of public roads and will be awarded the contract at $195,618.13, for grading Secs 7-17, Clifton-Springerville highway in Apache Nat. Forest, Greenlee County, Ariz., 44.31 miles. Other bids were: H. E. Williams, El Paso, Tex., $223,530.46; Lee Moor Construction Co., El Paso, Tex., $235,008.54; J. V. Striker Co., East Las

Vegas, N. M., $238,336.64; J. R. Dooley & Co., Santa Fe, N. M., $242,826.66. McClure, Dobson & MacDonald, Magdalena, N. M., bid $299,342.18, and O. C. McElrath Construction Co., Mesa, Ariz., bid $327,833.32. Engineer's estimate, $219,087.60. Webster, Kerby & Hutchins of Clifton, Ariz., submitted a bid as cost plus 10%, which was not considered. E. S. Wheeler, district engineer.

NAPA, Napa Co., Cal.—A. Kempkey, Consulting Engineer, Hobart Bldg., San Francisco, will submit recommendation to the Napa City Council at its next regular meeting for development of the Milliken canyon project for a municipal water system. Construction will be financed through a bond issue.

MODESTO, Stanislaus Co., Cal.—Stanislaus County Grand Jury recommends, in final report, that steps be taken to call an election to vote bonds to finance construction of a system of good roads. J. H. Hoskins, county surveyor.

HERMOSA BEACH, Cal.—Petitions for improvements were referred to City Engr. Victor Staheli as follows: Camino Real from Pier Ave. to Gould Dr., cem. concr. pavement 25 ft. wide; Prospect Ave. betw. 20th St. and Pier Ave., Willite pavement 25 ft. wide; 18th St. betw. Camino Real and Prospect Ave.; 26th St. betw. Manhattan and Myrtle Ave., Willite pavement; 10th St. betw. railroad and Pier Ave., board walk extension of Loma Drive from Pier Ave. eastward.

PHOENIX, Ariz.—Until 2 p. m., Feb. 27, bids will be received by Mariposa County highway commission, 517 W. Washington St., Phoenix, Ariz., for constructing 160 miles of paved highway comprising uncompleted portion of the original highway program. Bids will be taken on five types of paving: cem. concr.; bituminous concr. base with Warrenite-bitulithic or asph. concr. top; and compressed filled broken stone foundation with Warrenite-bitulithic or asph. concr. top. Proceeds of the sale of the $4,500,000 bond issue voted to complete the highway system are now available and authority of the present highway commission to expend the money has been established by decision of the court. Concrete highways were built under the original bond issue. Bids will be taken for 6-in. concr. on the uncompleted portion of the system, aggregating 1,680,000 sq. yds. If concr. pavement is built 420,000 bbls. cem. will be required.

LOS ANGELES, Cal.—P. N. Snyder, 842 S. Harvard Blvd., has contract to construct 38,000 ft. of curb, 400,000 sq. ft. sidewalk and 100,000 sq. ft. concr. gutter in Rimpau Hill tract for David Barry & Co., agts.; cost about $115,000 to $120,000. Work will be started as soon as grading is finished.
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SOUTH PASADENA, Cal.—Call for bids for constructing reinf. concr. subway under Huntington Dr. at Fremont Ave. was cancelled pending determination of legality of $15,000 bond issue voted for purpose.

PHOENIX, Ariz.—City Commission declares intention to grade and pave with Warrenite-bitulithic surface on bitum. base. Hoover and Vernon Aves. betw. Central Ave. and Third St.; Fillmore St. betw. Grand Ave. and 15th St.; 12th Ave. betw. Woodland Ave. and Monroe St.; 22nd Ave. betw. Madison and Adams Sts.; alley in blk. B., Woodland Place.

GLENDALE, Cal.—Until 7 P. M., Feb. 23, bids will be received by City Clerk A. J. Van Wie for laying 665 ft. 6-in. and 3946.02 ft. 4-in. cast iron water pipe, fire hydrants, service pipes and appurtenances in Isabel St. between Harvard and the Wash; work to be done under Vrooman Act.

SANTA ROSA, Sonoma Co., Cal.—Hugh Ingle, Route 2, Box 575, Santa Rosa, at 65c lin. ft. awarded contract by Supervisors to construct 1350 ft. of guard rail along Northwestern Pacific at Rionido. Other bidders: Frank Bryant, 286 San Carlos Ave., San Jose, 68½c; A. A. Horwege, 306 Call Bldg., San Francisco, 73c; E. M. Whipple, 125 Shasta St., Berkeley, 69½c; Lee J. Emmuel, 1027 Evelyn St., Berkeley, 82c. R. Press Smith, county surveyor.

EUREKA, Humboldt Co., Cal.—A. W. Seidell awarded contract by Supervisors to construct highway fence betwnee Freshwater Lagoon and Orick; $2.55 per rod for sawed posts; $2.47 rod with split posts. Three other bids. A. J. Logan, county surveyor.

CALIFORNIA—Following bids received by State Highway Commission Feb. 14, for paving with either Portland cement concrete or bituminized macadam 17.3 miles in Mendocino county, between Forsythe Creek and Outlet Creek; (a) concrete, (b) macadam:
Mercer & Fraser, Eureka, (a) $287,465.
Bates & Rogers Construction Co., Spokane, (a) $318,692.50.
W. A. Kettlewell, Kingsburg, (a) $321,600.
Rich & Markhus, Missoula, Montana, (a) $276,652.50.
Guy S. Atkinson, Portland, Ore., (a) $396,495.
Kaiser Paving Co., Oakland, (a) $351,547.50.
Warren Construction Co., Portland, (b) $299,412.
Conners & Hansen, Santa Rosa, (a) $275,482.50; (b) $274,994.
Grant Smith, San Francisco, (a) $325,057.50; (b) $337,030.
Engineer's Estimate, (a) $271,787.50; (b) $307,800.

For grading 16.8 miles in Santa Clara county between San Felipe and easterly boundary; (a) corrugated metal pipe; (b) reinforced concrete pipe:
W. A. Dontonville, Hollister, (a) $202,668.90; (b) $205,240.50.
Bates & Rogers Construction Co., Spokane, (a) $287,765.50.
Bates & Bolander, Oakland, (a) $252,639; (b) $258,979.
P. L. Burr, San Francisco, (a) $346,724.50; (b) $351,176.50.
Chadwick & Sykes, Inc., S. F., (a) $279,966; (b) $285,237.50.
Redmond & Page Co., S. F., (a) $275,656.40; (b) $280,471.
Warren Construction Co., Portland, Ore., (a) $319,955.60; (b) $329,615.50
Rhodes & Price, Hilt, Cal., (a) $195,890.70; (b) $203,466.50.
Sherer & Crowley, Los Angeles, (a) $223,620; (b) $229,889.
Grant Smith Co., S. F., (a) $243,196; (b) $249,536.
Engineer's estimated, (a) $261,806; (b) $264,208.

For paving 1.0 mile in Monterey county, between King City and south side of Salinas river; 0.5 mile to be paved with asphaltic concrete and 0.5 mile on Salinas river bridge to be surfaced with asphaltic concrete:
J. A. Costello, Jr., S. F. $22,600
Grant Smith, S. F. 23,500
Engineer's estimate 20,600

PHOENIX, Ariz.—The superior court has decided that the present Maricopa county highway commission is qualified to proceed with the construction of 160 miles of county highways under the $4,500,000 additional bond issue, and a new call for bids will be issued at once. A previous call for bids to be opened Feb. 6, was cancelled pending decision of the suit to test the legal status of the commission.

OAKLAND, Cal.—City Engineer Geo. Mattis, completes specifications to sewer west side of Broadway, involving:
271 lin. ft. 10-in. vitrified pipe sewer.
574 lin. ft. 12-in. vitrified pipe sewer.
938 lin. ft. 14-in. vitrified pipe sewer.
280 lin. ft. 16-in. vitrified pipe sewer.
887 lin. ft. 18-in. vitrified pipe sewer.
136 lin. ft. 10-in. vitrified pipe conduit.
1 drop connection.
50 wye branches.
10 manholes.
9 catchbasins.
3 exist. manholes to be deepened.
1462 lin. ft. exist. sewers to be removed
1 exist. manholes to be removed.
9 exist. catchbasins to be removed.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy, completes specifications to improve 20th St. between 3rd and Tennessee; estimated cost $3,250, involving 180 lin. ft. 8-in. vitrified pipe sewer; 10 vitrified wye branches; 1 brick manhole; 400 lin. ft. concrete curbs; 2530 sq. ft. artificial stone sidewalks; 8400 sq. ft. asphaltic concrete pavement.

SAN DIEGO, Cal.—Geo. R. Daley, Owl Drug Bldg., was awarded contract at $42,239.95 for paving Ft. Stockton Dr., Sunset Blvd. and St. James Pl. with 4-in. concrete base and 1½-in. asphaltic top. Olaf Nelson awarded contract at $3,083.27 for paving alley in blk. 5, Reed & Chase's Sub.

FRESNO, Fresno Co., Cal.—Thompson Bros., 1514 H St., Fresno, at $10,321.16 submits low bid to the City Council to improve Roosevelt avenue, between Pine and McKinley, involving 49,700 sq. ft. grading; 29,820 sq. ft. 5-in. concrete pavement; 1657 lin. ft. concrete curbs; 8283 sq. ft. artificial stone sidewalks. Other bidders: Federal Construction Co., Call Bldg., San Francisco, $12,160.04; Frederickson & Shannon, Cory Bldg., Fresno, $10,834.42. Bids taken under advisement. Wm. Stranahan, City Engineer.

BUSINESS OPPORTUNITIES

Eveready Manufacturing Co., 9 Knapp street, Boston, Mass., desires to get in touch with a San Francisco sales organization, with a view to distribution of the Eveready paper fastener.

Sauer Bros., Fourth and Main Sts., Chico, Cal., wish to get in communication with San Francisco firms equipped to turn out turret lathe work; also to make small sensitive coil springs.

W. A. Collings Co., 517 Finance Bldg., Kansas City, Mo., is in the market for Douglas fir pitch.

A. L. Randall Co., 180 North Wabash Avenue, Chicago, Ill., desires to arrange for a representative in this city to handle the sale of a high-grade line of fiber furniture.

Aseptic Furniture Manufacturing Co., 1532 First Ave., South Seattle, Wash., is in the market for die castings.

Penn Metal Co., 65 Franklin street, Boston, Mass., wishes to secure a representative in San Francisco to put in stock and handle, on an exclusive agency basis, sheet metal fireproof building materials.

Hester Price, Berwyn, Pa., desires to get in touch with wholesale grocers in this city.

D. K. Murfree, care Better Farming, 141 West Ohio street, Chicago, Ill., is in the market for wire-tying device for strapping boxes and packages.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

$2,500 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
563	Chamberlain	Owner	25000
564	Hanah	McCormick	8500
565	Standard	Owner	1000
566	Peterson	Owner	15000
567	Restrom	Moriconi	4750
569	Saunders	Schultz	90000
570	Corbelli	DeMarteni	4500
571	Donnelly	Anderson	10600
572	Campbell	Owner	4000
573	Coghlan	Sherwood	4500
574	Little	Owner	8000
575	Bates	Roof	2500
576	Thomson	Owner	2975
577	Costello	Owner	20000
578	Hemminga	Owner	22000
579	Stevens	Owner	40000
580	Lurie	Hansen	20000
581	Muller	Owner	16000
585	Campbell	Owner	4000
586	Lewis	Hansen	7000
587	Hemminga	Owner	8900
589	Lager	Owner	24000
590	Samuelson	Owner	2900
591	Miller	Owner	4000
592	Abren	Becker	3000
593	Hemminga	Owner	8000
594	Astrado	Ellingson	12100
595	Blasse	Denke	62500
596	Alberti	Daven	5000
597	Arata	Brady	23000
598	Licht	Hardy	15000
599	Lippitt	Britt	20000
600	Korn	Zinkand	12000
601	Hanson	Owner	8000
602	Band	Hemminga	8000
612	Andersen	Barnett	3900
613	Crocker	Samuelson	——
614	Wolford	Binet	7975
615	Howard	Hamill	14530
616	McCain	Ellingson	15850
617	Paul	Hansen	4170
618	Haggerty	Nelson	6150
619	Homes Loan	Unit	10650
620	Johnson	Owner	13000
621	Berghauser	Carson	8000
622	Berghauser	Carson	12000
623	Foley	Haden	3000
624	Fontanella	Owner	6000
626	Allen	Allen	15000
627	Wyatt	Jensen	2385
629	Rosenthal	Steiger	4000
630	Horn	Stiefel	6900
631	Chenet	Owner	3000
632	Andersen	Campbell	2869
636	Messner	Madden	5400
637	Binder	S. F. Bridge	27000
641	Crocker	Arnott	5800
642	Nelson	Owner	3000
643	Same	Same	12000
644	Same	Same	3000
645	Wesch	Midhurst	11300
646	Korn	Zinkand	11285

PERMITS

STORES AND LOFTS
(563) S SUTTER 60 W Stockton. Two-story and basement Class C stores and lofts.
Owner—Selah Chamberlain. Architect
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Day's work. $25,000

FRAME FLATS
(564) E FLORIDA AVE 100 S California. Two-story and basement frame (2) flats.
Owner—Patrick Hanah, 415 11th Ave., San Francisco.
Architect—None.
Contractor—Thos. McCormick, 37 Hill St., San Francisco. $8500

FRAME FLATS
(566) E ELEVENTH AVE 127 and 152 N Cabrillo. Two two-story and basement frame (2 in each) flats.
Owner—Gustav Peterson and W. W. Magill, 683 9th Ave., San Francisco.
Architect—None.
Day's work. $7500 each

ALTERATIONS
(567) NO. 3176 WASHINGTON. General alterations for (2) flats.
Owner—V. F. Restrom, 1422 Larkin St., San Francisco.
Architect—None.
Contractor—G. Moriconi, 2200 Larkin St., San Francisco. $4,750

APARTMENTS
(569) N Geary 80 E Polk. Five-story and basement concrete (40) apartments.
Owner — Frederick Saunders, 1110 Hearst Bldg., San Francisco.
Architect—Griewank & Buckley, 516 Call Bldg., San Francisco.
Contractor—Schultz Construction Co., 46 Kearny St., San Francisco $90,000

RECORDED

FRAME STORES
(570) S CLEMENT 32-6 W Twenty-third Ave W 25xS 100. All work except front door locks for one-story frame building (stores).
Owner—Angelo Corbelli, 1232 Pacific St., San Francisco.
Architect—None.
Contractor—Paul De Martini, 2869 Octavia St., San Francisco.
Filed Feb. 10, '22. Dated Feb. 6, '22.
Frame up $1125
Brown coated 1125
Completed and accepted 1125
Usual 35 days 1125
TOTAL COST, $4500
Bond, $2250. Sureties, G. B. Cordano and P. Berta. Limit, 70 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS
(571) W SIXTEENTH AVE 200 S Anza. All work for two-story and basement frame flats.
Owner—Mrs. J. A. Donnelly, 579 16th Ave., San Francisco.
Architect—None.
Contractor—Otto E. Anderson, 483 15th Ave., San Francisco.
Filed Feb. 10, 22. Dated ——.
Roof on $2650
Rough plaster on 2650
Completed and accepted 2650
Usual 35 days 2650
TOTAL COST, $10,600
Bond, limit, forfeit, none. Plans and specifications filed.

APARTMENTS
NE GEARY AND TWENTY-EIGHTH Ave. Two-story and basement frame (3) apartments and store.
Owner—H. Wobig, 6367 Geary St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Meyer Bros., 5326 Geary St., San Francisco $12,000

DWELLING
(572) S POINT LOBOS AVE 87½ E Forty-sixth Ave. One-story and basement frame dwelling.
Owner — J. V. Campbell, 1040 Bryant St., San Francisco.
Architect—None.
Day's work. $4000

DWELLING
(573) E RHODE ISLAND 75 S 23rd. One-story and basement frame dwelling.
Owner—Martin D. Coghlan, 3866 18th St., San Francisco.
Architect—None.
Contractor—W. E. Sherwood, 164½ Arlington St., San Francisco. $4500

FLATS
(574) W EIGHTEENTH AVE 150 S Lake. Two-story and basement frame (2) flats.
Owner—John Little, 1035 Lincoln Way, San Francisco.
Architect—Milton Morrison, 716 41st Ave., San Francisco.
Day's work. $8000

DWELLING
(575) W DETROIT 25 S Flood. One-story and basement frame dwelling.
Owner—Mary A. Bates, 739 Minna St., San Francisco.
Architect—None.
Contractor—Chas. Roof, 16 Vernon Ave., San Francisco. $2500

DWELLINGS
(576) NW LISBON 150 and 175 SW Brazil. Two one and one-half-story and basement frame dwellings.
Owner — H. S. Thomson, 3650 Mission St., San Francisco.
Architect—None.
Day's work. $2975

FRAME FLATS
(577) E TWENTY-FIRST AVE. 137, 165, 193 and 222 N Fulton. Four two-story and basement frame (2 in each) flats.
Owner—Costello Bros., 18 Noe St., San Francisco.
Architect—None.
Day's work. $5000 each

APARTMENTS
(578) NE ASHBURY AND FULTON. Three-story and basement frame (9) apartments.
Owner—W. L. Hemminga, 47 Ashbury St., San Francisco.
Architect—None.
Day's work. $22,000

APARTMENTS
(579) N FULTON 27-6 W 15th Ave. Three-story and basement frame (18) apartments.
Owner—Arthur Stevens, 4026 Fulton St., San Francisco.
Architect—None.
Day's work. $40,000

WAREHOUSE
(580) N HOWARD 47 W Mary. One-story and basement concrete office and warehouse.
Owner—Louis R. Lurie, 240 Montgomery St., San Francisco.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—F. L. Hansen $20,000

APARTMENTS
(581) S NINETEENTH 83 E Castro. Three-story and basement frame (1) flat and (4) apartments.
Owner—L. Muller, ℄ Architect.

Architect—John F. Beuttler, 110 Sutter St., San Francisco.
Day's work. $16,000

ADDITION
(582) E MISSION 200 S 24th. Addition of one-story frame to real estate office.
Owner—S. McKee and A. J. Conway, 2809 Mission St., San Francisco.
Architect—None.
Contractor—Joseph S. Fratessa, 896 Girard St., San Francisco. $2000

DWELLING
(585) S POINT LOBOS AVE 87½ W 45th Ave. One-story and basement frame dwelling.
Owner—J. V. Campbell, 1040 Bryant St., San Francisco.
Architect—None.
Day's work. $4000

FRAME FLATS
(586) W TWELFTH AVE 125 S Geary Two-story and basement frame (2) flats.
Owner—Aaron Lewis, 1605 Chronicle Bldg., San Francisco.
Architect—Morrow & Garren, 1605 Chronicle Bldg., San Francisco.
Contractor — Peter Hansen, Chronicle Bldg., San Francisco. $7000

FRAME FLATS
(587) E ASHBURY 75 N Fulton. Two story and basement frame (2) flats.
Owner—W. L. Hemminga, 47 Ashbury St., San Francisco.
Architect—None.
Day's work. $8000

FLATS
(589) S CALIFORNIA 82-6 and 120 W 10th Ave. Two two-story and basement frame (4 in each) flats.
Owner—M. Lager, 320 Market St., San Francisco.
Architect—Edward E. Young, 251 Kearny St., San Francisco.
Day's work. $12,000 each

STORES
(591) S CLEMENT 32-6 W Twenty-second. One-story frame (2) stores.
Owner—Wm. A. Miller, 638 5th Ave., San Francisco.
Architect—None.
Day's work. $4000

DWELLING
(592) S TWENTY-SECOND 175 W Douglas. One-story and basement frame dwelling.
Owner—Joaquin T. Abren, 4263 22nd St., San Francisco.
Architect—None.
Contractor—H. A. Becker, 3444 22nd St., San Francisco. $3000

FRAME FLATS
(593) E ASHBURY COURT 40 N Fulton. Two-story and basement frame (2) flats.
Owner—W. L. Hemminga, 47 Ashbury St., San Francisco.
Architect—None.
Day's work. $8000

DWELLINGS
(594) W MASON 70 N Vallejo. One-story and basement frame dwelling and two-story and basement frame dwelling.
Owner—Mrs. J. C. Astrado.
Architect—Angelo Hewethson.
Contractor—E. Ellingson, 180 Jessie St., San Francisco.
$3500 and $4300 respectivelly

APARTMENTS
(595) S PINE 172 W Powell. Four-story and basement Class C (16) apartments.
Owner—W. F. Blasse, 1370 Washington St., San Francisco.
Architect — E. H. Denke 1317 Hyde St., San Francisco.
Contractor—E. H. Denke, 1317 Hyde St., San Francisco. $62,500

STORES
(596) W FOLK 127-8¾ N Pacific. One-story frame (2) stores.
Owner—Dr. D. A. Alberti, 212 Stockton St., San Francisco.
Architect—W. L. Schmolle, 40 Montgomery St., San Francisco.
Contractor—Joseph Daven, 40 Montgomery St., S. F. $5000

REPAIRS
(597) S BEACH 68-9 E Larkin. Repair fire damage to factory.
Owner—Rose Arata, % Contractor.
Architect—None.
Contractor—M. V. Brady, Monadnock Bldg., San Francisco. $23,000

FRAME FLATS
(598) SE ASHBURY AND FULTON. Two-story and basement frame (4) flats.
Owner—Jos. and Silvia Licht, 709 Masonic Ave., San Francisco.
Architect—A. M. Hardy, 6217 California St., San Francisco.
Contractor—A. M. Hardy, 6217 California St., San Francisco. $15,000

RESIDENCE
(599) N PACIFIC AVE 200 W Fillmore. Three-story and basement frame residence.
Owner — Estelle Lippitt, 726 Market St., San Francisco.
Architect—Milton Latham, 454 Montgomery St., San Francisco.
Contractor—O. W. Britt, 1257 Arguello Blvd., San Francisco. $20,000

FRAME FLATS
(600) W TWENTIETH AVE 200 N Anza. Two-story and basement frame (2) flats.
Owner—A. H. Korn, 720 Mission St., San Francisco.
Architect—Samuel Lightner Hyman, 68 Post St., San Francisco.
Contractor—Ed. Zinkand & Son, 434 10th Ave., San Francisco. $12,000

FRAME FLATS
(601) E SECOND AVE 127-6 N Fulton. Two-story and basement frame (2) flats.
Owner—Ida R. Hansen, 578 4th Ave., San Francisco.
Architect—Milton W. Morrison, 716 41st Ave., San Francisco.
Day's work. $8000

FRAME FLATS
(602) N GROVE 92-6 W Ashbury. Two-story and basement frame (2) flats.
Owner—C. S. Band, 47 Ashbury St., San Francisco.
Architect—None.
Contractor—W. L. Hemminga, 47 Ashbury St., San Francisco. $8000

JOOST BROTHERS
Builders' Hardware
Tools, Etc.
(Members Builders' Exchange)
1053 MARKET ST.
Phone Market 891 San Francisco

ALTERATIONS
(605) NO. 1140 MARKET Re-arrange store front; tiling, etc.
Owner—Eugene Eisenberg, 1140 Market St., San Francisco.
Architect—None.
Contractor—Sandberg & Essmann, 501 4th St., San Francisco. $2750

ELECTRIC SIGNS
(607) N MARKET 30 E Taylor. Erect electric signs.
Owner—Loew's Warfield Theatre Prem
Architect—None.
Contractor—Brumfield Electric Sign Co., 18 7th St., S. F. $4000

RESIDENCE
(612) LOT 7 BLK 2, Clarendon Heights One-story and basement frame residence.
Owner—A. Andersen, 650 Ellis St., San Francisco.
Architect—None.
Contractor—Barnett, Jackson & Ennis, 516 O Farrell St., San Francisco. $3900

DWELLING
(613) NE EDINBURG AND GENEVA. One-story and basement frame dwelling.
Owner—Crocker Estate Co., 525 Crocker Bldg., San Francisco.
Architect—None.
Contractor — A. M. Samuelson, 290 Rolph St., San Francisco. $——

RECORDED

RESIDENCE
(614) N MOSS 100 E Howard. All work except plumbing, finish hardware, electric fixtures, hardwood floors and wall beds for two-story frame residence.
Owner—Joe Wolford, 1240 McAllister St., San Francisco.
Architect—None.
Contractor—John J. Binet, 68 Ramona St., San Francisco
Filed Feb. 14, '22. Dated Jan. 22, '22.
Frame up $1993.75
Brown coated 1993.75
Completed 1993.75
Usual 35 days..... 1993.75
TOTAL COST, $7975.00
Bond, $4000. Sureties, N. Lund and Gertrude B. Huff. Limit, May 1, 1922. Forfeit, none. Plans and specifications filed.

APARTMENTS, ETC.
(615) SE GEARY AND EIGHTEENTH Ave S 25xE 82-6. All work for three-story frame building (store and apartments).
Owner—Jno. F. Howard M. and Mary C. Thurber, 551 7th Ave., S. F.
Architect—Jno. J. Foley, 779 5th Ave., San Francisco.
Contractor—Thomas Hamill, 767 42nd Ave., San Francisco.
Filed Feb. 14, 22. Dated Feb. 11, '22.
Brown coated $4843.33
Completed and accepted..... 4843.33
Usual 35 days..... 4843.33
TOTAL COST, $14,530.00
Bond, $7500. Sureties, Nathaniel Thompson and J. H. McCallum. Limit, 60 days. Forfeit, none. Plans and specifications filed

FLATS
(616) SE CALIFORNIA & THIRTY-second Ave S 100xE 32-6. All work for two-story and basement frame buildings (flats).
Owner—Ida F. McCain, 318 Kearny St., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Contractor—Elling Ellingson, 180 Jessie St., San Francisco.
Filed Feb. 14, '22. Dated Feb. 6, '22.
Frame up $3962.50
Brown coated 3962.50
Completed and accepted.... 3962.50
Usual 35 days..... 3962.50
TOTAL COST, $15,850.00

Bond, $7925. Sureties, H. J. Hansen & C. W. Farrow. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(617) LOT 17 BLK 3198 Westwood Park. All work for one-story and basement frame dwelling.
Owner—Harlow T. Paul, 315 Turk St., San Francisco.
Plans by Owner.
Contractor—Walter E. Hansen, 2255 Market St., San Francisco.
Filed Feb. 14, '22. Dated Jan. 27, '22.
Enclosed $1042.50
Brown coated 1042.50
Completed and accepted..... 1042.50
Usual 35 days..... 1042.50
TOTAL COST $4170.00
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed

RESIDENCE
(618) LOT 21 BLK 3165 Westwood Park. All work for one-story frame residence.
Owner—P. J. and Ella M. Haggerty.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Feb. 14, '22. Dated Feb. 1, '22.
Enclosed $1537.50
Brown coated 1537.50
Completed and accepted..... 1537.50
Usual 35 days..... 1537.50
TOTAL COST, $6150.00
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(619) LOT 11 BLK 6, St. Francis Wood Extension No. 1. All work for a hollow tile and frame dwelling.
Owner—Homes Loan Corp., 278 Post St., San Francisco.
Architect — Henry H. Gutterson, 278 Post St., San Francisco.
Contractor—Unit Constr. Co., Phelan Bldg., San Francisco.
Filed Feb. 14, '22. Dated Feb. 13, '22.
Frame up $2662.50
Brown coated 2662.50
Completed and accepted..... 2662.50
Usual 35 days..... 2662.50
TOTAL COST,$10,650.00
Bond, $5325. Sureties, Jno. Eshia and H. J. Vanderwhite. Limit, 100 days. Forfeit, $5. Plans and specifications filed.

APARTMENTS
(620) NE CLEMENT AND SEVENTEENTH AVE. Three-story and basement frame (8) apartments.
Owner—Chas. A. Johnson, 36 Steiner St., San Francisco.
Architect—None.
Day's work. $18,000

DWELLINGS
(621) S ULLOA 332-8 and 402-8 E Kensington. Two one-story and basement frame dwellings.
Owner—Julius H. Berghauer, 242 Kearny St., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Otto Carson, 180 Joseph St., San Francisco. $4000 each

DWELLINGS
(622) N PORTOLA DRIVE 97, 159 and 415-2 E Kensington. Three one-story and basement frame dwellings.
Owner—Julius H. Berghauer, 242 Kearny St., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Otto Carson, 180 Joseph St., San Francisco. $4000 each

DWELLING
(623) W TWENTY-FIRST AVE 300 N Taraval. One-story and basement frame dwelling.
Owner—Thos. Foley, 324 Funston Ave., San Francisco.
Architect—None.
Contractor—Gustav Haden, 142 Laidley St., San Francisco. $3000

FRAME FLATS
(624) N CALIFORNIA 77-6 E 21st Ave. Two-story and basement frame (2) flats.
Owner—Fontanella & Teza, 1682 Eddy St., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Day's work. $6000

STORES
(626) N TURK 68-9 E Taylor. One-story and basement Class C (2) stores.
Owner—H. B. Allen, % Architect.
Architect—Earle B. Bertz, 168 Sutter St., San Francisco.
Contractor — Allen & Co., 168 Sutter St., San Francisco. $15,000

RECORDED

RESIDENCE
(629) E TWENTY-SIXTH AVE 120 N Lake S 25 ——. Carpenter work for two-story frame residence.
Owner—Sigmund Rosenthal, 2640 Lake St., San Francisco.
Architect—None.
Contractor — H. Steiger, 1630 Haight St., San Francisco.
Filed Feb. 15, 22. Dated Feb. 3, '22.
Owner to pay all bills Ok by contractor when due.....
Contractor to be paid for labor, etc., as follows:
Roof framed .....——
Ready for plaster..... ——
Completed ..... ——
On completion contractor to receive $400
TOTAL COST, $4000; contractor to receive, 10%.
Bond, limit, forfeit, none. Plans and specifications filed.

STORE AND FLAT
(630) W EIGHTH AVE. 100 S Clement S 25xW 120. All work for a two-story frame building (store and flat).
Owner—Harry L. and Lena C. Horn, 328 8th Ave., San Francisco.
Architect—None.
Contractor—Jno. V. Stiefel, 184 23rd Ave., San Francisco.
Frame up $1725
Brown coated 1725
Completed and accepted 1725
Usual 35 days 1765
TOTAL COST, $6900
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(631) E MIRAMAR 225 N Grafton. One-story and basement frame dwelling.
Owner — Geo. R. Cheney, 324 Bartlett St., San Francisco.
Plans prepared by H. A. Becker, 3411 22nd Ave., San Francisco.
Day's work. $3000

DWELLING
(632) NE JOOST AVE AND GENESEE. One-story frame dwlg.
Owner—Arnt Andersen, 935 Market St., San Francisco.
Architect—None.
Contractor—J. H. Campbell, 758 Ashbury St., San Francisco. $800

DWELLINGS
(636) NW PALOU 200 and 226 NE Keith. Two one-story and basement frame dwellings.
Owner — Paul Messner, 1348 Palou Ave., San Francisco.
Architect—None.
Contractor—P. Madden, 1527 Jordan Ave., San Francisco. $2700 each

RESIDENCE
(637) N BROADWAY 154-6 W Baker. Three-story and basement frame residence.
Owner—Saretta B. Hindes, 2519 Broadway, San Francisco.
Architect—None.
Contractor—San Francisco Bridge Co., Nevada Bank Bldg., San Francisco. $27,000

DWELLINGS
(641) E THIRTY-SIXTH AVE 215 & 245 N Irving. Two one-story and basement frame dwellings.
Owner—Crocker Estate Co., Crocker Bldg., San Francisco.
Architect—None.
Contractor—Jas. Arnott & Son, 4165 20th St., S. F. $2900 each

DWELLING
(642) E WESTWOOD DRIVE 205 N Wildwood. One-story and basement frame dwelling.
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff 2274 15th St., San Francisco.
Day's work. $3000

DWELLINGS
(643) S STAPLES 90, 124, 158 and 192 E Hazelwood. Four one-story and basement frame dwellings.
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff 2274 15th St., San Francisco.
Day's work. $3000 each

DWELLING
(644) S STAPLES 124 W Phelan Ave. One-story and basement frame dwelling.
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff 2274 15th St., San Francisco.
Day's work. $3000

RECORDED

FRAME BUILDING
(645) W NINETEENTH AVE 194-6 N Cabrillo. All work for two-story and basement frame building.
Owner—J. H. Wesch, 3816 18th St., San Francisco.
Architect—None.
Contractor—P. Midbust, 177 Caselli Ave., San Francisco.
Filed Feb. 16, '22. Dated Feb. —, '22.
Rough frame up.....$2825
Rough plaster on..... 2825
Completed 2825
Usual 35 days..... 2825
TOTAL COST, $11,300
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.
NOTE—Permit reported Feb. 9, 1922.

FRAME FLATS
(646) W TWENTIETH AVE 200 N Anza W 120xN 25. All work for two-story frame flats.
Owner—A. H. Korn, 720 Mission St., San Francisco.
Architect—Samuel L. Hyman, 68 Post St., San Francisco.
Contractor — Ed Zinkand & Son, 434 10th Ave., San Francisco.
Filed Feb 16, '22. Dated Feb. 14, '22.
Roof completed $2822
Plaster completed 2822
Completed and accepted 2822
Usual 35 days 2822
TOTAL COST, $11,288
Bond, $5644. Sureties, H. W. Gaetjen and J. H. McCallum. Limit, 90 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Feb. 16. 1922—W BUCHANAN 30 S Lombard. S Coturri to G Ferroni & Sons.....Feb. 15, 1922

Feb. 16, 1922—S RANDALL 275 E Harper E 25xS 110. Zacharia T Hayden to Arthur H Klahn..... .....Feb. 15, 1922

Feb. 16, 1922—NW BESSIE AND Folsom 25x80 Guiseppi & Doreteo Teresi to W H Grahn...Feb. 16, 1922

Feb. 16, 1922—N GEARY 137-6 E Jones — 28 N 62-6 W 28 S 62-6. Carlo Matraia to S W Band..... .....Feb. 8, 1922

Feb. 16, 1922—SW MONTGOMERY & Bush W 60xS 68-9. Crocker Estate Co to Atlas Heating & Ventilating Co.....Feb. 11, 1922

Feb. 15, 1922—LOT 6 BLK "M" Addition to Castro St. Addition and Glen Park Terrace. Arthur B Bennett to whom it may concern. .....Feb. 15, 1922

Feb. 15, 1922—SW PINE AND HYDE W 100 to pt of beg W 37-6xS 137-6. Maud Warwick to whom it may concern .....

Feb. 15, 1922—W THIRTY-NINTH Ave 415 S Clement S 35xW 120. Costello Bros to whom it may concern.....Feb. 15, 1922

Feb. 15, 1922—W THIRTY-NINTH Ave 345 S Clement S 35xW 120; W 39th Ave 380 S Clement S 35xW 120. Costello Bros to whom it may concern.....Feb. 15, 1922

Feb. 15, 1922—N HIGHLAND AVE 75 W Mission 25x100; W Mission 25 N Highland Ave 75x75. Philip Sanfiloppo to Thos Hamill..... .....Feb. 14, 1922

Feb. 15, 1922—SE FLOOD AVE AND Phelan E 25xS 82-6 Ptn. Lot 8 Blk 2, Sunnyside; S Flood Ave 25, 50 & 75 E Phelan Ave E 25xS 82-6. Moneta Invesment Co to James Arnott & Son to whom it may concern.. .....Feb. 8, 1922

Feb. 15, 1922—S CLIPPER 240 E Douglas E 26-8xS 114. Edward Olsen to whom it may concern... .....Feb. 13, 1922

Feb. 14, 1922—W SANSOME 68-9 N Pacific. Harriette de Witt Kittle to Atlas Concrete Co....Feb. 9, 1922

Feb. 14, 1922—NE 26.67 FT. LOT 28 and SW 13.34 ft. Lot 29 Blk 2, Forest Hill. Alice M Field to Fred H Field.....Feb. 10, 1922

Feb. 14, 1922—SW SHORE VIEW AV and 37th Ave S 110xW 40. Alton R Lapham to whom it may concern .....Feb. 6, 1922

Feb. 14, 1922—E FUNSTON AVE 150 N Geary 25x120. Mrs. Elizabeth Haggett to Kincanon & Perego... .....Jan. 26, 1922

Feb. 14, 1922—N ANZA 82-6 E Fifth Ave E 25x100. Thomas Hamill to whom it may concern..Feb. 11, 1922

Feb. 11, 1922—SW SANSOME AND Greenwich S 136-9xW 137-6. Acme Ice Cream Co to whom it may concern .....Feb. 7, 1922

Feb. 11, 1922—PTN LAND BOUNDED on NW by Mission, N by Silver Ave and SE by Lisbon. Hebrew Home Aged Disabled to Truscon Steel Co.....Jan. 27, 1922

Feb. 11, 1922—E SIXTEENTH AVE 150 S Balboa 25x27½. Albert Hoeflich to whom it may concern..... .....Feb. 8, 1922

Feb. 11, 1922—E TWENTIETH AVE 150 S Anza. August Magnuson to whom it may concern.....

Feb. 11, 1922—SE POST AND AVERY 53x75. Avery-Fuller Childrens' Center to Harvey A Klyce..... .....Feb. 10, 1922

Feb. 10, 1922—SE CABRILLO AND Twenty-third Ave 50x70; N Cabrillo 95 E 23rd Ave 25x100. Jonathan Anderson to Theodore G and Rollin E Meyer.....Feb. 10, 1922

Feb. 10, 1922—E TWENTY-FOURTH Ave 175 S Clement S 25xE 120; W 25th Ave 225 S Clement S 25xE 130. Jonathan Anderson to Theodore G and Rollin E Meyer..Feb. 10, 1922

Feb. 10, 1922—E TWENTY-THIRD Ave 50 N Cabrillo N 50xE 70. Harry Wissman to Theodore G and Rollin E Meyer.....Feb. 8, 1922

Feb. 10, 1922—NE GEARY AND Twenty-third Av E 32-6xN 70. John F Mullane to whom it may concern ....Feb. 9, 1922

Feb. 10, 1922—W TWENTY-SECOND Av 100 S Cabrillo S 25xW 120. Wm F Kaiser to Theodore G and Rollin E Meyer.....Jan. 10, 1922

Feb. 8, 1922—LOT 19 BLK 2, St. Francis Wood Extn. No. 1, D B Chandler to Wm J & H C Mangels .....Feb. 7, 1922

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

Feb. 16, 1922—N CABRILLO 30 W 47th Ave W 30xN 100. J H McCallum vs Harry J Frank.....$133.21

Feb. 16, 1922—N CABRILLO 60 W 47th Ave W 30xN 100. J H McCallum vs Harry J Frank....$616.15

Feb. 15, 1922—S PACIFIC 68-9 E Larkin E 63-9xS 137-6. Raphael Zelinsky vs Jno Spargo.....$1017

Feb. 11, 1922—W WESTWOOD DR 20 N from N line Lot 7 Blk 3174 S 45 NW 95 to pt on W line Lot 7 N 42.836 SE 95 Ptn Lots 6 and 7 Blk 3174, Westwood Park. H A Norman (as F G Norman & Sons) vs Louis A, Louise and Lucy A Bauer $95

Feb. 11, 1922— TWENTY-THIRD 125 W Douglass W 25xN 114. J E Higgins Lumber Co vs Chas H Westrup and Francis Westrup and Wm O Snell (as San Francisco Hardwood Floor Co.).....$66.99

Feb. 9, 1922—S JACKSON 137-6 E Spruce E 47-6 S 127-8¼. Alfred Legault vs Grace V Benson..$4168.46

Feb. 10, 1922—E FILLMORE 25 N Grove E 100xS 27-6. J S Guerin & Co vs S F Thomas, Nellie Thomas and McHugh & Weiss.....$452.50

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Feb. 16, 1922—N BROADWAY 75 W Kearny W 62-6 N 92 E 47-6 S 29 E 15 S 63. G Marini as to improvements on property .....

Feb. 10, 1922—S O'FARRELL bet. Mason and Taylor; No. 315 O'Farrell. Percival S Scales as to improvements on property.....

BUILDER'S BOND

SAN FRANCISCO COUNTY

Feb. 11, 1922—S O'FARRELL 37-6 E Jones. Walter H. Sullivan, Owner with Louis J. Conn, Contractor. Bond $4700. Sureties, George and Esther Cohn. Dated Jan. 21, 1922.

BUILDING CONTRACTS

ALAMEDA COUNTY

$2,500 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
580	Eastman	Geary	4915
581	Coughlin	Hansson	6000
583	Nielsen	Reite	3000
584	Neergard	Owner	3500
585	Tiffany	Whitford	5000
586	Hosmer	Anderson	17622
587	White	Owner	5250
588	Healy	Owner	6000
589	Berg	Owner	5000
590	Biddiggs	Hebel	2800
591	Sherhard	Cox	6000
594	Ernst	Owner	3000
595	Union Oil	Owner	8500
597	Burritt	Owner	3750
598	Burritt	Owner	7500
599	Whalin	Owner	3500
601	Keane	Peppin	4000
603	Chambers	Owner	3000
604	Kann	Owner	8000
606	James	Frostholm	7000
607	Western	Christensen	——
608	Huifner	Herman	3000
611	Miller	Bixby	6000
612	Bisenoff	Owner	6000
613	Tupper	Bernhardt	2000
615	Cragmont	Brazier	5000
620	Healy	Owner	3000
621	Heath	Parks	3300
622	Pirang	Owner	7000
623	Wendt	Owner	3000
624	Barker	Long	10000
625	McMann	Sommarstrom	6500
626	Same	Same	7500
628	Same	Owner	4900
629	Jacobs	Owner	4500
630	Lee	Owner	3500
631	Kirst	Christensen	3700
632	Same	Same	3800
633	Lindhelm	Owner	2500
635	Glantz	Owner	5000
636	Frick	Smith	5250
637	McLean	Snider	3000
638	Larkin	Calif	10000
639	Speck	Owner	2500
640	Reyburn	Van Horn	2500
641	Hinch	Owner	3000
642	Welch	Owner	1600
644	Lomero	Cederborg	7450
645	Same	Same	10000
646	Same	Same	9000
647	Same	Same	8100
650	Dives	Petersen	3000
651	Marshall	Owner	5000
653	Seeman	Noble	2500
654	Stettner	Gossett	9500
655	James	Frostholm	5300
656	Same	Picard	565
657	Same	Bruck	525
658	Todd	MacGregor	25000
659	Alameda Co	Thornalley	37305
660	Same	King	4337
661	Same	Dixon	6987
662	Piedmont	Owner	6000
663	Baird	Pearson	3000
664	Ahrens	Owner	8000
665	Romie	Wilson	4000
666	Johnson	Johnson	2500
667	Lehman	Owner	4000
668	Lakeshore	Carson	5000
669	Wiren	Owner	2600
670	Stettner	Gossett	9500
671	Ferrera	McDonald	2000
673	Goranson	Owner	3500
674	Glantz	Owner	3000
675	Hymans	Emanuel	2500
676	Ambuhl	Taylor	3000
677	Cort	Owner	3990
678	Page	Lea	4000
679	Hacke	Clarke	7400
680	Dawson	Peterson	9500

PERMITS

DWELLING

(580) E TULARE AVE 215 N Sonoma, Berkeley One-story 6-room dwlg.
Owner—T. F. Eastman, 632 Haddon Road, Oakland.
Architect—A. H. Peterson, 1st National Bank Bldg., Oakland.
Contractor—L. G. Geary, 724 58th St., Oakland. $4975

DWELLING

(581) NO 1131 FRESNO ST., Berkeley One-story 7-room dwelling
Owner—Coughlin & Ryder, Berkeley.
Architect—None.
Contractor—Louis O Hansson, 1400 Bonita St., Berkeley. $6000

DWELLING

(583) N TOWNSEND AVE. 50 W Everett Ave., Oakland. One-story 5-room dwelling.

Owner—T. M. Nielsen, 940 Channing Way, Berkeley.
Architect—None.
Contractor—Oscar C. Reite, 3276½ Briggs Ave., Alameda. $3000

DWELLING
(584) N SCENIC AVE. 300 E Laguna, Oakland. One-story 6-room dwelling.
Owner—N. Neergard, 1226 53rd Ave., Oakland.
Architect—None.
Day's work. $3500

FLATS
(585) S FORTY-FIRST 450 E Telegraph Ave., Oakland. Two-story 8-room flats.
Owner—Mrs. Daisy L. Tiffany, 3931 Clark St., Oakland.
Architect—None.
Contractor—W. T. Whitford, 421 42nd St., Oakland. $5000

RECORDED

DWELLING
(586) COR PERRY AND JEAN STS., Oakland. All work for two-story dwelling.
Owner—Abel Hosmer, 941 Chestnut St., Oakland.
Architect—Francis Harvey Slocombe and Ephraim Field, 1st Savings
Contractor—George Warren Anderson, 286 Perry St., Oakland.
Filed Feb. 11, '22. Dated Feb. 8, '22.
On 1st day of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $17,622.1[illegible]
Bond, $9000. Sureties, T. Anderson and Norman O. Anderson. Limit, 120 days. Forfeit, none. Plans and specifications filed.

DWELLING
(587) NO. 1727 SAN LORENZO ST., Thousand Oaks, Berkeley. One-story 6-room dwelling.
Owner—W. R. White, 833 Curtis St., Albany.
Architect—None
Day's work. $6250

DWELLINGS
(588) S FORTY-THIRD 500 and 540 E Telegraph, Oakland. Two 1-story 5-room dwellings.
Owner—P. J. Healy, 39 Nace Ave., Piedmont.
Architect—None.
Day's work. $3000 each

DWELLING
(589) S OCEAN VIEW DRIVE 900 E Broadway, Oakland. One-story 9-room dwelling.
Owner—E. Berg, 2136 San Antonio Ave, Alameda.
Architect—None.
Day's work. $5000

DWELLING
(590) S NICOL 60 E Fruitvale, Oakland. One-story 5-room dwelling.
Owner—Wm. Biddiggs.
Architect—None.
Contractor—A. Hebel, 4061 Whittle Ave., Oakland. $2800

DWELLING
(591) W HUBERT ROAD 300 N Grosvener Place. Two-story 6-room dwelling
Owner—Robt. Sherhard, Nottingham Apartments, Oakland.
Architect—None
Contractor—Cox Bros., 2212 Broadway, Oakland. $6000

DWELLING
(594) S NORTH COURT 200 E Pleasant Valley Ave., Oakland. One-story 4-room dwelling.
Owner—George Ernst, 838 46th St., Oakland.
Architect—None.
Day's work. $3000

SERVICE STATION
(595) NE EIGHTH AND FRANKLIN, Oakland. One-story brick service station.
Owner—Union Oil Co. of California, Emeryville.
Architect—None.
Day's work. $8500

DWELLING
(597) W BEST AVE. 240 S Fleming. One-story 5-room dwelling.
Owner—Burritt & Shealey.
Architect—None.
Day's work. $3750

DWELLINGS
(598) E BEST AVE. 240 and 280 S Fleming. Two 1-story 5-room dwellings.
Owner—Burritt & Shealey, 67 Lincoln Ave., Piedmont.
Architect—None.
Day's work. $3750 each

DWELLING
(599) E MANILA AVE. 140 N 45th St., Oakland. One-story 5-room dwelling.
Owner—Whalin & Carlos, Federal Bldg., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(601) S SHAFTER AVE. 568 E Pryal St., Oakland. One-story 5-room dwelling.
Owner—Mrs. D. J. Keane, 2918 Telegraph Ave., Berkeley.
Architect—None.
Contractor—G. B. Peppin, 639 66th St., Oakland. $4000

DWELLING
(603) E VICENTE 50 N Key Route Right of Way, Oakland. One-story 5-room dwelling.
Owner—J. F. Chambers, Plaza Bldg., Oakland.
Architect—None.
Day's work. $3000

DWELLINGS
(604) E LINWOOD AVE. 280 and 320 S Hampel. Two 1-story 5-room dwellings.
Owner—Joseph Kann.
Architect—W. Wilkinson, First Savings Bank Bldg., Oakland.
Day's work. $4000 each

DWELLING
(606) S ROSEMONT ROAD 190 W North Vale Road. Two-story 6-room dwelling.
Owner—Edwin P. James, Bank of Italy Bldg., Oakland.
Architect—Hamilton Murdock, Syndicate Bldg., Oakland.
Contractor—H. M. Frostholm. $7000

RECORDED

CONCRETE FLOOR
(607) W HOLLIS N Yerba Buena Ave, Oakland and Emeryville. Concrete floor.
Owner—Western Electric Co., 12th and Harrison, Oakland.
Architect—None.
Contractor—H. J. Christensen, Federal Bldg., Oakland.
Filed Feb. 14, '22. Dated Feb. 13, '22
First of each month.....75%
Usual 35 days.....25%
COST, $.345 per sq. ft.
Bond, $2309. Surety, Globe Indemnity Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

DWELLING
(608) NO. 631 ENSENADA AVE., Berkeley. One-story 6-room dwelling
Owner—Frank Hulfner, 293 Divisadero St., San Francisco
Architect—None
Contractor—J. H. Hermes, 811 Carmel Ave., Berkeley. $3000

DWELLING
(611) NO. 1050 MARIPOSA AVE., Berkeley. Two-story 8-room dwlg.
Owner—John Miller, 2606 Durant Ave., Berkeley.
Architect—None.
Contractor—R. R. Bixby, 2447½ Webster St., Berkeley. $6000

MARKET
(612) W COLLEGE 256 S Russell, Berkeley. One-story tile market.
Owner—John A. Bischoff, 2717 Russell St., Berkeley.
Architect—None.
Day's work. $6000

ALTERATIONS
(614) 2716 DERBY ST., Berkeley. Alterations and additions.
Owner—20th Century Club.
Architect—None.
Contractor—Louis Engler, 2940 Forest Ave., Berkeley. $1400

DWELLINGS
(615) E CALIFORNIA 120 and 150 S Ashby, Berkeley. Two one-story five-room dwellings.
Owner—Cragmont Land Co.
Architect—None.
Contractor—Jas. W. Brazier, 1912 Blake St., Berkeley. $2500 each

DWELLING
(620) NO. 1373 BERKELEY WAY, Berkeley. One-story 5-room dwlg.
Owner—P. J. Healy, 39 Nace Ave., Piedmont.
Architect—None.
Day's work. $3000

DWELLING
(621) NO. 1017 COLUSA AVE., Berkeley. One-story 6-room dwelling
Owner—G. R. Heath.
Architect—None.
Contractor—H. Parks, 1046 Peralta Ave., Berkeley. $3300

DWELLING
(622) N ESCONDIDO 50 E Alameda, Berkeley. Two-story 7-room dwlg.
Owner—H. C. Pfrang, 5659 Ocean View Drive, Oakland.
Architect—None
Day's work. $7000

DWELLING
(623) W JOSEPHINE 260 N Sonoma Berkeley. One-story 6-room dwlg.
Owner—G. H. Wendt, 1150 The Alameda, Berkeley.
Architect—None.
Day's work. $3000

DWELLING
(624) SE HILLSIDE AVE & HILLside Court, Berkeley. Two-story 8-room dwelling.
Owner—Barker Estate, 2031 Dwight Way, Berkeley.
Architect—None.
Contractor—Roy O. Long Co., 2111 Shattuck Ave., Berkeley $10,000

DWELLING
(625) NO. 730 ARLINGTON ROAD, Berkeley. Two-story 8-room dwlg.
Owner—R. E. McMann, 3754 Ardley Ave., Oakland.
Architect—None
Contractor—Sommarstrom Bros., 1941 24th Ave., Oakland $6500

DWELLINGS
(627) BAY FARM ISLAND, Alameda. Three one-story 5-room dwellings
Owner—E. B. and A. L. Stone, Claus Spreckels Bldg., San Francisco.
Architect—None
Day's work. $2500 each

OFFICE, ETC
(628) BAY ISLAND FARM, Alameda. Office and social hall.
Owner—E. B. and A. L. Stone, Claus Spreckels Bldg. San Francisco

Architect—None
Day's work. $4900

DWELLING
(629) NO. 1324 BAY ST., Alameda. Two-story 9-room dwelling.
Owner—H. Jacobs, 1319 Pacific Ave., Alameda.
Architect—None.
Contractor—S. Morris, 1121 Jefferson St., Oakland. $6000

DWELLING
(630) NO. 1726 SAN JOSE AVE., Alameda. One-story 5-room dwlg.
Owner—S. Lee, 1832 San Antonio Ave., Alameda.
Architect—None.
Day's work $3500

DWELLING
(631) NO. 1508 SCHILLER ST., Alameda. One-story 5-room dwlg.
Owner—A. Kist, 2101 Eagle Ave., Ala. Alameda.
Architect—None.
Contractor—A. C. Christensen, 4121 Redding St., Oakland. $3700

ALTERATIONS
(632) NO. 1517 WILLOW ST., Alameda Alterations.
Owner—A. Kist, 2101 Eagle Ave., Ala. Alameda.
Architect—None.
Contractor—A. C. Christensen, 4121 Redding St., Oakland. 3800

DWELLING
(633) S E-THIRTY-FIRST 210 E 14th Ave., Oakland. One-story 5-room dwelling.
Owner—N. P. Lindholm, 1537 E-31st St., Oakland.
Architect—None.
Day's work. $2500

DWELLINGS
(635) S VIRGINIA AVE 45 and 80 E Beverly, Oakland. Two one-story 5-room dwellings.
Owner—C. W. Glantz, 4611 Virginia Ave., Oakland.
Architect—None.
Day's work. $2500 each

DWELLING
(636) S KEITH AVE 580 W Broadway, Oakland. Two-story 6-room dwelling.
Owner—H. E. Frick, 1003 E-11th St., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Day's work. $5250

DWELLING
(637) W MARKET 100 N 38th, Oakland. One and one-half story 5-room dwelling.
Owner—J. M. McLean, 2708 Adeline St, Oakland.
Architect—None.
Contractor—E. W. Snider, 3538 Telegraph, Ave., Oakland. $3000

DWELLING
(639) S BRANN 118 W 67th Ave., Oakland. One-story 4-room dwelling.
Owner—T. A. Speck, 973 92nd Ave., Oakland.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Day's work. $2500

DWELLING
(640) S MONADNOCK WAY 150 W 62nd Ave., Oakland. One-story 5-room dwelling.
Owner—W. H. Reyburn, 5935 Murianatana Ave., Oakland.
Architect—None.
Contractor—D. W. Van Horn, Oakland. $2500

DWELLING
(641) N NEVIL 35 W 38th Ave., Oakland. One-story 5-room dwelling.
Owner—Jos. T. Hinch, Federal Bldg., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(643) E ARDLEY 165 S Hampel, Oakland. One-story 5-room dwelling.
Owner—W. R. Allen, 2224 19th Ave., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(644) N CAVANAUGH AVE. 490 E Mathews, Oakland. One-story 6-room dwelling.
Owner—Walter H. Leimert Co., Realty Syndicate Bldg., Oakland.
Architect—Reed & Corbett, Oakland Bank of Savings Bldg., Oakland.
Contractor—A. Cederborg, 1445 E-37th St., Oakland. $7450

DWELLING
(645) S CAVANAUGH ROAD 515 E Mathews, Oakland. Two-story 8-room dwelling.
Owner—Walter H. Leimert Co., Realty Syndicate Bldg., Oakland.
Architect—Reed & Corbett, Oakland Bank of Savings Bldg., Oakland.
Contractor—A. Cederborg, 1445 E-37th St., Oakland. $10,000

DWELLING
(646) S CAVANAUGH ROAD 421 E Mathews, Oakland. Two-story 7-room dwelling.
Owner—Walter H. Leimert Co., Realty Syndicate Bldg., Oakland.
Architect—Reed & Corbett, Oakland Bank of Savings Bldg., Oakland.
Contractor—A. Cederborg, 1445 E-37th St., Oakland. $9000

DWELLING
(647) N CAVANAUGH AVE. 380 E Mathews, Oakland. One-story 6-room dwelling.
Owner—Walter H. Leimert Co., Realty Syndicate Bldg., Oakland.
Architect—Reed & Corbett, Oakland Bank of Savings Bldg., Oakland.
Contractor—A. Cederborg, 1445 E-37th St., Oakland. $8100

DWELLING
(650) N BROMLEY 400 E 61st Ave., Oakland. One-story 5-room dwelling.
Owner—Chas. Dives, 102 North St., San Jose.
Architect—None.
Contractor—J. B. Petersen, 2053 38th Ave., Oakland. $3000

DWELLING
(651) E ROCKWELL 130 N Floris, Oakland. Two-story 8-room dwelling.
Owner—J. A. Marshall, 18 Tanglewood Road, Berkeley.
Architect—None.
Day's work. $5000

ALTERATIONS
(652) NO. 517 FIFTEENTH, Oakland. Alterations and repairs.
Owner—Fred T. Wood Co., Oakland.
Architect—None.
Contractor—F. T. Kennedy, 434 9th St. Oakland. $1000

DWELLING
(653) S MOUNTAIN AVE. 450 E Seminary Ave., Oakland. One-story 5-room dwelling.
Owner—K. H. Seeman, 640 Williams St., Oakland.
Architect—None.
Contractor—R. K. Noble, 3060 Kansas St., Oakland. $2500

RECORDED

DWELLING
(654) LOT 4 BLK 16, Lakeshore Highlands, Oakland. All work for two-story 8-room dwelling.
Owner—Ludwig and Martha Stettner, 1007 Allendale Ave., Oakland.
Architect—Harry A. Thomas.
Contractor—Chester A. Gossett 327 Davis Court, San Leandro.
Filed Feb. 15, '22. Dated Feb. 14, '22.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $5500
Bond, $[illegible]. Sureties, C. W. Lannon and C. F. Gilbert Limit, 110 days. Forfeit, none. Plans and specifications filed.

DWELLING
(655) S ROSEMONT ROAD being Lot 18 Blk 14, Lakeshore Highlands, Oakland. All work except plumbing and painting for two-story frame dwelling.
Owner—Edwin P. James, Bank of Italy Bldg., Oakland.
Architect—Hamilton Murdock, Syndicate Bldg., Oakland.
Contractor—H. M. Frostholm, Oakland.
Filed Feb. 14, '22. Dated Feb. 9, '22.
Roof on ..... ¼
Plastered ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $5300
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Feb. 15, '22. No. 606.

(656) PLUMBING ON ABOVE.
Contractor—W. H. Picard, 5656 College Ave., Oakland.
Filed Feb. 14, '22. Dated Feb. 9, '22.
Roughed in $211.50
Completed 211.50
Usual 35 days..... 142.00
TOTAL COST, $565.00
Bond, none Limit, 120 days. Forfeit, none. Plans and specifications filed.

(657) PAINTING ON ABOVE.
Contractor—Oscar Bruck.
Filed Feb. 14, '2. Dated Feb. 9, '22.
½ completed $196.50
Completed 196.50
Usual 35 days..... 132.00
TOTAL COST, $525.00
Bond, none. Limit, 120 days. Forfeit none. Plans and specifications filed.

WAREHOUSE
(658) NW FIFTH AND CYPRESS W 131.25 N 186.50 E 131.25 S 186.50, Oakland All work for one-story brick warehouse.
Owner—John L. and Joseph Z. Todd, Peralta Apts., Oakland.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland.
Filed Feb. 14, '22. Dated Feb. 8, '22.
Foundations in $1800
Filling in 1500
Brick work ready for ceiling joists 6000
Roof on 6000
Completed 3450
Usual 35 days 6250
TOTAL COST $25,000
Bond, $12,500 Sureties G. A. Scott and J. F. Smith Limit, 90 days. Forfeit none. Plans and specifications filed.

FRAME BLDG
(659) SW E ELEVENTH AND W Second Ave SW 300 th at right angles to the outlet Lake Merritt N to pt 300 NW pt beg th 72 to E-11th St th 300 to pt. beg except 80x100 at NE Cor above pp'ty and

ppty 126 S aforesaid pt beg. 25x 100, Oakland. Excavation, grading, concrete, carpenter, roofing, iron, sheet metal and painting for three-story frame building.
Owner—Public Health Center of Alameda County.
Architect—Constr. Dept. Oakland Board of Education
Contractor—W. C. Thornalley, 351 12th St., Oakland.
Filed Feb. 14, '22. Dated Feb. 14, '22.
3rd of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $37,305.20
Bond, $18,655. Surety, Globe Indemnity Co. Limit, 120 days. Forfeit, none. Plans and specifications filed.

(660) ELECTRIC WORK ON ABOVE.
Contractor—Robert King (King's Electrical Co.), 459 36th St., Oakland.
Filed Feb. 14, '22. Dated Feb. 9, '22
Payments same as above.....
TOTAL COST, $4,337
Bond, $2,168.50. Surety, Globe Indemnity Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

(661) LATHING AND PLASTERING on above.
Contractor—George Dixon, 541 Apgar, Oakland.
Filed Feb. 14, '22. Dated Feb. 9, '22
Payments same as above.....
TOTAL COST, $6,987
Bond, $3,493.50. Surety, Globe, Indemnity Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

DWELLING
(662) S RAMONA AVE near Bonita, Piedmont. Two-story frame dwlg.
Owner—Piedmont Properties Co.
Architect—None.
Day's work. $6000

DWELLING
(663) NO. 14 MOSSWOOD ROAD, Berkeley. Two-story 5-room dwelling.
Owner—R. H. Baird, Premises
Architect—None.
Contractor—Ben Pearson, 2403 Grant St., Berkeley. $3000

FLATS
(664) NO. 2522-24-26-28 GRANT ST., Berkeley. Two-story 12-room flats
Owner—M. C. Ahrens, 2526 Grant St., Berkeley.
Architect—None.
Day's work. $8000

DWELLING
(665) NO. 740 CONTRA COSTA AVE., Berkeley. One-story 6-room dwlg.
Owner—F. E. Romie, 418 Newton Ave., Oakland
Architect—None.
Contractor—Leslie R. Wilson, 2216 Blake St., Berkeley. $4000

DWELLING
(666) NO. 2519 CALIFORNIA ST., Berkeley. One-story 4-room dwlg.
Owner—E. Johnson, 223 Greenbank Av Piedmont
Architect—None.
Contractor—Louis Johnson & Son, 223 Greenbank Ave., Piedmont $2500

DWELLING
(667) NO. 1633 TACOMA ST., Berkeley One-story 6-room dwelling
Owner—J. Lehman, 959 Apgar St., Berkeley.
Architect—None.
Day's work $4000

DWELLING
(668) N EXCELSIOR AVE. 200 E Haddon Road. One and one-half story 6-room dwelling
Owner—Lakeshore Highlands Co.
Architect—None.
Contractor—John Carson, 50 Yosemite Ave., Oakland. $5000

DWELLING
(669) W ROSEDALE AVE. 197 S Foothill Blvd., Oakland. One-story 5-room dwelling.
Owner—Chas. Wiren, 2412 Fruitvale Ave., Oakland.
Architect—None.
Day's work. $2600

DWELLING
(670) N EXCELSIOR 75 E Spruce, Oakland. Two-story 8-room dwelling.
Owner—Ludwig Stettner, 4007 Allendale Ave., Oakland.
Architect—None.
Contractor—C. A. Gossett, 327 Davis Court, San Leandro. $9500

DWELLING
(673) N SANTA RAY 600 W Carlston, Oakland. One-story 5-room dwelling.
Owner—H. Goranson, 3476 Laguna Ave., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(674) E KINGSLAND AVE. 40 N El Camile, Oakland. One-story 5-room dwelling.
Owner—Glantz & Flagg, 4607 Virginia St., Oakland.
Architect—None.
Day's work. $3000

ALTERATIONS
(675) NO. 1538 BROADWAY, Oakland. Alterations.
Owner—M. Hymans, Berkeley.
Architect—None.
Contractor—L. & E. Emanuel, Inc., 1530 Filbert St., San Francisco. $2500

DWELLING
(676) EAST NINETIETH AVE. 85 N Walnut, Oakland. One-story 5-room dwelling.
Owner—A. Ambuhl, 1600 90th Ave., Oakland.
Architect—None.
Contractor—A. Taylor, 1709 89th Ave., Oakland. $3000

DWELLING
(677) S EAST TWENTY-SEVENTH 300 W 21st Ave., Oakland. One-story 6-room dwelling.
Owner—C. B. Cort, 306 14th St., Oakland.
Architect—None.
Day's work. $3990

DWELLINGS
(678) S HARVEY 105 and 145 W 57th Ave., Oakland. Two 1-story 5-room dwellings.
Owner—M. Page, 2060 55th Ave., Oakland.
Architect—None.
Contractor—J. Sea, 5521 Harvey Ave., Oakland. $4000 each

RECORDED

DWELLING
(679) E BAY 200 N San Antonio Ave., E 150 N 50, Alameda. Two-story and basement frame dwelling
Owner—Henry C. Hacke, Alameda
Architect — Carl Werner, Humboldt Bank Bldg., San Francisco
Contractor—Clarke & Allen, 5805 Harmon Ave., Oakland.
Filed Feb. 16, '22. Dated Feb. 14, '22
Rough plumbing in $1700
Electric wiring completed..... 1800
Completed and accepted..... 2050
Usual 35 days..... 1850
TOTAL COST, $7400
Bond, $3700. Sureties, Ralph M. Alexander and Robert Wm. Lee. Limit 90 days. Forfeit none. Plans and specifications filed

DWELLING
(680) LOT 38 MAP WILDWOOD GARdens No. 2, Piedmont. All work except plastering, hardwood floors, priming, plumbing, gas fitting, marble and electric work and canvas, for a two-story and basement frame dwelling and garage.
Owners—Eleanor Uhl Dawson and H. Ward Dawson, 304 Hillside Ave., Oakland.
Architect—Albert Farr, 68 Post St., San Francisco.
Contractor—Alfred Peterson, 3918 Lynwood Ave., Oakland.
Filed Feb. 16, '22. Dated Feb. 14, '22
1st and 15th each month.....75%
Usual 35 days.....25%
TOTAL COST, $9500
Bond, none. Limit, 120 days. Forfeit, $5 day. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
Feb. 16, 1922—NO. 2217 LINCOLN Ave., Alameda. P Bareilles to F C Stolte.....Jan. 12, 1922
Feb 16, 1922—NO. 2136 THIRTEENTH Ave., Oakland. William Nightingale to J A McCord....Feb. 11, 1922
Feb. 15, 1922—W MYRTLE bet. 3rd and 5th Sts. being No. 345-347, Oakland. John Raimondi to Harry Wessel.....Feb. 14, 1922
Feb. 15, 1922—LOT 11 BLK 1, Map Dwight Way Terrace, Berkeley. William F Neary to whom it may concern.....Feb. 1, 1922
Feb. 14, 1922—LOT 27 BLK 2094, Temescal Tract, Oakland. E P Leroy to Thomas Rutherford.....Feb. 10, 1927
Feb. 14, 1922—LOT 18 BLK 1, Thousand Oaks Station Tract, Berkeley. Joseph Berry to whom it may concern.....Feb. 17, 1922
Feb. 10, 1922—NE GRAND AVE AND Webster, Oakland. H A Mitchell to F A Muller.....Feb. 10, 1922
Feb. 16, 1922—EIGHTEENTH AND Market, 20th and Broadway and 21st and Telegraph Ave., Oakland. Southern Pacific Co to Hutchinson Co.....Feb. 7, 1922
Feb. 10, 1922—LOTS 92 AND 93 Map Oakland Prospect Homestead, ——, D L and R S Hilson to E C Hiester (Advance Electric Co)..Jan. 3, 1922
Feb. 10, 1922—E SIXTEENTH ST. Station, Oakland. Southern Pacific Co to Hutchinson Co....Feb. 6, 1922
Feb. 11, 1922—LOT 15 BLK 1, Lakeshore Highland, Oakland. W F Harris to Fred J Westlund.....Feb. 10, 1922
Feb. 11, 1922—E OXFORD 220 N Cedar E 134-7xS 36-8, Berkeley. Charles E Crane to whom it may concern.....Feb. 1, 1922
Feb. 10, 1922—N FLEMING AV 402.80 W Seminary Ave, Oakland. K M Morse to Alex C Wieben.Feb. 8, 1922
Feb. 10, 1922—LOT 100 Map Piedmont by-The-Lake, Oakland. Louise F Kingsland to Earl B Leonard.....—, 1922
Feb. 10 1922—W HENRY 170 N Cedar 35x135, Berkeley. Edith Sprague by P E Marquis to whom it may concern..... Feb. 9, 1922

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
Feb 14 1922—N SANTA CLARA AV 75 W Benton W 30xN 90, Alameda M F Wise vs Marie Redon ..$866.62
Feb. 11 1922—LOT 13 BLK 1, Map Herzog Tract, Oakland Henry Cowell Lime & Cement Co vs A L and D B Bankhead.....$199.71
Feb. 11, 1922—S SIXTY-SECOND 69 E Shattuck Ave E 31xS 69-6, Oak-

land. Al M Fearey vs Prudence A Taylor $223.29
Feb. 11, 1922—LOT 13 BLK "M" Map Herzog Tct, Oakland. Al M Fearey vs D B and A L Bankhead....$723.70
Feb. 10, 1922—N RICH 65 W Webster Oakland. Marshall & Stearns Co vs Joseph F Rogers.....$96

Notice of Non-Responsibility

ALAMEDA COUNTY.

Feb. 16, 1922—NO. 2121 BROADWAY Oakland. August C Nor as to improvements on property.....
Feb. 10, 1922—PT. OPP. AND AT right angles to Engineer Station No. 6 plus 30 on Railroad Company's main tract Niles to San Jose W 41.5xN 45, ———. Southern Pacific Company as to improvements on property.....

HOMESTEADS

ALAMEDA COUNTY

Feb. 16, 1922—W 25 LOT G and E 10 Lot F Blk 5, Map Westerly ½ Blk 5, Curtis Tract, Berkeley. John Miller $5000
Feb. 16, 1922—W MIRA VISTA AVE 175.46 N Alta Vista Ave NE 30 NW 100.95 SW 60 SE 97.77, Oakland. A S Pencovic $5000
Feb. 15, 1922—LOT 7 BLK 1, Map Hopkins Terrace No. 4, Berkeley. Mary O Schueler(wf Harry J).$10,000
Feb. 15, 1922—N EIGHTH 164-8½ W Peralta N 138-3½ W 28 S 146-6 E 29-2, Oakland. Rita G Madden Montgomery (wf James P)....$4000
Feb. 15, 1922—NW PEARL 135 NE San Jose Ave NE 45 NW 200 SW 40 SE 75 SW 5 SE 125, Alameda. H W Roebke $5000
Feb. 16, 1922—LOT 24 BLK 3, A Revised Map of Rock Ridge Park, Oakland. Sarah Ellen McKay (wf J Stuart) $5000
Feb. 14, 1922—LOT 4 BLK 5, Map Steinway Terrace, Oakland. John A Howard $5000
Feb. 10, 1922—PTN LOT 165 Map Encinal Park Tct, Alameda. Joseph F Hurley $4500

EXTENSION OF BUILDING CONTRACT

ALAMEDA COUNTY

Feb. 14, 1922—Southern Pacific Co. with Hutchinson Co. Original dated Nov. 5, 1921; 30 days more granted. Dated January 18, 1922.

BUILDING CONTRACTS

SANTA CLARA COUNTY

$1,000 And Over Reported

COTTAGE
NO. 243 S-TENTH ST., San Jose. Six-room cottage.
Owner—Mrs. Cline.
Architect—None.
Contractor—H. De Smet, 230 Terraine St., San Jose. $3650

ALTERATIONS
SHORTRIDGE ST. near 24th, San Jose. Alter barn into living apartments.
Owner—R. Allen.
Architect—None.
Contractor—A. H. Petrie. $1600

COTTAGES
JEROME ST. near Delmas, San Jose. Two five-room cottage.
Owner—P. L. Roberts, 410 Josefa St., San Jose.
Architect—None.
Contractor—E. A. Roberts. $2750 each

ALTERATIONS
NO. 630 N-FIFTH ST., San Jose. Rebuild mission.
Owner—Japanese Budhist Corp.
Architect—None.
Day's work. $3000

COTTAGE
NO. 330 N-TWENTY-FIRST ST., San Jose. Five-room cottage.
Owner—N. Vassallo, 344 N-21st St., San Jose.
Architect—None.
Day's work. $1900

COTTAGE
N-TWENTY-FOURTH ST. near St. John St., San Jose. Five-room cottage.
Owner—T. O. Ennis.
Architect—None.
Day's work. $1000

ADDITION
NO. 210 W-SANTA CLARA ST., San Jose. One-story brick addition.
Owner—H. J. Pascoe, 220 W-Santa Clara St., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—Benj. Quimet. $3500

ALTERATIONS
MARKET AND SAN CARLOS STS., San Jose. Alter into apartments.
Owner—F. Niggerman, Julian and Montgomery Sts., San Jose.
Architect—Chas. S. McKenzie. 213 S-12th St., San Jose
Day's work. $1000

COTTAGE
ATLANTA near Delmas St., San Jose Five-room cottage.
Owner—Ira M. Conden.
Architect—None.
Day's work. $2200

COTTAGE
S-FIFTH ST. near William St., San Jose. Six-room cottage.
Owner—Forrest Bruch, 899 Bird St., San Jose.
Architect—Wesley Hastings, 524 East St. James St., San Jose.
Contractor—Hastings Bros. $4600

ALTERATIONS
NO. 28 S-EIGHTH ST., San Jose. Alter into apartments.
Owner—C. N. Smith, 605 E-Julian St., San Jose.
Architect—None.
Day's work. $1500

CONCRETE BLDG.
SAN JOSE. All work for one-story reinforced concrete building.
Owner — Nicholas Bowden, Bank of Italy Bldg., San Jose.
Architect—J. H. Powers, San Francisco
Contractor—Edward G. Cahill. 110 Sutter St., San Francisco.
Filed Feb. 11, 22. Dated Feb. 7, '22.
Completion of grading and foundation $1500
Completion of all concrete walls 2000

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Filing Notice of Completion.. 3200
Usual 35 days..... 2565
TOTAL COST, $9265
Bond, $10,000. Surety. John R. Cahill Limit, 60 working days after Feb. 13, 1922. Forfeit, $1. Plans and specifications filed.

STORE BLDG.
MORGAN HILL. All work for one-story reinforced concrete store building.
Owner—Morgan Hill Farmers Union, Morgan Hill, Calif.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—John Gales, Morgan Hill.
Filed Feb. 11, '22. Dated Jan. 30, '22.
Foundation in 25 %.....$5686.89
Walls poured and roof structure-completed 5686.89
Upon completion 5686.89
Usual 35 days..... 5686.89
TOTAL COST, $22,747.56
Bond, $11,205.70. Sureties, W. H. Bone, F. Dolan, Myra Dolan and J. J. Neilsen. Limit, 90 working days from Jan 30, 1922. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Feb. 14, 1922—SAN JOSE. Theodore Jesse Leland to whom it may concern.....Feb 13, 1922
Feb. 14, 1922—PALO ALTO. R B Cherington to Harold R Moss.....Feb. 8, 1922
Feb. 15, 1922—PALO ALTO. Glenn C and Elsa H Kenyon to The Minton Co.....Feb. 1, 1922
Feb. 9, 1922—SAN JOSE. Charles Champagne to whom it may concern.....Feb. 8, 1922
Feb. 10, 1922—STANFORD UNIVERsity. W J Crook to George Jacobsen.....Feb. 6, 1922
Feb. 11, 1922—PALO ALTO. J W Wells to whom it may concern.....Feb. 1, 1922

BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 And Over Reported

DWELLING
NO. 3701 T ST., Sacramento. One-story 6-room dwelling.
Owner—Matthew Neil, Premises.
Architect—None.
Contractor—J. W. Brown, 3410 38th St., Sacramento. $5500

DWELLING
NO. 1422 FORTY-FIRST ST., Sacramento. One-story 6-room dwlg.
Owner—D. G. Milbrath, 817 J St., Sacramento.
Architect—None.
Contractor—J. W. Brown, 3410 38th St., Sacramento. $5500

DWELLING
NO. 2431 U ST., Sacramento. One-story 5-room dwelling.
Owner—T. Schluckebier, 2660 Marshall Way, Sacramento.
Architect—None.
Day's work. $3800

DWELLING
NO. 3224 D ST., Sacramento. One-story five-room dwelling.
Owner—J. R. Bell, 3217 E St., Sacramento.
Architect—None.
Day's work. $2500

DWELLING
NO. 3232 D ST., Sacramento. One-story five-room dwelling.

Owner—J. R. Bell, 3217 E St., Sacramento.
Architect—None.
Day's work. $2500

DWELLING
NO. 5209 FOURTH AVE., Sacramento. One-story 4-room dwelling.
Owner—T. K. Schulze, 5201 34th Ave., Sacramento.
Architect—None.
Contractor—Cockrum & Anthony, Box 135 R. F. D. 3, Sacramento. $2500

DWELLING
NO. 226 TWENTY-FIRST ST., Sacramento. One-story 5-room dwelling.
Owner—Walter C. Eck, 14th and G Sts., Sacramento.
Architect—None.
Contractor—Thos. B. Hunt, 2926 S St., Sacramento. $2900

DWELLING
NO. 1430 FORTIETH, Sacramento. Two-story 7-room dwelling.
Owner—M. J. Ferguson, 2511 Q St., Sacramento.
Architect—None.
Contractor, E. D. Beber, 313 J St., Sacramento. $9500

DWELLING
NO. 2257 SECOND ST., Sacramento. One-story frame dwelling.
Owner—J. Kieve, 2257 2nd St., Sacramento.
Architect—None.
Day's work. $4000

DWELLING
NO. 3432 FIFTY-SECOND, Sacramento. One-story 5-room dwelling.
Owner—Joe Verga, 3720 53rd St., Sacramento.
Architect—None.
Contractor—L. V. Best, 3561 7th St., Sacramento. $2500

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Feb. 6, 1922—LOTS 1 TO 8 and alley N. O. 24th & 25th Sts, Sacramento. Sacramento City School District to K. E Parker Co.....Jan. 30, 1922

LIENS FILED

SACRAMENTO COUNTY.

Recorded Amount
Feb. 8, 1922—E ½ LOT 7, H. 1, 21st and 22nd Sts., Sacramento. L R Cross vs J W Case, E E Summons, Mrs. Pearl Jones and J F (vire) $145.30
Feb. 4, 1922—N 40 FT. LOT 15, Alta Vista Sub. Viggo Pingel vs Phoebe Emma Diedrick and Newman Jelly Diedrick $211

Notice of Non-Responsibility

SACRAMENTO COUNTY

Feb. 8, 1922—LOTS 2825 AND 2826, Elmhurst. C M Goethe as to improvements on property .....

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

$2,500 And Over Reported

RESIDENCE
S SAN JOAQUIN ST., Stockton. Residence.
Owner—C. E. Hill, 1527 S San Joaquin St., Stockton.
Architect—None.
Day's work. $2800

RESIDENCE
SIERRA NEVADA ST., Stockton. Residence.
Owner—A. F. Javette.
Architect—None.
Day's work. $3800

RESIDENCE
VERNAL WAY, Stockton. Residence.
Owner—W. H. Cole.
Architect—None.
Day's work. $4000

RESIDENCE
N-LEXINGTON ST., Stockton. Residence.
Owner—Charles Jory, 847 E-Hazelton St., Stockton.
Architect—None.
Day's work. $4200

RESIDENCE
S-SUTTER ST., Stockton. Residence.
Owner—Julia A. Whelan.
Architect—None.
Day's work. $6000

RESIDENCE
VERNAL WAY, Stockton. Residence.
Owner—R. L. Kitchen.
Architect—None.
Day's work. $4400

RESIDENCE
E-PINCHOT ST., Stockton. Residence.
Owner—Sadie L. Ames.
Architect—None.
Day's work. $3000

BUILDING CONTRACTS

FRESNO COUNTY

$5,000 And Over Reported

DWELLING
NO. 2955 VENTURA AVE., Fresno. Dwelling.
Owner—Schouse & Mischler.
Architect—None.
Contractor—Yarnell & Garges, 1026 S-4th St., Fresno. $6500

OFFICE BLDG.
NO. 1221-35 J ST., Fresno. Office building.
Owner—Brix Estate, 2844 Fresno St., Fresno.
Architect—None.
Day's work. $300,000

LIENS FILED

FRESNO COUNTY

Recorded Amount
Feb. 15, 1922—LOTS 13 AND 44, Fresno. L K Cone vs M Surabian...$242
Feb. 15, 1922—LOTS 5 AND 6 BLK 368, Fresno. Shorb & Neads, $610; Valley Lumber Co, $230; Barrett-Hicks Co, $335; Fresno Electric Co, $120; Fresno Planing Mill Co, $139 vs Edw A White .....
Feb. 9, 1922—LOT 7 BLK 23, Vista Tract, Fresno. A T Holman vs C F Ahlberg $91.50

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COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Feb. 15, 1922—PTN LOT 47, Burlingame Heights, Burlingame. Thomas N Gesso to whom it may concern.....Feb. 13, 1922
Feb. 11, 1922—LOT 23 and S ½ Lot 24 Blk 2, De Coulon Sbdvn, City of Burlingame. Thomas H Tighe to whom it may concern..Feb. 10, 1922

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
Feb. 10, 1922—ON RALSTON AVE. Belmont ¼ to ⅓ mile west of Station, Belmont, Calif. Mott Company of California vs George Zaro (Annette S Alexander, owner).... ..... $2,815.40

PETRIUM SINK COMPANY HAS OFFICE EXHIBIT

An office that looks like a kitchen is being installed by the Petrium Sanitary Sink Co., manufacturers of a patented sanitary sink, at their plant at Fifth and Page Streets, Berkeley.

When it came time to remodel the firm's general offices, W. C. Goodwin, secretary of the company, conceived the idea of combining office utility with good advertising.

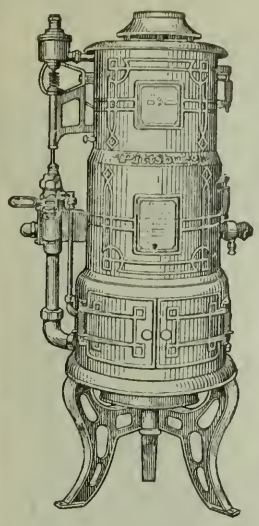
A large paart of the outer office has been made into what appears to be a portion of a kitchen. The central feature of the display is a Petrium sink, the glossy, snow-whiteness of which will be matched by enameled woodwork and tiled-paper wall coverings.

Dummy windows are being put in and they are to be hung with kitchen curtains. Even the safe is to be camouflaged in white-enamel to give the appearance of a refrigerator and the drawers below the sink are designed to serve as filling cases.

When completed the display will give an excellent representation of a modern, model kitchen and a graphic demonstration of the way the Petrium Sanitary Sink takes its place with the other modern, popular pieces of equipment for the kitchen as well as affording utility as office space.

EIGHT MILLION IN JANUARY LOS ANGELES BUILDING TOTALS

Building in Los Angeles for 1922 has started off well, a total of 3416 permits with an estimated valuation of $7,975,169 having been issued during the month of January. Compared with January, 1921, this is a gain of 141 per cent. The total was exceeded in only four months of 1921, September, October, November and December. The showing for January is remarkable because of adverse weather conditions which prevailed. Ordinary building operations continued to make up the bulk of the total. Permits were issued for 6 Class A reinforced concrete buildings with a total valuation of $807,870 and 56 Class C structures with a valuation of $692,528. Housing activities continue on a large scale. Permits were issued for 1303 dwellings, flats and apartment houses with an estimated valuation of $3,990,652. These comprised 96 apartment houses, 1085 single and 346 double dwellings and 188 flats, providing accommodation for 1675 families or approximately 7500 persons. Housing activities comprised 38.2 per cent of the total number of permits and 50 per cent of the total valuation for the entire month.



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SAN FRANCISCO, CALIF., FEBRUARY 25, 1922

Published Every Saturday
Twenty-second Year No. 8

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday | SAN FRANCISCO, CALIF., FEBRUARY 25, 1922 | Twenty-second Year No. 8

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SAN FRANCISCO GAINS NEW INDUSTRIES IN 1921

Two hundred and sixty-eight new factories, with an estimated annual payroll of more than $3,500,000 and employing 1818 workers, were established in San Francisco in 1921—a decidedly off year for industrial expansion. These figures are taken from a report by the industrial department of the San Francisco Chamber of Commerce. The department points out that the showing is an exceptionally good one when comparative facts are taken into consideration.

During 1920, which was a banner year for San Francisco from an industrial standpoint, 321 new factories were established, employing 3042 workers and having an estimated payroll of $5,800,000.

"The ratio of increase shown for the last two years, if continued," says San Francisco Business, "easily will maintain San Francisco's position as the premier manufacturing city of the Pacific Coast. The decline in the metal trades has been more than offset in other lines, particularly by the manufacturers of foodstuffs."

It is estimated that the number of factory employes in San Francisco today is in excess of 85,000.

BIDS ASKED FOR SUTTER HIGHWAY PROJECTS.

Oscar W. Lanzendorf, Sutter County Road Engineer, announces bids will be opened March 7 for constructing the Long Bridge-Tarke road, 2.55 miles of Butte House Rock, 15 feet wide and 6 inches thick. The estimated cost is $29,400. Separate bids will be considered on the same date for constructing a portion of the Meridian-Kirksville road. This stretch will consist of a reinforced concrete pavement, 15 ft. wide and 5 in. thick and will cost, $9500.

ADEQUATE MOTOR VEHICLE FEES A NATIONAL PROBLEM

In view of the general sentiment arising in California demanding that the users of highways, who are the direct beneficiaries of the construction of improved county and state systems, bear a larger and more equitable share of the cost of construction and maintaining of such highways, it is interesting to note that the problem is not peculiar to California, except that in this State the situation as regards excessive loads and low fees is more aggravated than in almost any other good roads state. Evidence of the national character of the problem is contained in the following resolution adopted at the annual meeting of State Highway officials held December 8, at Omaha, Nebraska:

"Whereas, By far the greater portion of the cost of modern highway construction and maintenance is due to the necessity of adequately providing for the movement of persons and goods by motor vehicles, and

'Whereas, The taxes imposed upon real and personal property have, in many states, reached almost the maximum possible to be borne under present economic conditions, and

"Whereas, The principal users of our highways, the operators of motor vehicles, can be justly charged an adequate amount for benefits derived and savings secured from and by our program of highway construction and maintenance, and

"Whereas, In most of our states the owners of motor vehicles are paying an insufficient portion of the cost of the state's highway program, as compared to the portion of the cost raised by taxation on general property, despite the fact that the individual owner is always willing to pay his fair share of the cost.

"Now, therefore, Be It Resolved, by the American Association of State Highway Officials, that we urge upon all states the fairness and the necessity of collecting an adequate portion of the cost of highway programs from the users of motor vehicles. This fair share is not only the cost of maintenance of modern highways, but includes also a fair proportion of the cost of new construction, because much of this latter cost is due to the necessity of adequately providing for motor traffic.

"Be it Further Resolved, That we recommend appeals to the individual motorist for his support of this policy of providing for a fair distribution of the cost of highway improvement, because we believe that when he is made to realize that only in this way can a continuance of the required highway program be guaranteed to him, he will, being a fair minded American citizen, readily respond to such appeals."

STOCKTON ARCHITECTS THANK BUILDING AND ENGINEERING NEWS

WHEREAS, The Building and Engineering News has generously given the Stockton Architects' Association the free use of its columns, thereby securing the Association much valuable publicity in connection with the recent Architectural and Building Exhibit held at the Hotel Clark in Stockton; now, therefore,

BE IT RESOLVED by the Stockton Architects' Association, in meeting assembled, that the Building and Engineering News be and is hereby extended a vote of thanks for its generous cooperation and assistance in giving publicity to the Architectural and Building Exhibit and the proceedings of this Association, and that this resolution be spread on the minutes of the Association and an autographic copy of the same be sent to The Building and Engineering News.

Passed February 10th, 1922.

(Signed) GLENN ALLEN,
President.
J. M. BURKE,
Secretary.

SAN FRANCISCO BUILDING PERMITS IN 1921

According to a report compiled by Chief Inspector of Buildings John J. Horgan, 1009 one-family dwellings were erected in San Francisco during the year 1921, these costing in the neighborhood of $4,266,960. Two-family dwellings totaled 228 in number and are estimated to cost $2,076,000. Buildings housing three or more families numbered 171 with a total valuation of $3,770,102—these structures housing 1218 families. One hotel costing $128,000 and one lodging house costing $27,000 brings the total amount of new residential construction for the year up to 1410 buildings with a total valuation of $10,268,068. Alterations repairs and additions to residential buildings for the entire year totaled $3,638,783.

Fourteen recreation structures, including theatres, dance halls, etc., were erected at a cost of $2,215,800. Office and bank buildings, 13 in number, total $2,311,500. School construction totaled $1,624,354. Public garages, 17 in all, $495,975; 32 factory buildings, $292,888; 2 churches, $62,000, 43 gasoline service stations, $104,750; 219 private garages, $92,119; 2 hospitals, $400,000 and 55 commercial structures, $659,837.

U. S. ROAD BUREAU FINDS DIFFICULTY IN SECURING ROAD DATA

With the annual expenditure for roads and streets in the United States approaching the billion-dollar mark, more accurate information and better means for obtaining it seem necessary. This is according to the Bureau of Public Roads of the United States Department of Agriculture.

One thing very much needed is the concentration of all sorts of information and statistics concerning the roads of the various States in the State highway departments, says the bureau.

Engineers of the department are now gathering complete information regarding the road mileage and expenditures in the United States. In many of the States much of the information desired is easily obtainable from the State Highway Department. In the case of Iowa the figures were obtained almost immediately. In other cases it has been necessary to send out numerous questionaires and sometimes the information has been obtained only after personal visits.

In one State 1,800 questionnaires had to be sent out to bring in the needed figures, and in some it has been found that practically no records have been kept. For some of the counties in New Mexico questionnaires had to be translated into Spanish before the road officials could understand them.

The Observer

Although no general improvement is noted in unemployment conditions, a feeling of optimism for 1922 prevails throughout California. J. A. Kelly, acting district director of the Employment Division of the U. S. Department of Labor, so declares in his monthly, recently issued.

Extracts from Kelly's report covers California cities as follows:

San Francisco: Greatest falling off of employment occurs in food and kindred products. Iron and steel and shipbuilding at a standstill. Building active. Shortage of plasterers. Miscellaneous group shows about 17 per cent increase in employment. Excepting iron and steel trades, most of the unemployment is confined to this group. Despite large housing program, building shortage exists. Desirable homes at moderate rents very scarce.

Oakland: No improvements in employment conditions, aside from building which is booming and as a consequence is keeping the lumber industry above normal. All other industries below normal. Iron and steel 75 per cent below. Shipbuilding at standstill: only repairs. Housing situation somewhat easier.

Berkeley: Unemployment confined to common labor, iron and steel trades. Building active, but few places to rent. Optimism prevails.

Sacramento: Excepting building, industries quiet. Extensive building program, both public and private, in sight. Railroad repairs far below normal. Acute housing situation in evidence.

Stockton: No improvement in employment conditions. Unemployment confined chiefly to common laborers, agricultural workers, iron and steel trades. Building active. Lumber 25 per cent below normal; iron and steel, clay and glass also considerably low. Housing situation easier.

San Jose: General employment situation shows some improvement over last month. Building fairly active with an extensive building program in sight. Housing shortage.

Fresno: Unemployment existing in all lines, excepting building trades. Hydro construction and lumber mills closed for season. Desirable homes for rent very scarce, with rents high.

Los Angeles: Employment conditions show favorable improvement over last month. Building activity continues. Large harbor improvements to employ many to be undertaken. Other public improvements to start. Shortage of plasterers. Lumber industry flourishing. Unemployment confined chiefly to unskilled labor, iron and steel trades. Shipyards closed. Railroad shops working part time. Textiles clay and glass and oil below normal. Acute housing shortage exists.

The official call for the 1922 convention of the State Building Trades Council, to be held in San Francisco, commencing March 20, has been sent to every building trades union in the state from the office of P. H. McCarthy, state president. The convention will be called upon to deal with the entire building trades labor situation created by the determination of employing and financial interests to establish the so-called American plan throughout the state. It was originally planned to hold the convention in San Diego. The disaffection of the San Diego local council as a result of the rank and file movement, however, caused the change to San Francisco.

The East Bay Corporation of Oakland has filed articles of incorporation. Maury I. Diggs, Oakland architect, and Senator A. H. Breed of Piedmont, are interested. The purpose of the concern is to acquire and lease land and buildings for market purposes. It is capitalized at $100,000 of which five shares of the par value of $100 each have been subscribed by the five incorporators. Associated with Diggs and Breed in the enterprise are Louis J. Testo, Oakland, Norman De Vaux, Piedmont, and H. L. Breed, Oakland.

Incomplete returns for the British Columbia lumber cut for 1921, show that the production will be practically 175,000,000 feet below that of 1920, while the export lumber figures show an increase of probably 30,000,000 feet. In 1920 the total lumber cut was slightly in excess of 900,000,000 feet. Returns to date indicate that the 1921 cut will be about 725,000,000 feet. The export trade took 147,000,000 feet in 1920 and a very conservative estimate of the 1921 exports gives a total of 175,000,000 feet.

For the primary purpose of "creating and developing a supplementary water system for the city of Vallejo pending the time when the city shall complete its own municipal supply system, the Vallejo Emergency Water Supply Company has filed articles of incorporation. The company has no capital stock, but has a borrowing capacity of $75,000. Following Vallejo men are directors: Albert Casper, J. J. Madigan, W. J. Tormey, S. J. McKnight and C. L. Winchell.

The 19th annual conference of the Western Retail Lumbermen's Association closed in Salt Lake City, February 18th with the election of J. C. Ferger of Fresno, Calif., as president, and the selection of Spokane, Wash., as the place for the 1923 convention. O. A. Spear of Provo, Utah, was elected vice-president. W. E. Landrum of Merced Cal. and C. B. Shadon of Twin Falls, Idaho, were elected members of the governing board to serve for three years.

The Federal Trade Commission is named defendant in a suit filed in the District of Columbia Supreme Court by the Douglas Fir Exploitation and Export Company of San Francisco, to establish its status as a regularly qualified trade association in violation of the Webb export trade act. The company asks that the commission be enjoined from taking any action against it for alleged violation of the act.

The formation of a large silica firm at Weed, Siskiyou county, was indicated when corporation papers were filed in the office of Secretary of State, Frank C. Jordan, by the Mt. Shasta Silica company with capital stock of $350,000. The following are directors: R. P. Clark, Bruce Clark, W. J. West and A. P. Rockwood of Weed and Emery E. Smith of San Francisco.

Chas. Stormes of the Standard Stoneware Co., Spokane, announces his company proposes to erect $20,000 pottery and stoneware plant at Chester, Wash.

ALONG THE LINE

Frank H. Clement, internationally known engineer, who assisted in the location of the Northern Pacific, Mexican national railroads, the first railroad in the Amazon river district in South American, and who constructed the Niagara Falls tunnel, died Feb. 18th at his home at West Palm Beach, Florida.

The Walker and Pratt Manufacturing Co., Boston, manufacturing electric ranges, has appointed Burton Y. Gibson as factory representative on the Pacific Coast and in the Hawaiian Islands. He will have his headquarters at 680 Folsom Street, San Francisco.

City Engineer M. M. O'Shaughnessy, has been authorized to prepare specifications for extension of the San Francisco Muny Railway system from Grafton and Brighton avenues into the Ocean View District. Construction is estimated at $110,000.

The California Finance and Housing Co. of Los Angeles, has organized a branch office at Bakersfield with J. M. Jefferson in charge. Offices will be maintained in the Brower Building.

The resignation of Geo. Mattis as city engineer of Oakland is effective March 1. Mel. Auerbach, chief assistant to Mattis, will be appointed according to rumors.

Petitions seeking the paving of 28 blocks of streets involving an expenditure of approximately $150,000 have been presented to the city trustees of Orland, Calif.

Between 5000 and 6000 new buildings are to be erected in Oakland this year, according to the East Bay Water Company. The figures are based on new meter installations.

The 1921 Stanislaus County Grand Jury urges improvements. A new county courthouse and a good roads system.

It is estimated that the experimental highway at Pittsburg, Contra Costa County, has cost the Columbia Steel Company approximately $250,000.

Madera, Calif., city trustees contemplate installation of an electrolier system.

Santa Rosa city council sets April 4 as date to vote bonds of $50,000 to improve municipal water plant.

The Okonite Co., Passaic, N. J., announces the appointment of S. H. Lanyon, as San Francisco sales engineer.

The State convention of Plumbers will be held in Sacramento during the month of May.

Effective March 1, offices of the State Water Commission will be located at 912 Eighth street, Sacramento.

Analysis of Proposed Power Act of California

California has long been recognized as a leader in hydro-electric development in the United States. Census figures just announced show that California stands eighth in the value of her manufactured products and fifth in the number of her manufacturing industries. This record of industrial progress has largely been made possible by the development and utilization of electric power. Seeing the possibilities in the wealth of California's raw products and agricultural areas, private enterprise has gone into the mountains, harnessed the rivers and tamed the waterfalls and today is furnishing more than a million horsepower to turn the wheels of the state's numerous factories and lift the waters for irrigating the many thousand acres of fertile lands. All this has been done with a foresight and efficiency that have brought credit and renown to the Pacific Coast.

There has been launched in California a campaign for a proposed water and power act—an enactment that would mortgage the state to the extent of $500,000,000, to be controlled by a body of five men to be appointed by the Governor every four years. Under the terms of the bill, bonds will be issued to finance the undertaking, which will furnish power to various communities, these in turn to reimburse the state from the earnings of the properties, if there are any. Property of any private power corporation would be liable to condemnation and seizure by the board controlling the funds.

Naturally the scheme has been subjected to much criticism. The first criticism is that it is a subterfuge, in that it proposes to do by indirection—that is, by a majority vote—what to do by ordinary constitutional procedure would require a two-thirds vote.

Private utilities have spent and are spending millions of dollars in the development of the water-power resources of the state, under most rigid state supervision and regulation. For the state to enter into competition with such established companies is asserted to be highly unjust. California's tax requirements have already reached the point when any further additions would be very burdensome. Yet despite the cry for retrenchment, less taxes and more efficiency in the government the proposed power bill will add materially to the tax burden.

The proponents of this bill state that it means no increased taxes, yet the bill itself provides that state funds may be drawn upon in event of failure to meet bond interest or principal from the sale of power.

Measure to Be Submitted to the Voters

The proposed enactment will in all probability be placed as an initiative measure upon the ballot at the November, 1922, election for the citizens of California to pass upon. If adopted, it would become part of the organic law of the state and could only be altered by another vote of the people. The act would create a water and power board appointed by the Governor. One member of this board, the chairman, would receive $15,000 a year and the other four an allowance of $20 a day plus expenses.

It is contemplated that the board shall acquire or construct for municipalities or districts all necessary distributing systems. The board shall establish such rates for service as in its judgment will provide expenses of and reserve for losses, and in addition provide funds to cover interest charges on all bonds issued under the act. The board must further add to the rates such amount as will in fifty years repay the cost of the project supplying the service. Where a city or town or district desires to purchase its distributing system, there must be added to the rates sufficient to repay the cost in twenty-five years.

Powers Given Board

The powers given the board are greater than those of all other boards in the state combined. It is given the unrestricted power, without the concurrence of the Legislature or the approval of any other governmental body to require the issuance and sale of state bonds in the amount of five hundred millions of dollars. This is approximately seven times the present total state indebtedness.

The board has power to condemn in the name of the state, any private property, including public utility property already appropriated to public use, which the board may find necessary for the purposes of the act and to take immediate possession and use of such properties by paying into court such amount of money as the court upon five days notice to the owner of the property may determine to be reasonably adequate to secure to the owner payment of just compensation. No appeal lies to the court as to the necessity for the proposed taking of private property. The board acts as judge and jury in its own case in this regard.

The sole and virtually unrestricted power to dictate what projects shall be developed, the order of their development, what communities shall receive power and water from the state, what prices shall be paid by these communities for water and power and all other matters relating to the conditions of service is vested in the board.

It may require the reservation from sale of all state lands, including school lands. It can use these lands and materials on or under them for its own uses. It has power to reserve from appropriation for any period it may desire all waters in the state. It may make all facilities, materials and supplies, raw or finished, that may be used in its work, including anything from the largest generator to the smallest insulator. It is to have authority to issue to pay interest on bonds of earlier issue and thus pyramid the state debt. It may issue bonds also to pay costs of operation and maintenance. Among the other authority granted the board is the power to adopt rules and regulations to govern its activities.

The proposed act contains an important statement of principle affecting private companies, namely, that state and political subdivisions have a preferred right to service controlled by the board as against private companies and that political subdivisions near the source of supply have a preference over those more remote. There is a limitation on the power of the board to supply private utilities with electricity, the limit being 20 per cent of the total amount under the control of the board.

Possibilities of Competition

While the act does not provide any specific objects to be undertaken or how or in what order hydro-electric properties are to be constructed, acquired or condemned, it may be assumed, as far as existing privately owned electric utilities are concerned, that one of the three following plans will be adopted:

(1) To take over all existing electric utility plants and supply electric service to the entire state.

(2) To parallel existing plants and systems.

(3) To take over some of the existing electric plants, presumably those most advantageously located and most efficiently operated.

It is of course possible the board might decide first to enter fields not now served by utility companies.

The present investment in privately owned electric utility companies in California is approximately one billion dollars. It has been estimated by qualified experts that in the next ten years there will be required an additional eight hundred million dollars for development of electric power in the state to keep pace with the expected demands. Obviously, the five

P. G. & E. PLANS HUGE POWER DEVELOPMENT

Enlargement of reservoirs, additions to the height of dams, and erection of new dams and waterways, involving a total expenditure of about $1,670,000 all for the purpose of increasing its hydroelectric power capacity—is contemplated by the Pacific Gas & Electric Company, within the next year or two.

The extensive development program was revealed recently when the company filed seven applications for the diversion of water with the state division of water rights.

All the applications deal with existing properties, which at present do not store enough water to operate to full capacity during the short water season. The intention is to impound the flood waters in order to permit, in case of future demand, capacity operation throughout the year.

Year-Round Power

The big Pitt river plant of the company will provide power the year around. Upon its completion, attention will be directed to the other power plants of the company.

The largest single development contemplated by the seven applications filed recently, calls for the diversion of 26,760 acre feet annually from Fordyce creek, a tributary of the Yuba river. This water would generate additional power at the Spaulding and Drum plants in Nevada county. The estimated cost of the improvement is $745,500.

Butte Creek Diversion

Nearly 6000 acre feet are asked to be diverted from Butte creek for use at the De Sable and Centerville plants, and 9,412 acre feet are sought from the north fork of the Mokelumne river, near which there is a reservoir site. The improvements here include the construction of a dam. The cost of the two projects is estimated at $610,000.

Other improvements planned are the diversion of 3,700 acre feet from the Feather river, calling for the expenditure of $182,000; 5,060 acre feet from Philbrick creek for a $134,000 improvement; 50 acre feet from North Butte creek, to cost $25,400, and 100 acre feet in Placer county, for use in the Halsey and Wise power plants.

hundred million dollars authorized by the act would go only a short distance in acquiring existing electric properties scattered throughout the state.

If the intention should be to parallel existing plants and systems, such paralleling would bring about competitive conditions which are contrary to the spirit and letter of the public utility laws and break faith with existing utilities operating under them. Finally, if the intention should be to take over some of the existing plants, leaving the rest to operate by themselves, what justification could be given to those other portions of the state which would have to support the state bonds but which receive no service? If there is to be a gain by the operations of the state-controlled service, then why should one section of the state be favored over another, while the credit of the entire state is behind the scheme?

The proposed act would provide a scheme for furnishing water and power to take place of plants and systems which are now operating efficiently and adequately and are under the control of a public regulating body, the Railroad Commission of the State of California. A most remarkable electrical development has been made in California under private ownership and private initiative and enterprise. Nowhere else in the world is the present per capita consumption of electricity equalled; in no part of the United States has electrical energy been so freely used for agricultural purposes, and nowhere else are electric distribution lines so broadly distributed thru rural communities. All this has been brought about without state aid or assistance—with rates for service that average lower than in any other state in the Union or any other part of North America.

Opinion of Herbert Hoover

In a report made by the Secretary of Commerce, Herbert Hoover, to President Harding regarding a proposed superpower project in the East, the Secretary says:

"At the present time California companies are carrying current over wires 300 miles long, while the greatest distance contemplated in the Atlantic project is only 200 miles. Furthermore, all of the great California power companies are 'hooked up' so that continuous service—something almost unheard of in the East—is practically assured in California. And that feature, together with economy, makes up the underlying object of a superpower project. Nowhere is power so cheap as in California."

If such are the conditions in California, it is reasonable to ask why the state should seek to raise large sums of money to do something that is universally acknowledged to be already well done, particularly when California has new needs and will require in the near future large sums of money for good roads, harbor facilities, hospitals, prisons and educational institutions which are admittedly objects of state support and ownership. Private enterprise has brought hundreds of millions of dollars from the East to help develop the West—why shut the door against the inpouring of such capital in the future?

Venturesome Enterprise

The money initially provided under the proposed water and power act is $140,000,000 more than the total cost of the Panama Canal. It would add $146 to the public debt for every man, woman and child in the state and would beyond any doubt greatly increase the taxes.

It may safely be asserted that the amendment, if adopted and carried into effect, would plunge the State of California into the most venturesome enterprise ever undertaken by any state and under the most unfavorable circumstances. The governmental machinery necessary to be set up would result in the increase of state officials and employes to many times their present number, and all other departments of state government would be completely overshadowed in importance and cost by this new department. The proposal goes further in the way of injecting government into business than has as yet been untaken in America. This tremendous and hazardous departure on the part of the state is being proposed without the slightest apparent justification on the ground of necessity, and the only basis upon which it is urged is that it will result in cheaper service. This cheaper service is being promised without any proof that the promise can be fulfilled, and the pledge is being made by men without experience in the subject. The entire scheme has all the earmarks of a political movement.

California Meditates a Doubtful Experiment

(Electrical Work—New York)

While it is prudent at all times to guard against premature and undue alarm, it is also wise to face a situation at its potential worst. The electric utilities of California are threatened with state ownership and the fight is now on. Why California should want state ownership it is difficult to understand. Either the utilities have not lived up to their opportunities or else politicians are hoping to ride to power by awakening and capitalizing the latent populistic ideas of some of the inhabitants. Be that as it may, the fact remains that in a state covered with an interconnected network of transmission lines, where electricity is generated efficiently and economically and where its cost is lower and its use more intense than in any other state in the Union, a state-owned system is seriously considered.

We have been wont to look upon California as a very progressive state, on its electric utilities as enterprising and resourceful, and on its railroad commission as one of the wisest and fairest in the country. To us it is unthinkable that this whole system, which has contributed so much to California's upbuilding and to the welfare of her people, should now be discarded for such an ephemeral, untried and visionary a scheme as that now proposed. Stranger things have happened, however, and if this menace to American institutions, traditions and ideals is to be killed once for all, the people of California must be put in possession of the facts. All the demagogy and wind of political oratory cannot prevail against fact, and unless the people at the Golden Gate have gone mad or become vindicative for some reason or other, they will be guided by fact. On a question of fact the United States government, through its census bureau, has this to say: "California, in which are found the most intensive hydro-electric developments in any state in the Union, ranks among the highest in per capita consumption of power, in addition to being first in the use of current for lighting purposes."

Notwithstanding the very large consumption of highpriced oil by the public utilities of California in 1917, the date of the last census, and the consequent effect on the price of electricity, the census report of that year shows that the average lighting rate for electricity was less on the Pacific Coast than anywhere else in the country and that California's rate for electricity was lower than that of either Washington or Oregon. Having rendered such an excellent account of their stewardship, it is not likely, if the people are in possession of the facts, that private ownership and operation of electric public utilities will be discarded in California for political ownership. We credit California with more wisdom that that.

MATTIS, OAKLAND CITY ENGINEER, RESIGNS

Convinced that a successful operation of Oakland's engineering department is impossible under the dictatorship of the present mayor and disgusted with the internal politics of the City Hall, George Mattis, for two years city engineer and superintendent of streets, resigned. The resignation will take effect March 1.

"I am convinced that there can be no progress under the present administration and discouraged at conditions brought about by municipal politics, I have decided to accept an opportunity for engineering along more desirable lines," said Mattis.

Mattis was appointed city engineer in April, 1920 when Commissioner W. H. Edwards was in charge of the department of streets. Although the mayor has endeavored since last July to have Mattis removed, since he was an Edwards appointee, other members of the council failed to fall in with the plan. When Commissioner W. J. Baccus was transferred to the street department in August, 1921, he retained Mattis as city engineer. Since that time the mayor has harassed the official [illegible] was possible and hampered [illegible] for the city.

BUILD NOW! It's like putting money in the bank.

BIG DROP IN LUMBER IN CUBA REPORTED

A drop in price of $42 to $50 per thousand feet of lumber over the price obtained a year ago in Cuba is reported in advices to the Department of Commerce.

Lumber which a year ago brought $70 to $80 a thousand feet, is now being sold for from $28 to $30, according to reports received.

During the last year "a weeding out process has been going on which has cleaned up the Cuban lumber import trade and driven certain undesirable elements out of the lumber import business."

WARREN BROS. AWARDED CUYAMA HIGHWAY CONTRACT

Another section of the Cuyama highway between Santa Maria and Bakersfield, a six mile section between Buckhorn Creek and Cuyama, has been awarded by the California Highway Commission to the Warren Construction Co. The contract calls for grading and structures only and the amount, using corrugated metal pipe, is $153,256. There was active bidding for this job, eighteen contractors submitting offers.

ASPHALT ASSOCIATION OPENS ATLANTA OFFICE

J. E. Pennybacker, secretary of the Asphalt Association, New York, announces the appointment of James R. Valk as District Manager for the Asphalt Association with headquarters in Atlanta, Georgia. Mr. Valk has had a long and successful experience in all phases of asphalt work and is widely known, particularly in the southeastern territory in which he will operate. His attention will be devoted principally to Georgia, South Carolina and Florida.

The Observer.

(Continued from Page 1)

Lumber and wood-using industries in the United States represent an investment of $12,000,000,000 and employ approximately one million people, being first among the nation's industries in the number of employees and second in invested capital and the annual value of their products, according to an estimate recently made by Frederick J. Haskin, economic authority.

The California Farm Bureau Elevator Corporation will build a 1,000,000 bushel capacity grain elevator in Oakland, according to W. H. Heileman, secretary of the company. Similar structures are planned in the San Joaquin, Sacramento and Salinas valleys.

J. H. Merrill, president of the International Organ Co. of San Francisco, announces the merger of the Spencer Organ Co., and Schoeff Organ Co. Property valued at $45,000 will be purchased in Berkeley on which it is proposed to construct a plant, the first unit of which will contain 20,000 square feet, costing approximately $75,000.

A certificate of change of name of the Coos Bay Lumber Co., to the Pacific States Lumber Co., has been filed with the Contra Costa county clerk. The capital stock of the concern has been increased to $8,028,600. Pacific Coast yards of the company are located at Bay Point.

A. C. Dixon was elected president of the West Coast Lumbermen's Association, at the regular annual meeting of the organization in Seattle, at which more than 100 lumbermen were present from Oregon, Washington and British Columbia. Robert B. Allen was elected secretary-manager.

John J. Donovan, Oakland architect, will contribute a paper to the national convention of School Superintendents, to be held in Chicago, next month. Architect Donovan has been assigned the subject, "California's Contribution to the School Architecture of the Country."

Modesto has been selected as the next meeting place of the Central California Lumbermen's Association. The meeting will be held the latter part of next month. The association is comprised of lumber dealers in the Sacramento, San Joaquin and Santa Clara valleys.

The Stockton branch of the Western Loan and Building Co. has been organized with R. M. Bacheller, vice-president of the Sterling Iron Works, as president; Wm. M. Edwards, vice-president and P. H. Stitt, secretary-treasurer. Offices of the home company are located in Salt Lake City.

Ernest T. Trigg, president, told delegates to the annual convention of the National Association of Builders Exchanges in session at Memphis, Tenn., that before a permanent revival of construction activities can be expected, the builders must justify to the public full confidence in values.

Approximately 140 miles of grading and graveling and more than 60 miles of paving are on the program of the Washington State Highway Commission for 1922, according to James Allen, State Supervisor of Highways.

The office of the Supervising Architect, Treasury Department, has appointed an investigator to look into conditions at the Oakland Post Office, recently declared inadequate. Oakland's new Post Office depends upon the report of the investigator.

Alfred Bannister, Berkeley engineer, suggests the construction of an automobile subway from the foot of Folson street to the end of the Alameda pier. Bannister would transport the cars on low built electric trains. The tube would consist of a wooden shell with reinforced concrete lining and would cost approximately $6,000,000.

The North Beach Promotion Association has petitioned the City Planning Commission to immediately prepare an ordinance regulating the heights of buildings adjacent to each other.

Coalinga City Trustees will levy assessment totaling $19,000 to secure funds for constructing Warthan creek bridge; enlarge city gas plant and purchase equipment to improve streets.

The Galena Signal Oil Co. of Franklin, Penn., has purchased a 4-acre site in Richmond and plans the erection of a $500,000 refinery, according to an announcement of the Richmond Industrial Commission.

Main, Walnut and Oak streets in Red Bluff will be paved with concrete, it was decided at the last meeting of the City Trustees.

A. W. Norris of the Sacramento Builders' Exchange will address Reno, Nevada, Chamber of Commerce on the advantages to be gained through the organization of an exchange in Reno.

Stockton Match Co. of Stockton will build a factory at Alturas, Modoc County, for the manufacture of pencils.

Senator Hiram Johnson is seeking an appropriation of $88,000 to erect an Indian school at Greenville, Plumas County, Calif.

Fred L. Baker, President, and Erle M. Leaf, Vice-President of the Los Angeles Shipbuilding & Dry Dock Co., have sailed for London where they expect to interest capital in the building of a large paper mill at San Pedro. Pulp wood will be obtained from British Columbia.

The City of Sacramento contemplates approximately 200,000 yards of paving this season, according to Assistant City Engineer J. E. Tempest. The figures are based on resolutions ordering specifications and on petitions of property owners.

The Gendeco Manufacturing Company has completed construction of a new factory building in West Berkeley and will manufacture waterproofing, cement hardener and art marble. H. Leffman is manager of the plant.

The Cement Finishers' Union of St. Louis, Mo., has voted to accept a reduction of from $1.25 to $1 an hour. The reduction was voted in an effort to stimulate construction.

Silk and Wheelock have opened up their new planing mill and cabinet shop in Lodi and are completing the installation of new machinery which will enable the firm to handle contracts of any size in the San Joaquin valley.

Sixty building permits were issued in Bakersfield during January. Forty-three residences costing $84,275, were erected during the month. Total activities were $93,635.

WESTERN PACIFIC WILL SPEND $25,000,000

Proposed expenditures of $25,000,000 for improvements, recently decided upon by the Western Pacific Railroad in connection with the enlarged system known as the Western Pacific and Denver Rio Grande and Western combination, has reached the stage of a definite program, it became known following a series of conferences between officials.

It is said that from $10,000,000 to $15,000,000 will be expended to enhance the operating features of the Denver, Rio Grande and Western, so as to establish a unified trunk line between this city and Denver.

As a means of improving transportation to Northern California and Oregon, with the idea of eventually connecting with the Hill system, the Western Pacific stands ready to buy from the Moran Syndicate of New York its holdings in the Nevada-California-Oregon narrow gauge road that runs from the Western Pacific station at Hackstaff, Cal., to Lakeview, Ore. It is exepected that this purchase, if negotiated will amount to more than $1,000,000.

Also, it is planned to expend about $2,000,000 on a refrigerator car system to handle California fruits, and another million or more on an extension to Vallejo of the Sacramento Northern Electric Railroad now owned by the Western Pacific.

WESTERN BRICK TRADE HELD BEST IN COUNTRY

Builders here who have received a digest of conditions in the common brick industry as found at the close of the third anual convention of the Common Brick Manufacturers' Association of America, note that the tenth district, composed of California, Arizona and Nevada, makes a better sales showing than any other district. Brick manufacturers in this district reported a total of 6,096,000 burned bricks on hand and orders for 5,960,000 on their books. Prices at the brickyards stand at from $14.50 to $15 a thousand. There has been little change in prices generally and none in this district from

BUILDING TRADES DECIDE ON ACTION AGAINST MATERIAL DEALERS

Delegates to the Building Trades Council have voted unanimously to invoke the initiative to compel material dealers to sell material to any contractor or person who can and is willing to buy same. It is the intention of the San Francisco Building Trades Council to begin the circulation of such petitions as soon as certain information is received from Secretary of State Frank C. Jordan.

HOLT MFG. COMPANY CLAIMS PATENT INFRINGED

The Holt Manufacturing company of Stockton, has filed an action in the United States District court asking for a perpetual injunction to restrain the Cleveland Tractor company of Ohio, from the use of a self-laying track vehicle, the invention of William Turnbull and owned by the Stockton firm. The complaint avers that the eastern company has infringed the patent of the California man and, aside from the injunction, seeks an accounting of all profits alleged to have accrued from the infringement and also for an assessment of damages.

Construction Bodies Reach Agreement Penalizing Union Workmen Who Refuse to Abide by Decisions of National Board of Jurisdictional Awards

The Associated General Contractors of America, The American Institute of Architects, The Engineering Council, The National Building Trades Employers Association, and the Building Trades Department of the American Federation of Labor thru the National Board for Jurisdictional Awards which has just concluded its regular quarterly meeting in Washington, have reached a national agreement through a resolution heavily penalizing union workmen who refuse to abide by the decisions of the Board.

The resolution provides that local building trade councils of union labor shall suspend unions and refuse to recognize or support those unions which refuse to abide by decisions of the National Board; it also provides that general contractors and sub-contractors who employ only union labor shall incorporate in their agreements with labor, a provision that will secure compliance with all decisions of the Board, and that they shall refuse employment to members of local unions which do not abide by such decisions and further that architects and engineers shall insert in all their specifications and contracts a clause that such decisions shall be followed.

This resolution is of far reaching consequence to settle these jurisdiction disputes, which in the past have constituted the majority of the causes for strikes and resulting delays and economic losses.

It is the most effective cooperation between workmen, employers and professional men interested in construction looking toward the settlement of these jurisdictional disputes without resort to strikes.

This action has been taken as a result of the report of a special committee of the National Board appointed to outline the procedure to be followed in clearing up the situation created by the refusal of the United Brotherhood of Carpenters and Joiners to conform to the decisions of the Board in the case of settling the dispute between the carpenters and the sheet metal workers, which was decided in favor of the latter. This dispute involved the setting of sheet metal trim on doors and windows. The carpenters have refused to abide by the decisions and have called strikes and suspended work on big construction jobs in many parts of the country causing serious trouble and unemployment in other trades.

The resolution follows:

Whereas, The United Brotherhood of Carpenters and Joiners of America has not been observing or conforming to the decisions of the National Board of Jurisdictional Awards in the Building Industry; and

Whereas, The attitude of that organization in failing to observe those decisions is seriously embarrassing owners, architects, engineers, contractors and workmen engaged in the building industry, and such a condition all decisions of the Jurisdictional Board and that the members thereof shall refuse employment to any local union or members thereof neglecting or refusing to abide by decisions of the Jurisdictional Board.

That the Building Trades Department shall instruct councils to unseat any local union refusing compliance with such decisions, and that associated International Unions shall instruct their respective locals to extend neither recognition nor support until such time as delinquent locals accept and abide by all decisions of the Jurisdictional Board:

Resolved further, that this resolution shall be enforced as expeditiously as possible beginning with those localities in which the trouble appears to be most acute and where action seems most urgent, and that all these signatories make special and united efforts toward securing general and complete compliance with all the decisions of the Jurisdictional Board; and

Resolved also, That as and when trouble in any locality is brought to the attention of any of the signatories such organization shall take the initiative, tends to increase costs and to cause delay and is detrimental to the public interest and the building industry in general; and

Whereas, All parties signatory to the plan of the Jurisdictional Board have been actively supporting the decisions of that Board, including sixteen of the seventeen International Unions constituting the Building Trades Department at the inception of the Board.

Resolved, That in order to correct the above mentioned conditions, the several signatories to the plan of this Board be urged to instruct their constituent members, each in its respective field as follows:

That the members of the American Institute of Architects and of the Federated American Engineering Societies insert in all specifications and contracts for building operations a stipulation that the decisions of the Jurisdictional Board shall be observed:

That the members of the Associated General Contractors and of the National Association of Building Trades Employers incorporate in their agreements with their sub-contractors a provision that will secure compliance with ative in forming a general committee of representatives from all the signatories for the purpose of dealing with the situation in that locality.

Of the seventeen international unions that constitute the Building Trades Department of the A. F. of L., sixteen have unqualifiedly endorsed the work of the Board and supported its decisions. The carpenters union alone although one of the original organizers of the Board now refuse to support it. As a result they have been suspended from the Building Trades Department of the American Federation of Labor, and been outlawed by every building trade council, and the leading organizations of general contractors, sub-contractors, engineers and architects in the country.

The purposes of this national board for jurisdictional awards is to settle difficulties between unions over what crafts shall do certain work in the construction industry by orderly and judicial procedure rather than by costly strikes. The metal trim case above referred to was under consideration for nearly a year during which both sides were given ample opportunity to be heard. Fifty decisions of nation-wide scope have been rendered in the past two years, and these decisions have settled or averted over 200 strikes in 1921.

An important decision also finally settled at the recent meeting of the Board was that of the Elevator constructors vs. the Electrical Workers as to which trade should have jurisdiction over the work of hoisting, lowering and placing of elevator machinery. The work was awarded to the Elevator Constructors, and the international presidents of both unions state their mutual willingness to abide by the decision issued by the Board.

The members of the Jurisdictional Board are: E. J. Russell of St. Louis, Chairman, American Institute of Architects; R. P. Miller of New York Engineering Council of Federated American Engineering Societies; Col. John R. Wiggins of Philadelphia, and F. J. C. Dresser of Cleveland, both of the Associated General Contractors of America; C. C. Pierson of Indianapolis Building Trades Employers Association; John J. Hynes, John Coefield and Thomas R. Preece, of the Building Trades Department of the American Federation of Labor; and Wm J Spencer, Executive Secretary.

COOS BAY LUMBER COMPANY TO REFINANCE

Details of how the Pacific States Lumber Company of Marshfield, Ore., formerly the Coos Bay Lumber Company, the largest wholesale distributors of Oregon fir and Port Orford cedar in Northern California, liquidated claims amounting to $6,700,000 since 1919, and the approval of Federal Judge Charles E. Wolverton of a plan to refinance the company were made public by William Denman, San Francisco attorney and one of the two receivers for the company, on his return from Portland, Ore.

This approval of the Federal bench to the refinancing of the company, according to Attorney Denman, assures the [illegible] and development of the $26,000,000 plant and holdings of the company in southwestern Oregon and California, which, for the past three years, has been in the hands of receivers.

Under the receivers, Attorney Denman and Frederick T Boles of Chicago, the company milled and sold $10,000,000 of lumber without issuance of receiver's certificate or borrowing any money for operating and development. Credit for keeping this large concern operating and from being sold on a declining market in 1919, was given by Denman to Federal Judge Wolverton who refused to grant the plea of bondholders to sell the property at that time.

CALIFORNIA LUMBER RATES HELD TOO HIGH

According to word from Washington, carload rates on lumber from Weed and Westwood, Cal., and Klamath Falls, Ore., to points in Minnesota and South Dakota, are declared unreasonable in a decision handed down by the Interstate Commerce Commission. Decision is result of complaint filed with commission last March by Gaynor Lumber Company of Sioux City, Iowa.

CONFERENCE IS CALLED ON CROSSING SPECIFICATIONS

At the request of the American Electric Railway Association, a conference is being called by the American Engineering Standards Committee to decide whether there shall be uniform specifications for the crossing of overhead wires, and to dispose, if possible, of certain differences of opinion in regard to those parts of the National Safety Code which deal with overhead lines. It will be remembered that the Code has been submitted to the American Engineering Standards Committee for approval. Invitations have been issued to all interested bodies to attend the conference, which will be held March 2nd, in New York.

The following has been planned for the agenda of the conference:

1.—Shall there be a set of national specifications for crossings between overhead electric wire lines and railways, and between different wire lines?

2.—If so, what should be its relation on Part 2 of the National Electrical Safety Code, "Rules for the installation and maintenance of overhead and underground electrical supply and signal lines?"

3.—Can disposition be made of the differences of opinion on Part 2 of the National Electrical Safety Code by:

(a) Approving the present edition,

(b) Revising the present edition through a sectional committee of the American Engineering Standards Committee?

4.—What procedure shall be recommended for carrying out the conclusions reached by the conference?

The American Electric Railway Association has summarized its reason for calling the conference as follows:

"For many years various associations and interests, either individually or jointly, have developed and in many instances adopted, specifications intended to govern the construction of electric light, power, trolley, signal and communication lines across steam and electric railways.

"Recently the National Bureau of Standards has promulgated the National Electrical Safety Code, Part 2, of which applies to the general construction of overhead lines, including requirements at railroad crossings. The difference between the several specifications and codes has led to confusion.

"Realizing the desirability of having a standard that would be generally acceptable, the American Electric Railway Association has requested the American Engineering Standards Committee, by conference of the bodies interested, to determine the desirability of developing an American Standard Specification which will include the requirements at railroad crossings."

MONOLITH CEMENT PLANT NOW CONTROLLED BY NEW INTERESTS

The Monolith cement plant, originally built by the City of Los Angeles, has been transferred to the Monolith Portland Cement Co. under a new contract. The plant was sold in July, 1921, to the U. S. Potash Co. for $450,000 to be paid in installments of $50,000 a year. One installment had been paid under this contract. Under the contract by which the plant is transferred to the Monolith Portland Cemen Co. the balance of $400,000 is assumed by that corporation. Of this amount $250,000 will be paid in cash and $150,000 in Portland cement to be delivered in amounts not exceeding 30,000 barrels a year at a price equivalent to the average cost per barrel of manufacture plus cost of delivery in sacks f. o. b. plant and a profit of 10 per cent. Interest at 6 per cent will be received on deferred payments.

PROCESS PERFECTED TO PRODUCE RUSTLESS STEEL AND IRON

Discovery of a method by which iron and steel may be made rustproof was announced by Dr. Miller Reese Hutchison, inventor and engineer, in an address before the Alumni Association of Cooper Union in New York. Chief credit for the discovery, which was said to be one of the most important in modern metallurgy, was given to H. B. Ballantine, an English metallurgist.

Dr. Hutchison, who for many years was Thomas A. Edison's confidant and chief engineer, explained that the method consisted of manufacturing materials which, when mixed with molten steel or iron, makes it entirely rustproof and, to a great extent, acid proof.

HYDRO-ELECTRIC PROJECT FOR EL DORADO COUNTY APPROVED

License for development of a four-stage, 100,000-horsepower hydro-electric project on the south fork of the American river in the vicinity of Placerville, Calif., has been issued by the Federal power commission to the El Dorado Power Company. The plan includes enlargement of the "El Dorado ditch," 25 miles in length, to a flow capacity of 350 cubic feet a second, as against its present 40 cubic feet, and operation of turbines under a 1900-foot head.

The El Dorado Power Company, which is a subsidiary of the Western States Gas & Electric Company, plans after enlargement of the canal to provide for conducting the water through a three-mile conduit to the penstocks, which supply the turbines to be located in a power house on the American river, about one mile below the mouth of Silver creek. The turbines will operate under a head of 1900 feet.

The project includes six storage reservoirs on the headwaters of the American river, with an ultimate capacity of 90,000 acre-feet. Three of the reservoirs, to the capacity already constructed, are included in the license for project number 78, which was recently issued to the Western Gas & Electric Company. The El Dorado Power Company will acquire all water and property rights involved in these reservoirs, and it is intended to amend the present license later to include them.

GREAT FALLS ENGINEERS ORGANIZE

The Engineers' Club of Great Falls, Montana, has completed its organization by the election of officers and adoption of a constitution. R. T. Harlow, resident engineer of the state highway commission, was elected president; R. S. Roth, secretary and treasurer, and George O. Sanford, M. L. Morris, F. E. Weisner and O. A. Baarson were chosen as members of the board of directors. The object of the club is the advancement of engineering knowledge and the maintenance of a high professional standard among its members. The membership is confined to those who are or who have been actively engaged in some engineering profession. It is estimated that there are fifty members of the engineering profession in Great Falls.

Overland Park camp grounds in Denver had a tent city last year that housed 39,854 automobile tourists of the United States, Canada, Mexico and the Hawaiian Islands.

A. R. A. AND STEEL MANUFACTURERS JOIN A. E. S. C.

Beginning with 1922, the American Railway Association (engineering division) and the Association of American Steel Manufacturers became member-bodies of the American Engineering Standards committee.

The Association of American Steel Manufacturers is an organization of forty iron and steel manufacturing companies. Its activities are limited to the standardization of rolling mill practices, and to the standardization and inspection of iron and steel products. The association was organized in 1895. Its official representative on the American Engineering Standards committee has not yet been designated.

The American Railway Association, which speaks for practically all the steam railways of the country, has four great technical branches, each having its own secretary, the engineering and mechanical divisions and the telephone and telegraph sections. The engineering division, which is intimately connected with the American Railway Engineering Association, the two organizations having the same officers, covers broadly the civil engineering activities of the railways. The standardization work in which the two associations are engaged, and which they have accomplished, is very extensive, both in scope and in amount. E. A. Frink, of the Seaboard Airline railway, who is chairman of the standardization committees of the two associations represents the American Railway Association (engineering division) upon the American Engineering Standards committee.

These two new member-bodies bring the total number of national organizations represented upon the American Engineering Standards committee up to twenty-eight, and of representatives to fifty-two.

NEW GOOD ROADS PROJECTS ARE APPROVED IN 28 STATES

Ninety-three road construction projects in 28 states were approved for federal aid during October by the bureau of public roads, United States department of agriculture, according to a compilation just made public. Virtually every type of construction is represented in the approved projects.

The states in which these projects were approved and the number of projects approved in each staate follow: Alabama, 3, Arkansas 3, California 2, Colorado 1, Florida 1, Idaho 1, Kansas 8, Maryland 5, Massachusetts 2, Minnesota 15, Mississippi 6, Missouri 4, Montana 1, Nebraska 2, Nevada 1, New Mexico 2, North Dakota 2, Ohio 2, Oklahoma 1, Pennsylvania 5, South Carolina 5, South Dakota 1, Texas 8, Utah 1, Virginia 12, Washington 1, Wisconsin 2 and Wyoming 1. The longest single stretch of roadway approved in one project during the month was an earth road in Calhoun county, Miss., 35.3 miles long; the shortest, .9 mile, was a brick road in Tark county, Ohio.

S. F. LEADS COAST IN FOREIGN TRADE

The import and export business of the port of San Francisco is nine times greater than that of Los Angeles, nearly treble that of Portland and 50 per cent greater than Seattle, according to figures compiled by E. G. Babitt of the United States Bureau of Foreign and Domestic Commerce. Imports and exports of San Francisco for the eleven months of 1921 give San Francisco a total of $195,608,993; Seattle, $122,455,730; Portland, $66,573,514; Los Angeles, $26,824,498.

Building News Section

APARTMENT HOUSES

Plans Being Prepared.
APARTMENTS Cost, $22,000
SAN FRANCISCO. Dolores Street near Fifteenth.
Two-story and basement frame and plaster apartments (8 3 and 4-room apts.)
Owner—Withheld.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Owner Taking Sub-figures.
APARTMENTS Cost, $45,000
SAN FRANCISCO. SW 23rd Ave. and Geary.
Three-story frame apartments (8, 4-room apartments and 5 stores).
Owner—Robt. Smith, 180 Jessie St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Plans To Be Prepared.
APARTMENTS Cost, $300,000
SAN FRANCISCO. NW Geary and Leavenworth.
Seven-story and basement brick and steel apartment house (161 rooms; 2 and 3-room apartments).
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—Not Given.

Contracts Awarded.
APARTMENTS Cost, $58,500
SAN FRANCISCO. S Geary St. 137-6 W Leavenworth St.
Five-story and basement class C apartment house (20) apartments.
Owner—M. Cohn, 1036 Golden Gate Ave, San Francisco.
Architect—Sylvain Schnaittacher, 237 Post St., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
Mason Work to Fennell & Chrisholm, 180 Jessie St., $12,995.
Fire Escapes and Ornamental Iron Work to C. W. Withington, 780 Brannan St., $2,540.
Plumbing to Monihan & Slavin, 180 Jessie St., $6,565.
Heating to Gilley-Schmid Co., 198 Otis St., $2,835.
Electric Wiring to American Elec. Eng. Co., 1723 Polk St., $3,093.

Contracts Awarded.
APARTMENTS Cost, $58,500
W Leavenworth St.
Five-story and basement class C apartment house (20) apartments.
Owner—S. Rouda, 40 Powell St., San Francisco.
Architect—Sylvain Schnaittacher, 237 Post St., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
Plumbing to Monihan & Slavin, 180 Jessie St., $6,565.
Mason Work to Fennell & Chisholm, 180 Jessie St., $12,932.
Electric Wiring to American Electric Eng. Co., 1723 Polk St., $3,093.
Fire Escapes and Ornamental Iron Work to C. W. Withington, 780 Brannan St., $2,540.
Heating to Gilley-Schmidt Co., 198 Otis St., $2,835.

Contracts Awarded.
APARTMENTS Cost, $18,000
SAN FRANCISCO. E Divisadero 130 E Duboce.
Three-story and basement frame (5) apartments.
Owner—Geo. Wahlheim, 751 Page St., San Francisco.
Architect—Sidney B. and Noble Newsom, 110 Sutter St., San Francisco.
Electric Work to Crescent Elec. Co., 289 8th St., $690.
General Contract to McIntosh Bros., 180 Jessie St., $10,470.
Lathing and Plastering to Thos. Carroll, 180 Jessie St., $1,546.
Plumbing, Sewering and Gas Fittings to Scott Co., 243 Minna St., $2,428.
Painting and Decorating to Rundberg & Whitman, $1,100.

Sketches Being Prepared.
APARTMENTS Cost, $30,000
SAN FRANCISCO. Western Addition.
Three-story frame, plaster and brick veneer apartment house (3, 7 or 8-room apartments).
Owner—Withheld.
Architect—Wm. Milwain, Albany Bldg, Oakland.

Plans Being Figured.
ALTERATIONS Cost, $——
SAN FRANCISCO. No. 926 Pierce St.
Alter three-story frame 3, 8-room flat building into 9, 3-room apartments with garage in basement.
Owner — Mrs. Adele Soher, 1361 McAllister St., San Francsico.
Architect—None.
Bids are wanted for a general contract and also segregated contracts. Phone owner at West 1421 or call at 1361 McAllister St.

Segregated Figures Being Taken.
APARTMENTS Cost, $30,000
SAN FRANCISCO. Brosnan Street.
Three-story frame apartment house (12 3-room apts.)
Owner—Mr. H. Faber.
Architect—Frederick W. Quandt, Monadnock Bldg., San Francisco.
Separate bids for general contract, plastering, plumbing, electrical work, painting and hardwood floors.

Heating and Plumbing Contracts Awarded.
APARTMENT HOUSE Cost, $175,000
SAN FRANCISCO. N O'Farrell W Jones.
Seven-story reinforced concrete apartment house.
Owner—Carl Peterson, Sharon Bldg., San Francisco.
Supervising Architect—August Headman, Call Bldg., San Francisco.
Plumbing awarded to S. W. Band, 580 Valencia St., at $12,098.
Heating Awarded to Atlas Heating & Ventilating Co., 72 Freelon St., at $3,228.
Plastering awarded to Peter Bradley, 180 Jessie St., at $17,970.

To be Done by Day's Work and Subcontracts.
APARTMENTS Cost, $38,000
SAN FRANCISCO. S Clay 100 E Polk.
Three-story and basement frame (12) apartments.
Owner—Kincanon & Perego, 159 Sutter Street, San Francisco.
Architect—None.

Contract Awarded.
APARTMENT HOUSE. Cost $14,250
BERKELEY. 3111 Eton Ave.,
Two-story frame 16 room apartment house.
Owner—L. Frentrup, 3115 Eton Ave., Berkeley.
Architect—None.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland.

Ready for Figures Saturday.
ADDITION Cost, $65,000
SAN FRANCISCO. O'Farrel near Jones
Four-story reinforced concrete Class C addition to one-story store building for apartments.
Owner—Frank Kelley.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.

Sub-Figures to be Taken by Owner.
REMODELING Cost, $——
SAN MATEO, San Mateo Co., Cal. B Street.
Remodel two-story brick store and office building into apartments.
Owner—Wisnom Co., San Mateo.
Architect—Wm. H. Toepke, 942 Market St., San Francisco.

Plans Completed—To be Done by Day's Labor and Sub-contracts.
APARTMENT HOUSE Cost, $75,000
SAN FRANCISCO. S Bush 131 E Leavenworth.
Five-story brick apartment house (27 apartments).
Owner—Louis D. Stoff, 919 Sutter St., San Francisco.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.

BANKS

Plans Being Prepared.
BANK Cost, $50,000
LODI, San Joaquin Co., Cal. NW School and Oak Streets.
One-story hollow tile bank building 50x75.
Owner—The Citizens National Bank.
Architect and Contractor—Davis-Heller-Pearce Co., Delta Bldg., Stockton.

Contract Awarded.
BANK Cost, $10,378
PALO ALTO, Cal.
One-story concrete bank building.
Owner—The Stanford Bank of Palo Alto.
Architect—M. G. West Co., 115 Front St., San Francisco.
Contractor—T. B. Goodwin. 180 Jessie St., San Francisco.

BONDS

FRESNO, Fresno Co., Cal.—Consolidated Irrigation District contemplates bond election to vote $775,000 to purchase holding of Consolidated Canal Co., and to improve the system. L. A. Nares is the president of the Consolidated Canal company and R. M. Bostwick secretary. Directors of the Consolidated Irrigation district are E. E. Giffen, J. P. Wilkins, W. H. Shafer, H. C. V. Hansen and C. E. Erickson.

DANVILLE, Contra Costa Co., Cal.—March 24th is the date set to vote bonds of $20,000 to finance construction of a new grammar school. Trustees of the district are: C. W. Close, D. M. Birrell and S. H. Johnson.

LOS ANGELES, Cal.—Bond election set for February 20 in Van Nuys District to vote on issuance of $500,000 bonds for Pacoima dam was called off by the City Council and new proceedings will be started eliminating portion of original district. The proposed dam will cost $1,500 000, county to appropriate $1,000,000.

NEWPORT BEACH, Cal.—A bond issue of $21,000 to erect bridge over old river channel will be submitted at April election.

SACRAMENTO, Cal.—Election will be held March 11, in the Rio Linda School District, Sacramento county, to vote bonds of $41,000 for a new school building. Trustees of district are: Mary King, Helena C. Donsing, Cynthia M. Bean, C. S. Minor, Stella E. Lewald, Barbara Phinney, Wm. N. Toms, Fred Louis Donsing. Geo. C. Sellon & Co., Mitau Bldg., Sacramento, are the architects.

PARLIER, Fresno Co., Cal.—Until Mar. 10, bids will be received by Supervisors for purchase of $120,000 bond issue of Parlier School District; proceeds of sale to finance construction of a new school building.

FRESNO, Fresno Co., Cal.—Election will be held March 14, in Monroe School District to vote bonds of $50,000 for a new school. Trustees of district are: H. P. Anderson, Chas. T. Ward and M. O. Pisor.

EXETER, Tulare Co., Cal.—Mar. 14 set as date for holding a bond election to vote $88,000 for new grammar schools.

ANAHEIM, Cal.—Bond issue for joint outfall sewer will be submitted at special election April 4. Santa Ana will vote in March on bond issue for her share of joint outfall.

HUNTINGTON PARK, Cal.—Until 8 P. M., Mar. 6, bids will be received by City Trustees for purchase of $75,000 water works bonds authorized at election Dec. 15, 1921, denomination $1,000, bearing 5½% interest payable semi-annually. H. H. Hunter, city clerk.

MONROVIA, Cal.—Walter F. Dunn, president board of city trustees, announces decision of trustees to ask for a bond issue of $20,000 for constructing, or $40,000 for land and building, for a new swimming pool.

HUNTINGTON BEACH, Cal.—Feb. 24 is date for bond election to vote $50,000 for a city hall; $25,000 for municipal auditorium; $20,000 for extensions and $20,00 for fire protection equipment.

AVALON, Catalina Island—Until Mar 10, bids will be received by City Trustees, for purchase of $158,000 bonds voted for municipal water works, including fresh and salt water systems. A. B. Waddingham, city engineer.

PORTERVILLE, Tulare Co., Cal.—City Council contemplates election to vote bonds to finance construction of new firehouse; extensions to water system and the purchase of fire apparatus.

YUBA CITY, Sutter Co., Cal.—Trustees contemplate election to vote bonds of $25,000 to finance construction of combined city hall and fire house, and purchase of motor chemical engine.

EASTON, Fresno Co., Cal.—Election to vote bonds of $285,000 for school improvements in Washington Union High School District failed to carry; vote, 422 for and 279 against.

BAKERSFIELD, Kern Co., Cal.—The $40,000 bond issue of Delano Grammar School District sold by supervisors for premium of $3,213 and $18,500 issue of Rosedale School District for premium of $862. Proceeds of sale in both instances will finance school improvements.

ORLAND, Glenn Co., Cal.—March 18 date set to vote bonds of $30,000 in Orland Joint Union High Schol District; proceeds of sale of issue to finance school improvements. Trustees of district are: George Clark, L. E. Brownell, Mrs. Sarah A. King, W. L. Thompson and Guy Smith.

KLAMATH FALLS, Ore.—Snap tally of votes indicates that $800,000 bond issue to finance construction of a system of good roads for Klamath County carried at a recent election.

COALINGA, Fresno Co., Cal.—An assessment og $19,000 will be levied by city trustees to provide for erection of Warthan creek bridge; enlargement of city gas plant and purchase of equipment to improve streets.

VENICE, Cal.—City Trustees order bond issue in sum of $250,000 to construct new sewer system, placed on the ballot at the next general election, April 10. The plan submitted by Koebig & Koebig, consulting engineers Title Insurance Bldg., Los Angeles, provide for an outfall sewer to the sea, septic treatment tanks, and sewer lines parelleling the present system.

CHURCHES

Plans Being Prepared.
CHURCH Cost, $——
SAN FRANCISCO. SE Divisadero and Clay Sts.
Class C Church.
Owner—Sixth Church of Christ Scientist.
Architect—Wm. H. Crim, Jr., 425 Kearny St., San Francisco.

Contract Awarded.
CHURCH Cost, $70,000
MONROVIA, Los Angeles Co., Cal. Myrtle and White Oak Sts.
Two-story and basement reinforced concrete church.
Owner—Monrovia Presbyterian Church.
Architect—Harry L. Pierce, 901 Wright-Callender Bldg., Los Angeles.
Contractor—Jas. P. Daniels, 415 W White Oak, Monrovia.

Plans Being Figured.
CHURCH Cost, $——
OAKLAND. NW 41st and Gilbert Sts.
One-story frame and plaster (tile roof) Sunday School building as first unit of church.
Owner—Sixth Church of Christ Scientists.
Architect—Wm. Milwain, Albany Bldg, Oakland.
Figures are being taken for a general contract.

Contract Awarded.
CHURCH Cost, $20,000
OAKLAND. W Fallon 40 S 11th.
Frame church.
Owner—Swedish Evangelical Mission Church.
Architect—None.
Contractor—C. A. Hillberg, 443 Van Dyke Ave., Oakland.

Contract to be Awarded.
CHURCH Cost, $26,300
BERKELEY. Oxford Street.
One-story frame and plaster church.
Owner — Second Church of Christ Scientists.
Architect—W. A. Newman, Postoffice Bldg., 7th and Mission, San Francisco.
Low Bidder—Alfred H. Vogt, 185 Stevenson St., San Francisco.

WOODLAND, Yolo Co., Cal.—Rev. G. G. Berger, pastor, First Methodist Church, has had plans prepared for a $40,000 edifice to be erected in North Second street. Construction will be started as soon as sufficient funds are available.

FACTORIES & WAREHOUSES

BERKELEY, Cal. — The following bids were received on February 17th by the Comptroller at the University of California, for a one-story hollow tile power plant building and a two-story concrete and hollow tile horticulture building from plans prepared by Architect Wm. C. Hays, First National Bank Bldg., San Francisco:

General Contract

	All Wk.	Omit Lecture Hall
John M. Bartlett	$26,220	$1,350
I. M. Sommer & Co.	26,783	952
P. F. Reilly, S. F.	32,500	1,200
Concrete Work		
I. M. Sommer Co.	26,783	4,226
Davison & Nicolsen, S. F.	23,500	2,900
Hollow Tile and Terra Cotta		
White & Gloor	10,835	1,100
I. M. Sommer & Co.	11,312	1,007
Morton Builders Co.	14,829	1,200
Ornamental Iron		
New S. F. Wire & Iron Works		$1,139
Pacific Iron Works		1,175
Federal Ornamental Iron Works		1,250
Michel & Pfeffer		1,296
California Artistic Metal & Wire Co.		1,325
Roofing		
United Materials Co	3,750	1,070
Painting		
D. Zelinsky & Sons	2,786	125
I. R. Kissel	3,250	310
Frisk & Swanson	4,240	450
R. Zelinsky	2,945	245
Clyde S. Simons	3,554	——
Electrical Work		
Latourette-Fical Co.	3,566	150
Turner Company	4,540	200
F. E. Newbery Electric	3,890	135
Advance Electric Co	3,874	147
Plumbing		
Hateley & Hateley, Sacramento	4,356	32
Latourette-Fical Co.	4,465	75
Scott Company	4,475	125
Luppen, Hawley & Thing	5,080	65
Carl T. Doell, Oakland	4,886	——
F. W. Snook & Company	4,878	32
Heating		
Scott Company	2,992	312
Carl T. Doell	3,356	256
Turner Company	3,660	240
W. K. Nottingham	3,222	222
Latourette-Fical Co.	3,000	270
Hateley & Hateley	3,036	292
Luppen, Hawley & Thing	3,294	460
Lathing and Plastering		
A. Knowles, S. F.	8,720	1,200
R. D. Felt	8,950	1,000
Leonard Bosch	9,250	1,350
Lathing and Plastering For Dairy Power Plant		
A. Knowles	410	50
L. Bosch	460	—
R. D. Felt	490	50
Excavating and Concrete Work For Power Plant Building		
I. M. Sommer	1,500	800
Tile For Power Plant		
Mealy & Collins		$1,200
White & Gloor		975
I. M. Sommer		423
General Contract Power Plant		
I. M. Sommer		2,310
Power Plant Equipment For Dairy Power Plant		

		Substitute Boilers
Carl T. Doell	$16,468	——
Scott Company	19,696	2,800
Luppen, Hawley & Thing	19,997	2,200
Hateley & Hateley	18,238	——
Turner & Company	20,650	2,400
F. W. Snook & Company	20,250	2,245
Latourette-Fical Co.	20,000	1,612

Contract Awarded.
WAREHOUSE Cost, $25,000
OAKLAND, Alameda Co., Cal. NW Fifth and Cypress Sts.
One-story brick warehouse.
Owner—John L. and L. Z. Todd, 545 Poplar St., Oakland.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland.

Plans Being Prepared.
FACTORY Cost, $150,000
SAN FRANCISCO. NE 2nd and Brannan Streets.
Three-story and basement reinforced concrete factory building 100x160.
Owner—Los Angeles Soap Co.
Architect—W. H. Crim, Jr., 425 Kearny St., San Francisco.

Figures Being Taken For Concrete Work and Reinforcing Steel.
FACTORY BUILDING Cost, $50,000
SAN FRANCISCO. Mission and 13th.
Two-story steel and brick factory building.
Owner—Pacific Embroidery Co.
Architect—Albert Burgren, 110 Sutter St., San Francisco.
Steel work awarded to Dyer Bros.

Plans Being Prepared.
WAREHOUSE Cost, $60,000
PASO ROBLES, San Luis Obispo Co.
Reinforced concrete warehouse.
Owner—Paso Robles Almond Growers Association.

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Architect—D. R. Bailey, 2216 25th St., Sacramento.

Plans Being Prepared.
STORE & LOFT BLDG. Cost, $250,000
LOS ANGELES, Cal. Hill St. near 7th.
Eight-story Class A store and loft building.
Owner—Withheld.
Architect — Chas. F. Plummer, Story Bldg., Los Angeles.

Owner Taking Sub-figures.
FACTORY Cost, $27,000
SAN FRANCISCO. NE Folsom and Dore Sts.
One-story class C factory.
Owner—Carl H. Peterson, Sharon Bldg, San Francisco.
Architect—Martin Sheldon, 110 Sutter St., San Francisco.

LOS ANGELES, Cal.—The harbor commission has instructed Harbor Engineer Vincent to prepare plans and specifications for new wharf at berths No. 175 and 176 in East Basin channel, together with plans for a steel transit shed thereon.

BENICIA, Solano Co., Cal.—With the prospects of the tidelands being filled in, made possible by an act in the last legislative session, granting Benicia a reclamation district, the G. W. Hume Cannery Co., plans the enlarging of its plant. The cannery will be enlarged several times its capacity. Erection of forty cottages to house employes is also contemplated by he company.

ALTURAS, Modoc Co., Cal.—U. S. Forestry Office, located here, announces Stockton Match Co. of Stockton, will build a factory in Alturas for the manufacture of pencils.

RICHMOND, Contra Costa Co., Cal.—The Galena Signal Oil Co. of Franklin, Penn., has purchased a 4-acre site near Standard Oil plant and proposes to construct refinery to cost $500,000. Announcement of the project is made by the Richmond Industrial Commission. Chas. A. Miller, superintendent of the company's plant at Franklin will superintend construction of the Richmond plant.

FLATS

Plans Completed.
FLATS Cost, $9,000
SAN FRANCISCO. W 17th Ave. 150 N Fulton.
Two-story and basement frame (2) flats.
Owner—Mrs M. Jaenicke, 373 Russ Bldg, San Francisco.
Architect—Arthur T. Ehrenpfort, Russ Bldg., San Francisco.

Plans Completed.
FLATS Cost, $10,000
SAN FRANCISCO. W 19th Ave. 125 N Fulton.
Two-story and basement frame (2) flats.
Owner—Mr. and Mrs. Thornton.
Architect—Ell Neumarkel, 544 Market St., San Francisco.

Contract Awarded
FLATS. Cost, $7400
SAN FRANCISCO E Seventeenth Ave. 270 S California St.
Two-story and basement frame (2) flats
Owner—John Smyth & wife, 1706 Anza St., San Francisco.
Architect—A H Knoll, Hearst Bldg., San Francisco
Contractor—P J Phelan, 1706 Anza St San Francisco

Owner Taking Figures
FLATS Cost $24,000
SAN FRANCISCO S California, 86 and 126 W Tenth Avenue.
Two two-story and basement frame flats.
Owner—M. Lager 330 Market St., San Francisco.
Architect — Edward E Young 251 Kearny St., San Francisco.

Plans Completed.
FLATS Cost, $12,000
SAN FRANCISCO. SW Clement and 22nd Ave.
Two-story and basement frame (4) flats.
Owner—O. Michelson.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Contract Awarded.
FLATS Cost, $14,000
SAN FRANCISCO. NE California and 3rd Ave.
Two-story and basement frame (4) flats.
Owner—Howard J. Griffith.
Architect—None.
Contractor—N. J. Nelson, 1505 Balboa St., San Francisco.

SAN FRANCISCO—W. L. Hemminga, 47 Ashbury St., has purchased a block on Fulton street opposite Ashbury and will erect residential flat buildings.

GARAGES

Contract Awarded.
GARAGE Cost, $12,000
PACIFIC GROVE, Monterey Co., Cal.
One-story concrete garage.
Owner—L. F. Bambauer, Pacific Grove.
Architect—Paul V. Tuttle, 565 Lighthouse Ave., Pacific Grove.
Contractor — Wm. Sweeney, Pacific Grove, Cal.
Other bidders: T. H. Dean, Monterey, brick, $14,583; concrete, $14,083. Geo. Turner, Pacific Grove, concrete, $15,896; brick, $16,434. Fred McCrary, Pacific Grove, concrete, $14,093; brick, $12,800. Sweeney bid $13,750 for brick construction.

Contract Awarded.
GARAGE Cost $7,994
EUREKA, Humboldt Co., Calif.
1-story Corrugated Iron and Frame Garage.
Owner—County of Humboldt, Fred M. Kay, Clerk.
Architect—F. T. Georgeson, 4th and E Sts., Eureka.
Contractor—H. L. & O. B. Ackerman, Eureka, Calif.
Other bidders were: J. T. Wolford, $9,898; W. C. Elsmore, $9,133; Mercer-Fraser, $8,966; A. N. Foster, $9,460; Padgett & Kelly, $10,250; Smith Bros., $14,992. All bidders from Eureka.

Plans Completed—Permit Applied For.
GARAGE Cost, $20,000
SAN FRANCISCO. E Valencia 195 N 15th.
Two-story reinforced concrete class C garage.
Owner—Dunn-Williams Co.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—Bids will be received until March 23, 1922, by the U. S. Supervising Architect's office, for the installation of two new boilers and mechanical changes in the Cold Storage and Ice Plant at Whipple Barracks, Prescott, Arizona. **See call for bids under official proposal column.**

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Feb. 13, 1922—SEALED PROPOSALS will be opened in this office at 3 P. M., March 6, 1922, for furnishing and installing lighting fixtures in the U. S. Veterans Hospital No. 55, at Fort Bayard, N. Mex., in accordance with the drawings and specifications, copies of which may be had at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BUREAU OF YARDS AND DOCKS, Navy Department, Washington.—Bids are wanted until March 8, for constructing 6 barracks and entrance gates at the naval station San Diego, Calif. Deposit for plans, $20. For information address above.

BUREAU OF YARDS AND DOCKS, Navy Department, Washington.—Bids are wanted until March 15, specification 4586, for steam supply system for the naval training station, San Diego, Calif. Deposit for plans, $10. For information address above.

BUREAU OF YARDS AND DOCKS, Navy Department, Washington.—Bids are wanted until March 22, specification 4574, for constructing naval radio station at Tatoosh, Wash. For information address above.

WASHINGTON, D. C.—Following bids received by Supervising Architect, Treasury Department, for mail conveying machinery for Portland, Ore., postoffice: Saml. Olson & Co., Chicago, $19,116; 90 days. North West Engineering & Equipment Co., Portland, Ore., $8,490; 90-120 days. Albey Mfg. Co., St. Louis, $14,310; 120 days. Standard Conveyor Co., North St. Paul, Minn., $9,485.75; 70 days. The Lamson Co., Boston, $13,875; 120 days.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at the end of each paragraph:

Schedule 9445, for Mare Island, 2,000 gallons spar varnish; March 14.

Sched. 9446, for Mare Island, 500 pounds VanDyke brown and 1,675 gals. paint drier; Mar. 14.

Sched. 9447, for navy yard, Mare Island, 5,000 water-gage glasses; Mar. 14.

Sched. 9448, for navy yard, Mare Island, 15 valve-reseating outfits; Mar. 14.

Sched. 9451, for the Mare Island navy yard, 2,525 pounds brass, 1,200 pounds phosphor bronze, and 1,200 pounds sheet copper; Mar. 14.

WASHINGTON, D. C.—Until April 17, 10.30 A. M., bids will be received by Panama Canal Commission for purchase of steel seagoing tug boat "Empire," no longer required. Further information may be had from Assistant Purchasing Agent at Fort Mason. Circular No. 1471.

WASHINGTON, D. C. — Senator Hiram Johnson seeks $88,000 for erection of an Indian School at Greenville, Plumas county, Calif.

HALLS AND SOCIETY BUILDINGS

Plans Being Figured—Bids Close Feb. 25, 1922, 2:30 P. M.
CLUB Cost, $30,000
MODESTO, Stanislaus Co., Cal. 14th Street bet. I and J Sts.
Two-story and basement brick and concrete club building, 55x137, (auditorium to seat 700.)
Owner—Women's Improvement Club of Modesto.
Architect—I. W. Marlowe, % Hansen & Woods, Modesto.
Bids will be received by Mrs. E. M. Levy, Chairman Building Committee, Women's Improvement Club. Plans may be obtained from T. B. Scott, 918½ Eye St., Modesto

Contract Awarded
GYMNASIUM Cost, $13,711
ALAMEDA, Alameda Co., Cal. 2265 Santa Clara Ave.
One-story concrete frame gymnasium building and handball court for club.
Owner—Elks Lodge.
Architect—Hamilton Murdock and Harvey Thompson, Syndicate Bldg., Oakland
Contractor—L. E. Kochendorfer, 2204 Lincoln Ave., Alameda.

ANTIOCH, Contra Costa Co., Cal.—The Antioch Masonic Hall Association, whose purpose is to erect a modern lodge building, has filed articles of incorporation. It is capitalized at $50,000. Directors are R. V. Davis, H. A. West, W. E. Altizer, J. A. Bonslett and R. P. Easley.

ELKO, Nevada—Elko Camp No. 829, Woodmen of the World, will appoint committee to secure plans and estimates of cost for a modern lodge building.

HOSPITALS

SACRAMENTO, Cal.—Until March 9, 1.30 P. M., bids will be received by R. E. Callahan, chairman, Hospital Central Committee, for installing oil burning equipment, ranges and ovens and other equipment for Service Building at Weimar Sanitarium. **See call for bids under official proposal section in this issue.**

OAKDALE, Stanislaus Co., Cal.—Chamber of Commerce, R. L. Acker, secretary, circulating petitions seeking a bond election to finance construction of $40,000 municipal hospital.

HOTELS

Plans Being Figured—Bids Close Mar. 8, 1922.
HOTEL Cost, $7,000,000
LOS ANGELES. 5th and Olive Sts. and Grand Ave.
Fourteen-story and basement Class A hotel 320x198 (Biltmore Hotel) 950 rooms and baths.
Owner—Central Investment Co.
Architects—Schultze & Weaver, New York, and 633 Pacific Mutual Bldg., Los Angeles.

Ten sets of plans have been sent out to contractors. The local contractors who have received plans are Weymouth Crowell, C. J. Kubach Co., Lange & Bergstrom, Scofield Engineering Construction Co. and Jacobs Construction Co., representing Selden-Breck Co. of St. Louis. Other contractors figuring the plans are: Foundation Co., 120 Liberty St., New York; Geo. A. Fuller Co., 949 Broadway, New York; Jas. Stewart Co., 30 Church St., New York; Jas. W. Black, 594 Arcade Bldg., St. Louis; Wells Bros. Construction Co., Monadnock Bldg., Chicago.

POWER PLANTS

Contract Awarded.
ADDITION Cost, $——
SAN FRANCISCO, Bush St. and Grant Ave.
1-story reinforced concrete and steel addition to present 1-story power plant.
Owner—Great Western Power Plant.
Architect—Willis Polk, Hobart Bldg., San Francisco.
Contractor—Barnett & Hilp, 918 Harrison St., San Francisco.

Barrett & Hilp also were the low bidders and will be awarded a contract for a power house to be erected at El Cerrito in Contra Costa County.

FRESNO, Fresno Co., Cal.—Plans of San Joaquin Light and Power Co., as filed with federal power commission provide for Kerckhoff development project as follows: arched dam 110 ft. high across narrow gourge in San Joaquin river, 3½ mile tunnel in 18-ft. square sections through granite mountain, three 15,000 h. p. waterwheels in each power house, 110 miles of 110,000 volt transmission lines.

PUBLIC BUILDINGS

RED BLUFF, Tehama Co., Cal.—Until March 14, 10 A. M., bids will be received by H. G. Kuhn, county clerk, for installing heating system in Courthouse; Geo. Sellon & Co., Mitau Bldg., Sacramento, architects. **See call for bids under official proposal section in this issue.**

RESIDENCES

Contract Awarded.
DWELLING Cost, $11,000
SAN FRANCISCO. SE Monterey and San Benito Way.
One-story and basement frame dwelling.
Owner—Dr. F. W. Curtiss.
Architect—None.
Contractor—Unit Construction Co., 431 Phelan Bldg., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $6500
OAKLAND, Alameda Co., Cal. Trestle Glenn.
Two-story frame residence.
Owner—Chester Miller.
Architects—Chester Miller and Carl Warnecke, Perry Bldg., Oakland.

Plans Completed—Owner To Let Segregated Contracts.
RESIDENCE Cost, $8,000
BERKELEY, Alameda Co., Cal. Claremont District.
Two-story frame and plaster residence (6 rooms).
Owner—Chas. Wooll, 6140 Chabot Rd., Berkeley.
Architect—W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley.

Plans Being Figured.
RESIDENCE Cost, $12,000
OAKLAND. Long Ridge.
Two-story frame and plaster residence and garage.
Owner—W. W. Patterson.
Architect—W. E. Schirmer, Thayer Bldg., Oakland.

Contract Awarded.
BUNGALOWS Cost, $47,160
REDWOOD CITY, San Mateo Co., Cal. Redwood Highlands, Dingee Park.
Twelve one-story 5-room frame bungalows.
Owner—Redwood Highlands Co., Redwood City.
Architect—Wm. J. Wilkinson, 1st Savings Bank Bldg., Oakland.
Contractor—Harry C. Knight, 388 12th St., Oakland.

Contract Awarded.
RESIDENCE Cost, $17,600
OAKLAND. Perry and Jean.
Two-story frame residence (10 rooms and garage.
Owner—Emil Hosmer.
Architect—Slocombe & Field, First Savings Bank Bldg., Oakland.
Contractor—A. F. Andersen, 4332 Leach Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, $30,000
PIEDMONT, Alameda Co., Cal. Wildwood Avenue Lot 150.
Two-story frame residence (14 rooms).
Owner—Chas. C. Keeney, 38 Crocker Ave., Piedmont.
Architect—None.
Contractor—A. Cederborg, 1445 E-37th St., Oakland.

Contract Awarded.
RESIDENCE Cost, $10,000
SAN FRANCISCO. E San Leandro Way between Portola and St. Francis Blvd.
Two-story and basement frame residence.
Owner—Arnold Haase.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco.

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SCHOOLS

Contracts Awarded.
SCHOOL Cost, $70,000
MERCED, Merced Co., Cal. J St. near Twenth-first St.
One-story 10-room reinforced concrete elementary school.
Owner—Merced Elementary School District, J. W. Spangoll, Clerk.
Architect—Norman B. Coulter, 46 Kearny St., San Francisco.
General Contract to Merced Concrete Pipe Co., Merced, $55,750.
Heating to Griffin Sheet Metal Works, Fresno, $1,957.

Contracts To Be Awarded.
SCHOOL Cost, $100,000
HAYWARD, Alameda Co., Cal. SE Walpert and E Streets.
One and two-story reinforced concrete school (10 classrooms, auditorium, manual training and domestic).
Owner—Hayward Grammar School District (Jacob Harder, Jr., clerk).
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.
Carpentry to Ruegg Bros., Pacific Bldg, San Francisco, $47,510.
Concrete Work to Sorenson Bros., Hayward, $24,380.
Painting to Sorenson Bros., $3,400.
Plumbing to Scott Co., $6581.
Electric Work to Sorenson Bros., $4918.
Heating to Jas. A. Nelson, 517 6th St.,

Contracts Awarded.
SCHOOL Cost, $——
PORTERVILLE, Tulare Co., Cal.
Two-story and basement reinforced concrete high school.
Owner—Porterville High School District.
Architect—Coates & Traver, Rowell Bldg., Fresno.
General Contract to Trewhitt & Shields, Rowell Bldg., Fresno, $209,188.
Pumping Plant to Luppen, Hawley & Thing of Sacramento, $3,500.
Heating to Luppen, Hawley & Thing, $15,434.
Clock System to Pacific Coast Electric Clock Co., $1,500.
Blackboards to Pacific Coast Blackboard Co., $2,658.
Linoleum to Van Fleet-Frear Co., San Francisco, $2,430.

Bids to beAsked About April 15.
SCHOOL Cost, $30,000
MERIDIAN, Sutter Co., Cal.
One-story brick or concrete school (3 classrooms and assembly hall).
Owner—Meridian Grammar School District.
Architect—Chester Cole, Wateriand-Breslauer Bldg., Chico.

Will Call for Bids April 1st.
SCHOOL Cost, $18,000
BAKERSFIELD, Kern Co., Cal.
One-story frame and plaster 4-room school. Composition and crushed brick roof.
Owner—Rosedale School District.
Architect—J. M. Saffell, 924 19th St., Bakersfield, Cal.

Plans Being Prepared.
SCHOOL Cost, $100,000
AUBURN, Placer Co., Cal.
High school buildings.
Owner—Placer Union High School District.
Architects—Jas. S. and Charles Dean, 1351 40th St., Sacramento.

Contract Awarded.
SCHOOL Cost, $75,959
PASADENA, Los Angeles Co., Cal. Atlanta and Casitas Sts. (Andrew Jackson School).
One-story brick school (6 rooms and an auditorium).
Owner—Pasadena School District.
Architect—Marston and Van Pelt, Chamber of Commerce Bldg., Los Angeles.
Contractor—L. P. Pomeroy, Chamber of Commerce Bldg., Pasadena.

Plans Completed — Will Take Bids About April 1, 1922.
ADDITIONS Cost, $20,000
SHAFTER, Kern Co., Cal.
Four-room addition to Richland school and altering present structure plastering exterior, etc.)
Owner—Richland School District.
Architect—J. M. Saffell, 924 19th St., Bakersfield.

Plans Being Figured—Bids Close Mar. 6, 1922, 8 P. M
GYMNASIUM BLDG. Cost, $200,000
LONG BEACH, Los Angeles Co., Cal. Polytechnic High School Site.
Two brick gymnasium buildings, 120x 140 and 125x115 respectively.
Owner—Long Beach Bd. of Education.
Architects — John C. and W. Horace Austin, Baker-Detwiler Bldg., Los Angeles and First National Bank Bldg., Long Beach.

Bids to be Called for in a Few Days.
AUDITORIUM Cost, $45,000
OAKLAND, Alameda Co., Cal. 16th St. and 23rd Avenue.
One-story frame and stucco auditorium —gymnasium building.
Owner—City of Oakland.
Architect — Construction Department Oakland Board of Education, C. W. Dickey, Chabot Hall, 11th and Jefferson Sts., Oakland.

Bids To Be Advertised For The First Week of March.
SCHOOL Cost, $115,000
LIVERMORE, Alameda Co., Cal.
One-story hollow tile school (8 classrooms, auditorium, gymnasium, manual traing, domestic science rooms, etc.)
Owner — Livermore Grammar School District.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.
Figures will be taken for a general contract and segregated contracts.

Bids To Be Called For In About A Month.
SCHOOL Cost, $500,000
OAKLAND. University High School Site.
Two and three-story reinforced concrete high school.
Owner—City of Oakland.
Architect—Construction Dept, Oakland Board of Education (C. W. Dickey) Chabot Hall, 11th and Jefferson Sts., Oakland.

Bids To Be Called For Next Week.
ADDITION Cost, $65,000
TRACY, San Joaquin Co., Cal. (West Park School).
One-story brick addition to school (6 rooms, assembly hall, manual training, domestic science and art rooms).
Owner—Tracy School District.
Owner—Wright & Satterlee, Bank of Italy Bldg., Stockton.

Bids to be Called For Next Week.
GYMNASIUM Cost, $140,000
BERKELEY. Grove, Milvia Sts., Bancroft and Channing Ways.
Two story reinforced concrete and brick gymnasium.
Owner—Berkeley Board of Education.
Architect—Wm. C. Hays, First National Bank Bldg., San Francisco.

Contract Assigned.
SCHOOL Cost, $105,921
HAYWARD, Alameda Co., Cal. SE Walpert and E Streets.
One and two-story reinforced concrete school (10 classrooms, auditorium, manual training and domestic).
Owner — Hayward Grammar School District (Jacob Harder, Jr., clerk).
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.
All work except heating and plumbing to Monson Bros., 251 Kearny St., San Francisco, $91,608.
Plumbing to Scott Co., $6,581.
Heating to Jas A. Nelson, 517 6th St., $7,732.
NOTE—The concrete work was originally awarded to Ruegg Bros. and the electric work to Sorensen Bros., but they assigned their contracts to Monson Bros.

Bonds Voted—Plans Being Prepared.
SCHOOL Cost, $45,000
IRVINGTON, Alameda Co., Cal.
One-story frame and plaster school (6 rooms and Domestic Science Department).
Owner—Irvington School District.
Architect—Harry C. Smith, Humboldt Bank Bldg., San Francisco.

AZUSA, Los Angeles Co., Cal.—North Pacific Constr. Co., was low bidder at $202,964 on general contract for five reinforced concrete buildings for Citrus Union High School District, between Azusa and Glendora. Other low bids received by the school trustees were: Plumbing, Arthur Hess, 610 Baker-Detwiler Bldg., $8363; steam heat, Hill & Sons, $9287; gas heating, Pacific Gas Radiator Co., $4419; electric wiring, Hall & Son, 701 N. Gordon St., Pomona, $7499; painting, Alhambra Wall Paper & Paint Co., Alhambra, $8975; program clocks, Standard-Electric Time Co., $1165. J. C. Austin, Baker-Detwiler Bldg. and W. H. Austin, Long Beach, associated, architects.

SAN FRANCISCO—Jas. Smith, 180 Jessie St., at $37,650 awarded contract by the Board of Public Works for furring, lathing and plastering in the Mission High School Addition. John Reid Jr., City Architect.

ONTARIO, San Bernardino, Cal.—Architect Harwood Hewitt, 1130 Van Nuys Bldg., Los Angeles, has been commissioned to prepare plans for a junior high school building at Ontario, for Ontario School District. Eight classrooms, two rooms for domestic arts and an auditorium to seat 600 people; 2-story brick or concrete construction, stucco exterior, composition roofing, pine trim, pine and maple floors; $95,000.

LOS ANGELES, Cal. — Architects Russell & Alpaugh, 1106 Story Bldg., Los Angeles, have been selected by the Board of Trustees of the Venice High School District, to prepare plans for a group of five school buildings to be erected at the present high school site, including a 30-room junior high school; 1200-seat auditorium; new study hall; gymnasium; and adding a part second story to the present mechanical art building. An election to vote $350,000 in bonds will be called for about Mar. 31. All the new structures will be of brick to match the present buildings.

WATSONVILLE, Santa Cruz Co., Cal. —Until March 3, 3 P. M., bids will be received by C. E. Hoyt, R. F. D. No. 4, Watsonville for constructing school building for Carrolton School District.

FOLSOM, Sacramento Co., Cal.—Steps being taken to form union high school district. Should district be organized a bond election will be called to vote bonds to finance construction of a new high school.

BAKERSFIELD, Kern Co., Cal.—Fred Gribble, Bakersfield, at $4,493.50, only bidder, awarded contract by Maricopa High School District, to construct swimming pool and tank tower and 100-barrel galvanized iron tank and pumping system. Plans prepared by Architect J. M. Saffell, 924 19th St., Bakersfield.

COLUSA, Colusa Co., Cal.—Trustees of Colusa High School District (unofficially) determine to locate proposed new high school south of state highway on blocks 97, 98, 109, 110 and 111, comprising 17½ acres. An architect to prepare plans is yet to be selected.

BERKELEY, Cal.—The following contracts have been awarded by the Comptroller at the University of California, for a one-story hollow tile power plant building and a two-story concrete and hollow tile horticulture building, from plans prepared by Architect Wm. C. Hays, First National Bank Bldg., San Francisco:
General contract to John M. Bartlett, 352 72nd St., Oakland; concrete work to Davison & Nicolsen, San Francisco; hollow tile and terra cotta to White & Gloor, 180 Jessie St., San Francisco, ornamental iron to New S. F. Wire & Iron Works, San Francisco; roofing to United Materials Co.; painting to D. Zelinsky & Sons, 180 Jessie St., San Francisco; electrical work to Latourrette-Fical Co., Sacramento; plumbing to Hateley & Hateley, Sacramento; heating to Scott Company; lathing and plastering to A. Knowles; excavating and concrete work for power plant building, tile work for power plant and general contract for power plant, all to I. M. Sommers, San Francisco; power plant equipment for dairy power plant to Carl T. Doell, Oakland.

LOS ANGELES, Cal.—Until 9 A. M., Mar. 8, 1922, bids will be received by the board of education, for 15th St. school building, located on W side of Mesa St. between 15th and 16th St., San Pedro.
At the same meeting bids will be received for the proposed addition to the Malabar St. school, 3200 Malabar St. Bids will be taken separately on general contract, plumbing, heating, painting and wiring. Plans and specifications may be obtained at secretary's office, 730 Security Bldg.

STORES AND OFFICES

Ready For Figures In Two Weeks.
BAKERY Cost, $18,000 to $20,000
PASO ROBLES, San Luis Obispo Co., Cal.
Two-story brick bokery.
Owner—Geo. Jacobs.
Architect—Miller & Warnecks, Perry Bldg., Oakland.

Plans Being Prepared.
ALTERATIONS Cost, $50,000
SAN FRANCISCO. Cliff House.
Extensive interior alterations to cafe. (It will be enlarged to seat 550 people; the kitchen and serving department will be moved to the basement; the interior will be elaborately decorated).
Owner—Charles Sutro.
Lessee—Richard P. Roberts.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Plans Being Figured—Bids Close Mar. 1, 1922.
ALTERATIONS Cost, $7,000
OROVILLE, Butte Co., Cal.
New store front: Structural steel; plate glass; marble and floor tile.
Owner—Ophir Hardware Co., Oroville.
Architect—Chester Cole, Waterland-Breslauer Bldg., Chico.

Plans Being Figured
ADDITIONS Cost, $35,000
WILLOWS, Glenn Co., Cal.
Additions to and completion of Hochheimer Building.
Owner—Hochheimer Building, Willows, Cal.
Architect—Otto A. Delchmann, Barceloux Bldg., Willows.
Work will be let in general contract, including plastering, plumbing, painting, electric work, mill work, glazing, metal sash, etc.

Plans Being Figured
AUTO SALES BLDG. Cost, $30,000
OAKLAND, Alameda Co., Cal. Webster Street near 14th Street.
One-story reinforced concrete auto sales building.
Owner—A. D. Babcock.
Architect—Meyer & Johnson, 742 Market St., San Francisco.
Figures are being taken for a general

Contract Awarded.
OFFICE BUILDING Cost, $52,473
SAN FRANCISCO. S California 91-8 E Front.
Five-story Class C loft and office building.
Owner—W. W. Crocker.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco
Contractor—W. T. Commary, Crocker Bldg., San Francisco.
The next lowest bid was submitted by Lawton & Vezey at approximately $53,500.

Contract Awarded.
OFFICE BLDG. Cost, $12,000
REDWOOD CITY, San Mateo Co., Cal E Webster 62-6 N Broadway.

Two-story reinforced concrete Class "C" office building.
Owner—Geo. H. Rice Abstract Co.
Architect—W. H. Toepke, 942 Market St., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Plans Being Prepared.
BUILDING Cost, $——
LOS ANGELES. Hill near 7th Street.
Class A building 100x155 with wing 38x90 (number of stories not decided).
Owner—Dunn-Williams Co. of San Francisco, and A. C. Blumenthal & Co. of San Francisco and Los Angeles.
Architect—Samuel Heiman, 57 Post St, San Francisco.
Contractor—MacDonald & Kahn, Loew State Bldg., Los Angeles.

Bids Opened—Contracts To Be Awarded This Week.
OFFICE BUILDING Cost, $75,000
SAN FRANCISCO. Howard St. and Hawthorne Ave.
Two-story and basement Class C office and loft building.
Owner—S. F. News Co., Howard St., San Francisco.
Architect—N. W. Sexton, Chronicle Bldg., San Francisco.

Combination Bid—Excavation, Concrete and Carpentry Work
Alfred H. Vogt $53,469

Excavating and Concrete
Atlas Concrete Co. $18,387
Barrett & Hilp 20,745
Farrell & Reed 22,588
F. L. Hansen 24,300

Carpentry Work
N. F. Nielsen, 180 Jessie St. $32,620
Barrett & Hilp 34,882
Wright & Glahn 35,170
F. L. Hansen 37,700

Brick and Terra Cotta
Mealy & Collins $27,900
Farrell & Reed 29,770
M. V. McGowan 32,968
Emil Hogberg 36,420

Structural Steel
Western Iron Works $6,226
Pacific Rolling Mill 6,530
Dyer Bros. 7,475
Schrader Iron Works 8,466

Bronze and Ornamental Iron
Federal Ornamental Iron Works. $1,850
American Art Metal Works 1,890
C. J. Hillard Co. 1,920
Monarch Iron Works 2,100

Miscellaneous Iron Work
Western Iron Works $3,680
Monarch Iron Works 3,912
Schrader Iron Works 3,956

Electrical Work
Globe Electric Works $2,665
A. W. Howard 4,825
Atlas Electric Co. 4,915
Butte Electric & Mfg. Co. 4,595
Central Electric Co. 5,100

Plumbing
C. Petersen Co. $4,189
F. W. Snook & Son 4,690
Gilley-Schmid Co. 4,262

Heating
C. Petersen Co. $3,950
F. W. Snook & Son 4,966
Gilley-Schmid Co. 3,198

Fire Doors
Richard Spencer $1,395
C. Jorgensen & Co. (only 6 art metal doors) 1,175
Waterhouse-Wilcox Co. 1,251
(37745) 1st report Dec. 28, 1920; 6th, Feb. 10, 1922. R 2

Plans Being Figured.
ADDITION Cost, $3,000
SAN FRANCISCO. Stockton between Broadway and Vallejo.
One-story frame addition to present two-story building.
Owner—A. Esmiol.
Architect—Albert Fabre, 110 Sutter St, San Francisco.

Contract Awarded.
STEEL STAIRS, ETC. Cost, $10,000
SAN FRANCISCO. NW Pine & Steiner Streets.
Steel stairs, brick, tile and plaster partitions, concrete floors, etc., for telephone exchange building.
Owner—Pacific Tel. & Tel. Co.
Architect—Engineering Dept. of Owner
Contractor—Matthies & Gale, 180 Jessie St., San Francisco.

Plans Being Prepared.
OFFICE BUILDING Cost, $——
SAN FRANCISCO. SE Sutter & Taylor.
Six-story steel, brick and concrete office building.
Owner—J. S. Morgan.
Architect—M. V. Politeo, First National Bank Bldg., San Francisco.

Plans Being Prepared.
OFFICE BUILDING Cost, $600,000
FRESNO. Fresno Co., Cal. Tulare and J Streets.
Eight-story fireproof offices 75x100.
Owner—Withheld.
Architect—R. F. Felchlin, Bank of Italy Bldg., Fresno.
It is expected that bids will be asked about April 15th.

Contract Awarded.
STORES Cost, $34,000
BURLINGAME, San Mateo Co., Cal. Burlingame Avenue.
One-story reinforced concrete (3) stores 80x100.
Owners—Jas. Lawrence, E. C. Douglas and O. J. Williams, Burlingame.
Architects—Edwards & Kuhn, 833 Market St., San Francisco.
Contractor—Sampson Construction Co., Monadnock Bldg., San Francisco.

Too Late to Classify

Contract Awarded.
APARTMENTS Cost, $15,000
SAN FRANCISCO. N California 103-4 E Octavia.
Three-story and basement frame (12) apartments.
Owner—Geo. W. Mensor, 1351 Jackson St., San Francisco.
Architect—None.
Contractor—Shas. Schwarz, 1440a Hyde St., San Francisco.

To be Done by Day's Work.
APARTMENTS Cost, $25,000
SAN FRANCISCO. SW Washington & Wetmore.
Three-story and basement frame (12) apartments.
Owner—C. S. Allred, 159 Liberty St, San Francisco.
Architect—None.
Day's work.

Additional Contracts Awarded.
APARTMENTS Cost, $——
SAN FRANCISCO. E Divisadero 130 E Duboce.
Three-story and basement frame (5) apartments.
Owner—Geo. Wahlheim, 751 Page St., San Francisco.
Architects—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.
Plastering to Carroll.
Tile to Rigney Tile Co.
Hardwood Floors to Inlaid Floor Co.
Wall Beds to Marshall & Stearns.
Fire Escapes to Rincon Iron Works.

Contract Awarded.
APARTMENTS Cost, $43,000
BAKERSFIELD, Kern Co., Cal. 19th and B Streets.
Two-story and basement brick apartments (12, 3-room apartments).
Owner—R. W. McGill, Bakersfield.
Architect—Eugene K. Martin, Bakersfield.
Contractor—Geo. I. Harris, Bakersfield.

Contracts Awarded.
SCHOOLS Cost, Hawthorne, $37,600; Nipomo, $48,400.
SAN LUIS OBISPO, San Luis Obispo Co., Cal.
One-story brick and frame school building at Hawthorne School site and remodel Nipomo school.
Owner—San Luis Obispo School District (Ruth Merritt, Clerk).
Architect—Oroville L. Clark, Brower Bldg., Bakersfield.
Contractor—W. J. Smith, San Luis Obispo, Cal.

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Official Proposals

NOTICE TO CONTRACTORS

SUTTER COUNTY HIGHWAY SYSTEM

SEALED PROPOSALS will be received at the office of the Clerk of the Board of Supervisors, Hall of Records, Yuba City, California, **until 10 o'clock A. M., on Tuesday, March 7th, 1922,** for the construction of, or furnishing materials for the following named highways:

ENGINEER'S ESTIMATE

I.

MERIDIAN - KIRKSVILLE ROAD—First Street, Meridian, to be paved with Reinforced Concrete 15 feet wide and 5 inches thick; length, 0.38 of a mile.

Item 1.—7938 sq. yds. Grading.

Item 2.—463 cu. yds. Reinforced Concrete Pavement.

(The Contractor is to furnish all materials).

II.

LONG BRIDGE-TARKE ROAD—To be constructed of Butte House Rock 15 feet wide and 6 inches thick; length, 2.55 miles.

Item 1.—6,000 cu. yds. Excavation.

Item 2.—100 lin. ft. Culvert Pipe.

Item 3.—4 cu. yds. Concrete Headwalls.

Item 4.—5,000 cu. yds. Butte House Rock.

Item 5.—200 lin. ft. Guard Rail.

(The County will furnish Culvert Pipe.)

III.

KNIGHTS LANDING-KIRKSVILLE ROAD—Materials to be furnished by the County.

8,000 barrels Portland Cement.

Item 1.—Price, f. o. b. cars, Knights Landing, Calif.

Item 2.—Price f. o. b. cars, Maddock, Calif.

Item 3.—Credit, empty sacks returned.

Item 4.—Discount, payment in 10 days.

Plans and specifications may be obtained at the office of the Engineer of the Sutter County Highway System, Court House, Yuba City, California. A deposit of $10 will be required on each set, to insure return of same within 10 days after bids are accepted.

The Board of Supervisors reserves the right to reject any or all bids or to accept the bid deemed best for the interest of the County.

OSCAR W. LANZENDORF,
Engineer Sutter County Highway System.
BOARD OF SUPERVISORS SUTTER COUNTY
By A. E. SCHELLENGER, Chairman.
Attest: ALBERT B. BROWN, Clerk.
Yuba City, Calif., February 7, 1922.

TRACTOR BIDS WANTED

SEALED PROPOSALS will be opened March 15, 1922, at 2 P. M., by the U. S. Forest Service, Portland, Ore., for furnishing from one to twenty gasoline tractors of the track-laying type, of weights running from approximately two tons to five tons. The right is reserved to make awards in groups according to weights, as required by the varying needs of the service. Forms on which to bid may be obtained by addressing Purchasing Agent, Forest Service, Portland, Ore.

BIDS WANTED FOR OIL BURNING EQUIPMENT, ETC.

NOTICE TO CONTRACTORS

Office of the Secretary of the Hospital Central Committee for the counties of Amador, Colusa, Contra Costa, El Dorado, Placer, Plumas, Sacramento, Sutter, Tuolumne, Yolo and Yuba, Sacramento City, California.

Pursuant to an order of the Hospital Central Committee for the above named counties of California made and entered on record on the 16th day of February, 1922.

A call for bids published in this section indicates that bids are desired from other than local bidders. Maximum competition is desired, and this is assured through BUILDING AND ENGINEERING NEWS which reaches every worth-while contractor and materialman in Central and Northern California who bids on public work.

Rate: 10 cents per line, per insertion.

All official calls for bids of the California State Highway Commission and Nevada State Highway Commission are published in this section.

Notice is hereby given that sealed bids will be received by the undersigned **up to and not later than the hour of 1:30 o'clock P. M., of the 9th day of March, 1922,** in the Supervisors' room of the Sacramento County Court House building, Sacramento City, California, for the installation and completion of oil burning equipment, ranges and oven, also on electric ranges and ovens, together with other kitchen and service equipment in the new Service building at the Weimar Joint Sanitarium, located on a site about one-quarter mile southwest of Weimar Station, in the County of Placer, State of California.

Said ranges, kitchen and service equipment to be constructed and installed in accordance with the plans and specifications prepared therefor by W. H. Weeks, Architect, and adopted by the Hospital Central Committee for the counties above named, which said plans and specifications may be seen and examined during office hours by intending bidders at the Architect's Office, 369 Pine St., San Francisco, California.

All bids must be accompanied by a certified check on some solvent bank, in the sum equal to ten per cent (10%) of the amount of bid, conditioned that if the contract is awarded to the party submitting the accepted bid, will enter into contract and furnish such bonds as may be required by law, or that failing so to do, the amount of such check will be forfeited as liquidated damages for such failure. All checks must be made payable to the order of R. E. Callahan, Chairman of the Hospital Central Committee.

The right is hereby reserved to reject any and all bids.

By order of the Hospital Central Committee, for the above named 11 counties.

R. E. CALLAHAN, Chairman.
Attest: W. A. Russell, Secretary.

NOTICE FOR SEALED PROPOSALS (Heating System)

NOTICE IS HEREBY GIVEN That sealed proposals will be received by the Board of Supervisors of the County of Tehama, State of California, **until Tuesday, March 14, 1922, at 10 A. M.,** for installing a heating plant in the new Tehama County courthouse building, according to plans and specifications adopted by the Board of Supervisors under date of May 20, 1920, now on file in the office of the County Clerk to which bidders are hereby referred.

The Board of Supervisors hereby reserve the right to reject any and all bids.

Dated this 15th day of February, 1922.

H. O. KUHN,
Clerk of Board of Supervisors.

BIDS WANTED FOR NEW BOILERS AND CHANGES IN MECHANICAL EQUIPMENT IN COLD STORAGE PLANT

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C. February 13, 1922—SEALED PROPOSALS will be opened in the office of the Superintendent of Construction, U. S. Veterans Hospital, Whipple Barracks, Prescott, Arizona, at 1 P. M., March 23, 1922, and in the office of the Supervising Architect, Treasury Department, Washington, D. C., at 3 P. M., March 23, 1922, for the installation complete of two new boilers and mechanical changes in the Cold Storage and Ice Plant Building, at the United States Veterans Hospital No. 50, at Whipple Barracks, Prescott, Arizona, in accordance with the drawing and specification, copies of which may be had at this office, or at the office of the Superintendent of Construction, at the U. S. Veterans Hospital, Whipple Barracks, Prescott, Arizona, in the discretion of the Supervising Architect and Bidders may forward their bids to either place. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR LIGHTING FIXTURES

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Feb. 13, 1922—SEALED PROPOSALS will be opened in this office at 3 P. M., March 6, 1922, for furnishing and installing lighting fixtures in the U. S. Veterans Hospital No. 55, at Fort Bayard, N. Mex., in accordance with the drawings and specifications, copies of which may be had at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

NOTICE TO BIDDERS

(Reno, Nevada, Paving)

NOTICE IS HEREBY GIVEN That the City Council of the City of Reno, Nevada, invite and will receive sealed bids **up to 8 o'clock P. M., Monday, the 13th day of March, A. D., 1922,** at the office of City Clerk, for the paving of certain designated streets in the City of Reno, Nevada.

The work to be done consists of the following estimated quantities:

55,756 sq. yds. or more of three and one-half (3½") inch asphaltic concrete base with one and one-half inch (1½") bituminous wearing surface.

28,628 sq. yds. or more of two inch (2") bituminous wearing surface on existing rock macadam base.

Copies of the specifications may be obtained from Harry Chism, City Engineer, upon the deposit of five ($5.00) dollars; said money to be returned if the specifications are returned within five (5) days after the award of the contract.

Plats and plans may be seen and examined at the office of the City Clerk or the City Engineer.

Each bid must be accompanied by a check payable to the city of Reno, certified by a responsible bank, for an amount not less than ten (10 per cent) per cent of the aggregate of the bid.

For further information inquire in writing to the City Engineer.

The City Council reserves the right to reject any and all bids.

Dated at Reno, Nevada, this 15th day of February, A. D., 1922.

J. B. REESE,
City Clerk and Clerk of the City Council of the City of Reno.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

VISALIA, Tulare Co., Cal.—Edgar Noble, Visalia, at $1,763.25 awarded contract by the Supervisors to construct Kings River bridge improvement (No. 46) involving 26.58 cu. yds. Class A concrete in wing; 173.10 cu. yds. concrete in pavement and 400 cu. yds. excavation in pavement. County to furnish materials totaling $1,567.95. Other bidders: Frederickson & Shannen, Fresno, $2251; Frank C. Twaddle, Tulare, $2750; Pacific Constr. Co., San Francisco, $2,967.22; C. C. Gurdy, Porterville, $1,854.42; C. C. Gildersleeve, Fresno, $3,315.80. Laurence A. Moye, County Surveyor.

SAN BERNARDINO, Cal.—A river protection district will be formed on the east side of San Antonio wash in San Bernardino County to construct protection works in connection with flood control work along the wash in Los Angeles County.

SALINAS, Monterey Co., Cal.—County Surveyor Howard Cozzens is preparing specifications for bridge over Salinas river at Hilltown.

SANTA ROSA, Somona Co., Cal.—Until March 17, 12 noon, bids will be received by county supervisors for constructing reinforced concrete "Mark West Bridge;" estimated cost, $10,900, involving 200 cu. yds. class A concrete; 15½ tons reinforcing steel; 1720 lin. ft. concrete piles. R. Press Smith, county surveyor.

SANTA ROSA, Sonoma Co., Cal.—Until March 15, 12 noon, bids will be received by county supervisors for constructing steel bridge over Russian river at Guerneville; estimated cost, $115,500, involving 1545 cu. yds. Class A concrete; 78 tons reinforcing steel; 310 tons structural steel; 260 wood piles; 72 concrete piles. Concrete and reinforcing in piling not included in above quantities. R. Press Smith, county surveyor.

NEWPORT BEACH, Cal.—A bond issue of $25,000 to dredge anchorage basin near yacht club will be submitted at April election.

SAN BERNARDINO, Cal.—Until 7.30 P. M., Mar. 6, bids will be received by city council for construction of reinforced concrete culvert 8 ft. wide, 7 ft. high, 131.65 ft. long in B St. N of Third St. J. H. Osborn, city clerk.

NEWPORT BEACH, Cal.—Trustees have decided upon an election to vote on $46,000 bonds of which $25,000 will be for addtional dredging near the Newport Harbor Yacht Club house.

OAKLAND, Cal.—Ralph Beebe, Oakland harbor engineer, has prepared specifications for dredging a new channel from a point north of the S. P. pier on a direct line to deep water south of Goat Island, affording vessels a safe passage into the Key Route basin in the western waterfront area.

PHOENIX, Ariz.—Until 2 P. M., Mar. 15, bids will be received at the office of the State Engineer, Phoenix, for constructing a bridge at Granite Creek Crossing, Prescott-Jerome highway, Federal Aid Project No. 36. Bids are desired upon a concrete structure of 3 spans with a total length of 143 ft. Alternate bids may be submitted on a riveted steel truss span 138 ft. long.

Until 2 P. M., Mar. 8, bids will be received for constructing bridge across the Hassayampa River at Arlington, Maricopa County. The work will include two 90-ft. steel spans and about 1000 yds. excavation, 600 yds. concrete, etc. Plans may be obtained from Thos. Maddock, state engineer, upon payment of $5.

IRRIGATION PROJECTS

OROVILLE, Butte Co., Cal.—State Engineer W. F. McClure authorizes formation of Table Mountain and Thermalito Irrigation District in Butte County. A bond election will be held in May to finance construction of works.

PLACERVILLE, El Dorado Co., Cal.—Plans for financing the Weber creek storage project launched by the El Dorado Water Co. were formulated at a conference of representatives of that company and the El Dorado County Irrigation Committee. The committee agrees to turn over water rights it has obtained to the El Dorado Water Co., which in turn is to be dissolved and a new water concern, the El Dorado Water Corp., formed to handle the project. The new corporation would issue $200,000 of Series A bonds to finance the work. The Weber Creek project will furnish water for irrigation of 1800 additional acres in the fruit belt. J. A. Irving is President and Dr. O. P. Fitch, Secretary of the El Dorado Water Company.

TRACY, San Joaquin Co., Cal.—Plans for Engineer F. P. McCray, for irrigation of lands in the Banta-Carbona Irigation District, compising approximately 18,500 acres, have been approved by the California Bond Certification Commission and bonds of $696,000 will be issued to finance construction.

OROVILLE, Butte Co., Cal.—Directors of Honcut-Yuba Irrigation District announce acceptance of plans of Assistant State Engineer Brown, for diverting water from Yuba river. Steps will be taken to call an election to vote bonds to finance construction of storage and distributing system to provide the 31,000 acres of land in Butte and Yuba counties, with water.

LIGHTING SYSTEMS

SACRAMENTO, Cal.—Until March 2, 9 P. M., bids will be received by R. B. Carlton, city clerk, for fur. and del. 280 opal outer globes, 6-in. by 12-in. and 90 8-in. by 16-in. Forms for bidding may be had from clerk.

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MERCED, Merced Co., Cal.—C. E. Osborne, Turlock, at $53,132, awarded contract to install electroller system in residence and business district. Other bidders:

Valley Electric, Fresno	$58,300
T. M. Robinson, Fresno	61,932
H. C. Reid & Co., S. F.	58,950
E. F. Jensen, Merced	64,495
Globe Electric, S. F.	61,218
Southern Cal. Elec. Co., L. A.	60,000
C. W. Sparks, Los Angeles	64,275
Turner Co., S. F.	66,225
NePage McKenny, S. F.	61,980

MACHINERY

MODESTO, Stanislaus Co., Cal.—O'Brien & Gilleran, Hearst Bldg., San Francisco, awarded contract by the Pacific Tel. and Tel. Co., Modesto, to construct conduit system in this city. Approximate cost, $40,000.

RICHMOND, Contra Costa Co., Cal.—Engineering Department of the Standard Oil Co., is completing plans for 17 oil tanks, capacity of from 45,000 to 60,000 bbls. 30 feet high and 115 feet in diameter. Work will be done by the company.

FIREBAUGH, Fresno Co., Cal.—Miller & Lux, Merchants' Exchange Bldg., San Francisco, awarded contract by City Trustees for installing pumping plant. Bid: Furnishing and installing 1 400-gal. capacity pump, 30 HP electric motor and 30 HP gas engine, $2,608; laying 1,024 8-in. and 2,312 ft. 6-in. converse lock joint pipe, $6,065; excavating pit and trenching for 65 ft. of 7-in. suction pipe; concrete pump pit and pump house, $180. Total, $10,280. Fresno Sewer Co. only other bidder at $11,745.

PORTLAND, Ore.—Until March 15, 2 P. M., bids will be received by U. S. Forest Service for furnishing and delivering from one to twenty gasoline tractors of the track-laying type, of weights running from approximately 2-tons to five tons. **See call for bids under official proposal section in this issue.**

OAKLAND, Cal.—The Council has appropriated $246 to purchase ten rubber dredge sleeves for dredge pipe connections, and $6,000 for purchase of lumber and piling for Department of Public Works. Geo. Mattis, City Engineer.

SANTA ROSA, Sonoma Co., Cal.—Until March 13, 12 noon, bids will be received by supervisors for constructing asphalt heating plant at Santa Rosa; estimated cost, $7,500. R. Press Smith, county surveyor.

OAKLAND, Cal.—W. H. Heillman, secretary of the California Farm Bureau Elevator Corporation, announces that plans for the erection of from six to ten field elevators will be erected in the San Joaquin, Sacramento and Salinas Valleys. These elevators will handle the grain from the field and load it into the cars for shipment into the terminal in Oakland, where distribution by rail and water will be made.

FRESNO, Fresno Co., Cal.—Gamewell Fire Alarm and Telegraph Co. only bidder, at $13,448, awarded contract by council to furnish central fire alarm station equipment. Wm. Stranahan, city engineer.

OAKLAND, Cal.—Until March 20, 10 A. M., bids will be received by Geo. Gross, county clerk, for furnishing approximately 2477 lin ft. 6-ft. wire fabric fence for Foothill Boul. Specifications may be had from clerk.

RENO, Nevada—Until March 22, 12 M., bids will be received by E. H. Beemer, county clerk, for furnishing one six-horsepower high pressure vertical steel boiler and one 30"x86" steam disinfector, with fermaldehyde attachment. Specifications may be had from clerk at Reno.

RIVERSIDE, Cal.—A meter system for the municipal water works has been approved by the Board of Public Utilities. Meters will cost, $40,000, and installation about $24,000. Council is opposed to immediate installation of meters. Bids will be called for when council is ready to proceed.

SACRAMENTO, Cal.—American Cast Iron Pipe Co., Balboa Bldg., at $2,250, awarded contract by city council to furnish 3,000 ft. of 6-in. cast iron Class B water pipe. Albert Givan, city engineer.

CHICO, Butte Co., Cal.—Until March 7, 5 P. M., bids will be received by Ira Morrison, city clerk, for furnishing and delivering one 5-ton truck equipped with 1500 gallon sprinkler-flusher; double unit power.

OAKLAND, Cal.—Council appropriates $3,550 to purchase saturated paper insulated lead covered combination cable for use of Electrical Department. Eugene K. Sturgis, city clerk.

MARTINEZ, Contra Costa Co., Cal.—No bids received by city trustees for waterproofing city reservoir.

RAILROADS

SEATTLE, Wash.—A. H. Hogeland, Chief Engineer, Great Northern Railway Co., King Street Station, is preparing specifications for 9 miles of second track from Dean to Hillyard, estimated cost $180,000 and 2.7 miles from Spokane to Fort Wright, estimated cost, $55,000.

LOS ANGELES, Cal.—Until 10 A. M., Mar. 3, bids will be received by harbor commission, room 33, city hall, for switches, frogs and track equipment; Specification No. 358. Guy W. Wade, secretary.

CALIFORNIA—Stockholders of the Western Pacific Railroad Co., meeting in Wilmington, Del., vote funds to finance extension of the Western Pacific line from Vallejo to Woodland, Calif., in addition to other extensions. San Francisco offices of the company declare it is planned to complete the traffic circuit from Sacramento through Woodland, Vacaville, Napa and Vallejo.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

SACRAMENTO, Cal.—City Engineer Albert Givan completes specifications to improve alley between F and G, 27th and 28th streets, involving 6 lin. ft. 8-in. vitrified sewer pipe; 1 concrete catchbasin; 97.5 cu. yds. excavation; 2 cu. yds. fill; 6470 sq. ft. hydraulic concrete pavement.

Specifications completed to improve 28th street between V and Second Ave., involving 1068 lin. ft. combination concrete curb and gutter; 49 lin. ft. concrete gutter, 2 concrete manholes; reconstruct 1 manhole; 1 cast iron gutter drains; 205 ft. 6-in. and 850 ft. 8-in. vitrified pipe; 19 6-in and 2 6-in. wye branches; 615 cu. yds. excavation (grading); 44 ¾-in. water services, 4 cu yds filling (grading) and 30,634 sq ft asphaltic concrete pavement.

BANNING, Cal.—J. F. Knapp, Turlock, awarded contract at $51,000 for constructing 6-in. concrete pavement on Ramsey street and 5-in concrete pavement on San Gorgonio Ave. R. E. Garretson & Co., 1346 Fairfax Ave. Los Angeles, awarded contract at $32,000 for constructing reinforced concrete storm drain in Gilman Canyon. Paul E. Kressly, H. W. Hellman Bldg., Los Angeles, Engineer.

PASADENA, Los Angeles Co., Cal.—Work is being started by W. A. Taylor, 966 Elizabeth St., Pasadena, on a fixed fee basis on stadium in Arroyo Seco, N of Brookside Park on Tournament of Roses and city property, Pasadena, which has been leased for Pasadena Stadium Association, on a budget of $260,000. The work includes 175,000 to 200,000 cu. yds. excavation, 2 large and 20 small tunnels, 150 ft. each in length and cement box seats at base of slope. Balance of seats including bleachers will be of wood construction on fill. Part of lumber from old grandstand, with a seating capacity of 40,000 will be salvaged for this work. The sections to be completed this year will have a seating capacity of 50,000 to 55,000. The total capacity of the completed stadium will be 65,000, not including temporary section seating 10,000 which can be erected at open south end. The capcity can be increased in the future to 75,000 without modifying scheme. However, 65,000 will be the limit. Myron Hunt, 1107 Hibernian Bldg., Los Angeles, architect

FRESNO, Fresno Co., Cal.—City Engineer Wm. Stranahan completes specifications to improve Calaveras St., between H and Divisadero, involving 120,377 sq. ft. grading; 112,751 sq. ft. 3½-in. asphaltic concrete base with 1½-in. Warrenite top pavement; 7,282 sq. ft. gutters; 4,513 lin. ft. curbs; 208 lin. ft. 18-in. corrugated culvert and 4 manholes.

Specifications completed to improve Callisch street, between Tulare and Ventura, involving 134,780 sq. ft. grading; 82,270 sq. ft. 3½-in. asphaltic base with 1½-in. Warrenite top pavement; 9006 sq. ft. gutters; 3692 lin. ft. curbs; 20,288 sq. ft. sidewalks; 136 lin. ft. 12-in. and 124 lin. ft. 24-in. corrugated metal culverts; 6 manholes.

Specifications completed to improve North First St. between Belmont and Tulare, invilving 158,064 sq. ft. grading; 114,236 sq. ft. 3½-in. asphaltic base with 1½-in. asphalt top paving; 5610 sq. ft. gutters; 3540 lin. ft. curbs; 20,393 sq. ft. sidewalks; 403 lin. ft. 12-in. and 224 lin. ft. 18-in. culverts; 12 manholes.

FRESNO, Fresno Co., Cal.—California Street and Road Improvement Co., Bank of Italy Bldg., Fresno, at $16,282 awarded contract by the City Council to improve Terrace avenue, between Wilson and Wishon streets, involving 65,423 sq. ft. grading; 42,871 sq. ft. paving; 1415 lin. ft. curbs; 5334 sq. ft. gutters and 7075 sq. ft. sidewalks. Wm. Stranahan, City Engineer.

SANTA ROSA, Sonoma Co., Cal.—Until March 14, 12 noon, bids will be received by county supervisors for constructing Fitch-Mountain road, 2.6 miles, Section A, near Healdsburg; estimated cost, $9,650, involving 11,000 cu. yds. unclassified excavation. R. Press Smith, county surveyor.

SACRAMENTO, Cal.—Until March 2, 9 P. M., bids will be received by City Commission to improve alley between L and M, 8th and 9th streets, involving 2 concrete catchbasins; 12 lin. ft. 6-in. vitrified sewer pipe; reconstruct 1 concrete manhole; 143 cu. yds. excavation (grading) and 6400 sq. ft. asphaltic concrete pavement.

Separate bids, same date, to improve alley between Portola Way and Fifth avenue 27th to Franklin Blvd., involving 2 concrete catchbasins; 12 lin. ft. 6-in. vitrified sewer pipe; reconstruct 1 concrete manhole; 145 cu. yds. excavation (grading); 6400 sq. ft. asphaltic concrete pavement. Albert Givan, City Engineer.

SOUTH PASADENA, Cal.—Until 5 P. M., March 13, bids will be received by City Clerk B. V. Garwood for improving Spruce St., involving 1500 cu. yds. excavating, 77,600 sq ft. macadam pavement, 7500 sq. ft. concrete gutter; 3660 sq. ft. sidewalk, 740 ft. curb and 212 ft. 6-in. lateral sewers; 1911 Act. R. V. Dibbson, City Engeneer.

SANTA ROSA, Sonoma Co., Cal.—Until March 6, 12 noon, bids will be received by ocunty supervisors for constructing 1350 lin. ft. guard rail on Watertrough Hill, Sebastopol-Freestone highway; estimated cost, $800. R. Press Smith, county surveyor.

SANTA ROSA, Sonoma Co., Cal.—Until Harch 6, 12 noon, bids will be received by supervisors for constructing oil macadam Sebastopol-Cotati highway, Section B, 3.19 miles; estimated cost, $20,000, involving 6,000 cu. yds. excavation; 3,700 yds. crushed rock base and $3,600 sq. yds. asphaltic surfacing. R. Press Smith, county surveyor.

CHICO, Butte Co., Cal.—Thos. H. Polk, 511 2nd St., Chico, at $2,768.47 awarded contract by the City Trustees to construct 1,956 ft. 6-in. sanitary sewer. Other bidders: Geo. C. DeGloyer, Oakland, $3,463.88. Thomas F. Geary, Oakland, $3,424.90. F. S. Robinson, City Engineer.

SAN FRANCISCO—Until March 1, 3 P. M., bids will be received by Board of Public Works, for improving:

Hanover St. between Guttenburg and Lowell, including crossing of Lowell, involving 3973 cu. yds. cut; 160 cu. yds. fill; 1340 lin. ft. concrete curbs; 660 sq. ft. artificial stone sidewalks; 2 brick catchbasins; 45 lin. ft. 10-in. vitrified culvert; 21,579 sq. ft. asphaltic concrete pavement.

Eliza Place from Folsom southerly, involving 1450 sq. ft. concrete pave. with wheel guards and 210 sq. ft. concrete pavement without wheel guards.

For constructing Third St. sewer outlets: reinforced concrete; estimated cost, $4,750.

For improving Balboa St. between 23rd and 24th Aves., involving 5215 cu. yds. cut; 480 lin. ft. concrete curbs; 220 lin. ft. 8-in. vitrified side sewers; 5 8-in. wye branches; 2 brick manholes; 2880 sq. ft. artificial stone sidewalks; 3360 sq. ft. vertical fiber brick pavement and 8640 sq. ft. asphaltic concrete pavement. M. M. O'Shaughnessy, city engineer.

PALO ALTO, Santa Clara Co., Cal.—Until March 1, 8 P. M., bids will be received by Frank Kasson, city clerk, for improving High St. between Channing and Addison Aves., by grading and paving with 4-in. concrete, where not already. J. F. Byxbee, Jr., city engineer.

ALTURAS, Modoc Co., Cal.—Until March 7, 10 A. M., bids will be received by Modoc County Highway Commission, T. A. Walls, secretary, for grading and culverts on Fort Bidwell unit of Fandango Highway, 3.41 miles, involving: (1) clearing right of way; (2) constructing grade 12-ft. wide and furnishing and installing drainage structures, involving 9850 cu. yds. unclassified excavation; (3) construction of grade 16-ft. wide and furnishing and installing drainage structures, involving 16,585 cu. yds. excavation; (4) for furnishing materials and installing guard rails. Specifications may be had from secretary.

OAKLAND, Cal.—Geo. Mattis, city engineer, has tendered his resignation to the city council, effective March 1.

FAIRFIELD, Solano Co., Cal.—Until March 6, 11 A. M., bids will be received by supervisors for paving 1¼ miles of highway connecting with Vallejo-Napa road. Bids will be taken for both asphaltic concrete or macadam. F. A. Steiger, county surveyor.

STOCKTON, San Joaquin Co., Cal.—City Engineer W. B. Hogan, completes specifications to improve East Main St. between A and E, and A, B, C, D and E Sts between Main and Market, involving 1,880 cu. yds. cut; 428 cu. yds. fill, 7,272.44 lin. ft. curb and gutter; 3,911.66 sq ft sidewalks; 25,639.95 sq. ft. 4-in. cement gravel base with 2-in. asphaltic surface; estimated cost, $35,842

EL MONTE, Cal.—City Trustees declare intention to improve Main St. from curb to existing pavement with 6-in concrete paving, including curbs and walks, Esmeralda Ave., Monte Vista St., First St., El Monte Ave., Railway St., Depot St., Mountain View Ave., Granada Ave., Alleys and Kauffman Sts., with 5-in concrete paving, curbs and walks, 1911 Act. H. B. Moore, city clerk

SAN FRANCISCO—Until March 1, 3 P. M., bids will be received by Board of Public Works for constructing 3800 sq. ft. artificial stone sidewalks in Winfield Ave. between Virginia and Esmeralda. M. M. O'Shaughnessy, city engineer.

SAN JOSE, Santa Clara Co., Cal.—Until Feb. 27, 5 P. M., bids will be received by John J. Lynch, city clerk, to improve George St. between First and San Pedro, by regrading and paving with 3-in. asphaltic concrete base with 1½-in. asphaltic concrete surface; concrete curbs and gutters. Wm. Popp, city engineer.

STOCKTON, Cal.—City Engineer W. B. Hogan, completes specifications to improve East Main, A, B, C, D and E streets in Fair Oaks Track, Eastern addition to city of Stockton, involving 1188 cu. yds. cut; 428 cu. yds. fill; 2272.44 lin. ft. curb and gutter; 33,911.66 sq. ft. sidewalks; 125,636.95 sq. ft. pavement with 4-in. cementing gravel base with 2-in. asphaltic macadam wearing surface.

BAKERSFIELD, Kern Co., Cal.—Until March 6, 5 P. M., bids will be received by V. Van Riper, city clerk, for constructing sewers in District 46, involving 3,514 lin. ft. 8-in. and 885 lin. ft. 6-in. vitrified pipe; 12 concrete manholes; 1 lamphole; estimated cost, $13,700. W. D. Clarke, city engineer.

OROVILLE, Butte Co., Cal.—J. A. Huntington, Oroville, who was awarded contract to grade 6.47 miles of Cohasset-Richardson Springs road at $10,755, has sub-let the contract to Arthur Hodson of Chico. H. H. Hume, county road engineer.

LONG BEACH, Cal.—City Manager Hewes, submits to council tentative plan for a water system for northwest section of city. He estimates cost of well, pumping plant and pipe line at $50,000, and cost of distributing system at $250,000.

BAKERSFIELD, Kern Co., Cal.—City Engineer W. D. Clarke, completes specifications to improve Kentucky St. between Baker and Gage, involving 91,670 sq. ft. 3½-in. asphaltic concrete base with 1½-in. Warrenite top, pavement; 6194 sq. ft. concrete gutter; 324 lin. ft. cement concrete culverts covered with corugated iron; estimated cost, $27,000.

Specifications completed to improve alleys in District No. 435, involving 21,360 sq. ft. 5-in. concrete pavement.

SACRAMENTO, Cal.—City Engineer Albert Givan, completes specifications to improve Bret Hart Court between 36th St. and Sacramento Boul., involving 1049 lin. ft. concrete curb and gutter; 355 lin. ft. 8-in. vitrified sewer pipe; 5 6-in. wye branches; 50 lin. ft. 6-in. vitrified sewer pipe; 1 concrete manhole; 23 ¾-in. water services; 281 cu. yds. excavation; 10,500 sq. ft. asphaltic concrete pavement.

Specifications completed to improve 48th St. between J and Folsom Boul., involving 4011 lin. ft. concrete curb and gutter; 31 lin. ft. concrete curb; 10 cast iron gutter drains; 3 concrete manholes; reconstructing 4 concrete manholes; 1270 lin. ft. 6-in. vitrified sewer pipe; 56 ¾-in. water services; 755 cu. yds. excavation; 82 cu. yds. fill; 2971 sq. ft. asphaltic concrete pavement.

Specifications completed to improve alley between J, K, 21st and 22nd Sts., involving 2 concrete catchbasins; 2 lin. ft. 6-in. vitrified sewer pipe; reconstructing 1 concrete manhole; 115.6 cu. yds. excavation; 6460 sq. ft. hydraulic concrete pavement.

Specifications completed to improve 40th St between H and E Sts., involving 1990 lin. ft. concrete curb and gutter; 490 lin. ft. concrete gutter; 2 concrete manholes; 4 cast iron gutter drains; 130 lin. ft. 8-in. and 1170 lin. ft. 6-in. vitrified sewer pipe; 38 ¾-in. water services; reconstructing 3 concrete manholes; 505 cu. yds. excavation; 84.5 cu. yds. fill; 7435 sq. ft. asphaltic concrete pavement.

VENICE, Cal.—City Trustees decide to submit bond issue for sewage disposal; to vote on two propositions, one for $260,000 and the other for $200,000.

SAN JOSE, Santa Clara Co., Cal.—City Engineer Wm. Popp, completes specifications to construct concrete curbs, gutters and sidewalks in Santa Clara St. between 28th and King Road.

FILLMORE, Cal.—The Trustees are arranging a street paving program for this spring. Edw. M. Lynch, Central Bldg., Los Angeles, is consulting city engineer.

GLENDALE, Cal.—City Trustees decide to pave both sides of Brand Blvd., a distance of four or five blocks between Colorado Blvd. and old Tropico city limits at Tenth St. with either Willite or asphaltic or concrete base. Also to start proceedings for paving Central Ave. between Broadway and San Fernando Road, a distance of over a mile, this street having now only a narrow strip of macadam down the center.

OROVILLE, Butte Co., Cal.—Until March 8, 1.30 P. M., bids will be received by county supervisors for following stretches of county highway system:

1—Grading roadway and laying 182,000 sq. ft. asphalt concrete pavement in 2 courses on Chico-Butte City Road; Sec. B, Rt. 11, 2.3 miles.

2—Grading roadway and laying 245,000 sq. ft. of asphalt concrete pavement in 2 courses on Chico-Butte city road, Sec. C, Rt. 11, 3.1 miles.

3—Grading roadway and laying 690,000 sq. ft. asphalt concrete pavement in 2 courses on Oroville-Marysville road, Sec. D, Rt. 26, 8.81 miles.

4—Grading roadway and laying 243,000 sq. ft. asphalt concrete pavement in 2 courses on Oroville-Gridley road, Sec. B, Rt. 2, 3.07 miles long.

H. H. Hume, county road engineer.

LAGUNA BEACH, Cal.—B. R. Ford of Santa Ana, awarded contract for laying 23,245 sq. ft. paving in the widening of Forrest Ave.

BAKERSFIELD, Kern Co., Cal.—Until Mar. 6, 5 P. M., bids will be received by council to improve Sumner St. between Beale and Haley; estimated cost, $21,800, involving 118,824.15 sq. ft. grading; 82,328.40 sq. ft. 4-in. asphaltic concrete base with 1½-in. Warrenite top; 140 lin. ft. cement concrete culverts. W. D. Clarke, city engineer.

MODESTO, Stanislaus Co., Cal.—Until March 14, 10 A. M., bids will be received by C. C. Eastin, Jr., county clerk, for constructing 1701.7 ft. of cement concrete highway, 15 ft. wide, 4-in. thick, beginning at South end of Knights Ferry bridge and running southeast to intersection of Eng. Stat. 610 plus 65.4 of C. H. C. survey. J. H. Hoskins, county surveyor.

FAIRFIELD, Solano Co., Cal.—As previously reported bids will be received by supervisors March 6, 11 A. M., for paving 1¼ mile of portions of Napa road and Fleming Ave., near city of Vallejo; work consists of reshaping and paving with asphaltic or cement concrete pavement 5-in. thick, 18-ft. wide and about 7,000 lin. ft. long. Estimated cost, $30,000. F. A. Steiger, county surveyor.

OAKLAND, Cal.—It is unofficially reported that Mel Auerbach, assistant to City Engineer Geo. Mattis, will be made city engineer when the resignation of Mattis becomes effective Mar. 1.

ORLAND, Glenn Co., Cal.—Petitions seeking the paving of 28 blocks of streets have been presented to the City Trustees. The approximate cost of the work is placed at $150,000.

SAN JOSE, Santa Clara Co., Cal.—Until March 6, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to improve Mamline Ave., in Supervisors Districts 3 and 4; and Murphy Ave. in District 3. Irving Ryder, county surveyor.

BISHOP, Inyo Co., Cal.—City Engineer B. E. Sherwin, preparing specifications for 6-in. reinforced concrete pavement in Main St., and portions of East Line St., approximately 1½ mile in all.

OAKLAND, Cal.—Standard Industrial Engineering Corp., 550 Montgomery St., San Francisco, at $58,900 awarded contract by the Supervisors (subject to approval of Southern Pacific Co.), to construct Carroll overhead crossing. Other bidders:

Padgett & Kelly, Eureka	$60,318
R. W. Littlefield, Oakland	60,750
J. E. McDonald	64,465
Hart Constr. Co., Gerber	64,565
Jenkins & Elton, Sacramento	65,275
Bay Constr. Co., Oakland	67,730
Bordwell & Zimmerman, Napa	67,910
John G. Liebert, San Rafael	68,946
Cowden-Broderick Co., S. F.	69,160
Chas. Harlowe Jr., S. F.	72,780
H. C. Vensano, S. F.	72,951
Pacific Constr. Co., S. F.	73,015
West Coast Constr. Co., S. F.	75,975
C. A. Bruce & Sons, Pleasanton	84,400
Clinton Constr. Co., S. F.	84,900
Rocca & Calleti, San Rafael	85,000
C. H. & A. W. Gorrill, Oakland	99,450

ANTIOCH, Contra Costa Co., Cal.—Town Trustees, J. E. McElheney, Clerk, declares intention to improve portions of K, 5th and 6th streets by grading, concrete curbs and gutters and paving with 4-in. cement concrete laid in one course; corrugated iron culverts. Improvement Act 1911. Protests March 13.

YUMA, Ariz.—Architect J. Griffin and John A. Donovan, ranchers of the Yuma and Gila valleys, have been awarded a contract at about $26,000 for constructing approximately 10 miles of the Bankhead highway west of Wellton.

STOCKTON, San Joaquin Co., Cal.—J. E. Johnson, Stockton Savings and Loan Bldg., Stockton, at $18,706, only bidder, to improve streets in Sweitzer Addition, involving 3,106 cu. yds. cut; 486 cu. yds. fill; 3,473 ft. curb and gutter; 16,168 sq. ft. sidewalk and 53,368 sq. ft. pavement, 4-in. cementing gravel base, 2-in. asphaltic macadam surface.

Clark & Henery Co., 38 S Sutter St., Stockton, at $14,457, only bidder, to improve portions of Commerce St., involving removal of 2,779.7 sq. ft. basalt paving blocks and wasting of 638 cu. yds. excess yardage; relaying 5,511 sq. ft. basalt paving blocks; 18,258 sq. ft. asphaltic concrete paving, 4-in. thick on blocks and 38,317 sq. ft. 6-in. asphaltic concrete pavement on subgrade. W. B. Hogan, city engineer.

SALINAS, Monterey Co., Cal.—Council declares intention to improve Harvest St. between South Main and California, including intersections; grading, constructing 4-in. cement concrete pavement; concrete curb and gutters; corrugated culverts. Imp. Act 1911 and Bond Act 1915. Donald F. Davies, city engineer.

PORTERVILLE, Talare Co., Cal.—Trustees petition to pave Third St. between Oak and Morton. City Engineer Fred Pease, preparing specifications for sidewalks in Olive Ave. to Date St., south of Porterville.

POMONA, Cal.—Until 2 P. M., Mar. 14, bids will be received by T. R. Trotter, city clerk, for the following street work:

For grading, 5-in. concrete paving with ⅜-in. asphaltum and rock screening surface, and constructing cement curbs in Bertie St. between Rebecca St. and Eleanor St.

For grading and paving with 5-in concrete base and ⅜-in. surface in Locust St. from 2nd to 3rd Sts.

For grading and paving with 5-in concrete base ⅜-in. surface in Thomas St. between 3rd St. and 5th Ave., and portions of several other streets.

For same work in Elm St. between 2nd and 3rd Sts.

For grading and paving with 5-in. concree base and ⅜-in. surface, and constructing cement curbs in Main St. from U. P. Ry. tracks to Holt Ave., and in Gordon St. from 2nd St. to Holt Ave.

YERINGTON, Nevada—City Council plans to pave Main street; approximate cost, $50,000; city to pay $13,000.

SAN BERNARDINO, Cal.—Until 7.30 P. M., March 6, bids will be received by city clerk for constructing 5-in. concrete pavement, 20 ft. wide and 300 ft. in length, in I St. from 1200 to 1500 ft. north of Hill St., together with 300 ft. of concrete retaining wall 2 ft. high, 320 ft. of concrete retaining wall 5 ft. high. J. H. Osborn, city clerk.

DINUBA, Tulare Co., Cal.—Trustees declare intention to construct concrete curbs, gutters and sidewalks in portions of Nicholas and Alto Aves., and Alta and El Monte Ways. C. T. Reagan city clerk.

VISALIA, Tulare Co., Cal.—The city trustees have adopted a resolution of intention to improve the alley between Main and Acequia Sts., from Locust St. to Floral St. with 5-in. concrete pavement.

RED BLUFF, Tehama Co., Cal.—Trustees decide to pave portions of Main, Walnut and Oak streets with concrete and not asphaltic paving as at first proposed. W. F. Luning, city engineer.

WATSONVILLE, Santa Cruz Co., Cal.—Trustees declare intention to improve Ford St., from Walker to city limits; portions of Rodriguez and Locust from Second to Wall; Wall southwest from Walker to the city limits; Ford from Walker to Main; Palm Ave., from Sudden to Jefferson; Fifth from Sudden to Lincoln; Alexander, Carr and Lincoln from Third to Lake; Union from Elm to Third; Peck and Maple from Union to Main. H. B. Kitchen, city engineer.

ALHAMBRA, Cal.—Engineering Service Co., Washington Bldg., is preparing plans for subdividing 562 acres of the Emery estate, near Alhambra, for Meyering & Lawrence, 510 W 6th St. The work will involve the moving of 360,000 yds. of earth in grading, 24 miles of 5-ft. sidewalks, 22.5 miles of curb and gutter, 12 miles of gas mains, 12 miles of 1-in. water mains, and 5.5 miles of 60-ft. paved streets.

PLACERVILLE, El Dorado Co., Cal.—Placerville Merchants' Association endorse routing of Mother Lode highway between Placerville and Plymouth via Aukum and the Shenandoah valley. Association also endorsed proposed Canyon Creek road in Georgetown district.

PRESCOTT, Ariz.—Faucett & Williams awarded contract at $30,309 for constructing Sec. 2, Kirland to Yava, of Prescott to Wickenburg highway, 13 miles.

PRESCOTT, Ariz.—Rogers Bros. & Willis awarded contract at $47,908 for constructing Sec. C, Black Canyon to Camp Verde, of Cottonwood to Camp Verde highway, 13 miles.

PASADENA, Cal.—City directors declare intention to lay 4-in. class B cast iron water main in N Madison Ave. from Penn St. to 150 ft. north of Atchison St.

RICHMOND, Contra Costa Co., Cal.—Council declares intention to improve McEnryde and Lincoln Aves. between 23rd and 29th, and 24th, 26th and 28th Sts. between Andrade Boul., and alley between Lincoln and Wendell Aves., by grading, paving with 2-in. quarry dust and 1-course asphaltic concrete pavement 4-in. thick, concrete curbs, gutters and sidewalks, corrugated iron or steel and concrete culverts, 6-in. sewers, brick and cement manholes. Improvement Act 1911. Protests Mar. 13. H. D. Chapman, city engineer.

LOS ANGELES, Cal.—Shepherd & Weiler submit low bid for work at Mormon Island sewage pumping plant at $3200 for inflow sewer, $1650 for overflow sewer and $7500 for collection sewer.

SACRAMENTO, Cal.—City Engineer Albert Givan completes specifications to construct 893 lin. ft. 24-in. sewer and 2 concrete manholes in alley between Front and 2nd, S and U Sts.

STOCKTON, San Joaquin Co., Cal.—Until March 7, 10.30 A. M., bids will be received by council to construct lateral sewers with wye branches, house branches, manholes with and without automatic flushers in Yosemite St. between Church and Washington, Sonora and Church Sts. between San Jose and Stockton Sts. Improvement Act 1911. W. B. Hogan, city engineer.

LODI, San Joaquin Co., Cal.—City Engineer L. F. Barzellotti, preparing specifications to improve portion of Tokay street, involving 27,575 sq. ft. 2½-in. asphaltic concrete base with 1½-in. Warrenite surface; 39,328 sq. ft. grading; 6,336 lin. ft. curbs; 7,760 sq. ft. gutters.

Improve portions of Sacramento St., involving 9,682.25 sq. ft. 2½-in. asphaltic concrete base with 1½-in. Warrenite surface; 5,124.75 sq. ft. grading; 3,110 lin. ft. curbs; 3,887.50 sq. ft. gutters.

Improve portions of Oak St., involving 9,876 sq. ft. 2½-in. asphaltic concrete base with 1½-in. Warrenite surface; 4,209 sq. ft. grading; 2,448 lin. ft. curbs; 3,060 sq. ft. gutters.

SACRAMENTO, Cal.—Until March 2, 9 P. M., bids will be received by City Commission, to improve alley between I and J, 5th to 6th Sts., involving 200 cu. yds. excavation; 600 lin. ft. concrete gutter; 16 lin. ft. vitrified sewer; reconstruct 3 concrete manholes; 2 cast iron gutter drains; 4,600 sq. ft. 6-in. hydraulic concrete base; 4,600 sq. ft. 2-in. sand cushion and placing 4,600 sq. ft. paving blocks, to be furnished by city. Albert Givan, city engineer.

SAN JUAN, San Benito Co., Cal.—Thos. F. Geary, 519 25th St., Oakland, at $19,700, awarded contract by trustees to construct sewer system, involving 4,650 ft. 10-in., 875 ft. 8-in. and 8,760 ft. 6-in. vitrified pipe; manholes, flushtanks, Imhoff tank, sludge bed, pumping plant, etc. Other bidders: T. E. Clinch, $21,872; Chambers and DeGoyler, $22,430; E. H. Martin, $21,372; H. C. Vensano $26,450; W. T. Schmidt, $23,190; E. P. McCray, town engineer.

REDWOOD CITY, San Mateo Co., Cal.—County Surveyor Geo. Kneese, completing specifications to reconstruct coastside highway between Santa Cruz county line and Pigeon Point. Work will consist of scarifying and reshaping road for its full width and rocking and oiling where required.

BAKERSFIELD, Kern Co., Cal.—Until March 13, 10.30 A. M., bids will be received by F. E. Smith, county clerk, for improving portion of County Road No. 501.

STATE WATER COMMMISSION

CALIFORNIA. — Applications filed with the State Department of Public Works, Division of Water Rights, Cal. Bldg., San Francisco, during the month of January, follow:

Application No. 2712 (Trinity Co.) T. M. Gibson, 1813 Clinton Avenue, Alameda, Cal., 50 sec. ft. per sec. from Canyon Creek, Trinity County, tributary of Trinity River, for mining purposes. Diversion by means of ditch, flume and pipe line 8 miles long. Estimated cost $30,000.

Application No. 2713 (Contra Costa Co.) Town of Antioch, Cal., 1 cu. ft. per sec. from Sand Creek, Contra Costa County, tributary of San Joaquin River, through Marsh Creek and Dutch Slough, for municipal purposes. Diversion by means of pipe line to reservoir ¾ mile. Estimated cost $53,000.

Application No. 2720 (Placer Co.) Fred P. Tuttle, Jr., Auburn, Cal., 600 cu. ft. per sec. from North Fork American River, Placer County, tributary of American River, for power purposes. Amount of power to be developed 200,000 t. h. p. Diversion by canals and tunnels 15 miles long. Est. cost $650,000.

Application No. 2725 (Placer Co.) Victor T. Mathews, Lincoln, Placer County, Cal., 75 cu. ft. per sec. direct diversion and 400,000 acre ft. per annum storage from North Fork of American River, Placer County, tributary of Sacramento River, for power purposes in mining industry.

Application No. 2726 (Ventura Co.) Leeds A. Bernard, Los Angeles, Cal., 22,000 ac. ft. per annum storage from Matillja Creek, Ventura County, tributary of Ventura River, for irrigation of about 8000 acres. Diver by pipe line about 30 miles long. Est. cost $175,000.

Application No. 2729 (Ventura Co.) Clyde A. Stewart, Ojai, Cal., 15000 acre ft. per annum storage from North Fork Ventura River, Ventura County, for domestic use and irrigation district to be formed later.

Application No. 2730 (Kern Co.) Barclay McCowan, Trustee, Bakersfield, Cal., 1000 cu. ft. per sec. direct diversion and 1,000,000 acre ft. per annum storage from Kern River, Kern County, for power purposes. Amount for power to be developed 500,000 t. h. p. Diversion by canals 35 miles long.

Application No. 2732 (San Benito Co.) C. A. Tusch, 2211 Union St., Berkeley, Cal., 450,000 ac. ft. per annum storage from San Benito River, tributary of Pajaro River, and from Tres Pinos Creek, tributary of San Benito River, for irrigation of 100,000 acres.

Application No. 2734 (Placer Co.) Fred P. Tuttle, Jr., Auburn, Cal., 100,000 ac. ft. per annum storage from North Fork of American River, Placer County, tributary of American River, for irrigation of 50,000 acres. Diversion by means of canal 30 miles long.

Application No. 2736 (Inyo Co.) Hillsdale Water Company, Riverside, Cal., 15 cu. ft. per sec. from Bishop, Inyo County, Cal., tributary of Owens River, for irrigation of 745 acres. Diversion by means of 2 ditches 3½ and 2 miles long.

Application No. 2738 (Inyo Co.) Hillsdale Water Company, Riverside, Cal., 2000 acre feet per annum storage from Green Lake Creek, Inyo County, tributary of Bishop Creek, Inyo County for irrigation of 745 acres. Diversion by pipe line. Est. cost, $20,000.

Application No 2739 (Inyo Co.) Hillsdale Water Co., Riverside, Cal., 710 ac. ft. per annum storage from Green Lake Creek tributary of Bishop Creek, for irrigation of 745 acres.

Application No. 2740 (Plumas and Sierra Counties). H. L. Berkey, Scales, Cal., 90,000 acre ft. per annum storage from Slate Creek, Plumas and Sierra Counties, tributary of Yuba River, for power purposes. Amount of power to be developed 36,000 t. h. p. Diversion by pipe line and canal. Est. cost, $2,500,000.

Application No 2741 (Yuba Co.). H. L. Berkey, Scales, Cal., 250 cu. ft. per sec. direct diversion and 65,000 acre feet storage from Dry Creek (per annum) and from Yuba River, Yuba County tributary of Feather River, for irrigation of 25,000 acres. Diversion by canal. Est. cost, $600,000.

Permits

Permits to appropriate water granted by Department, as follows:

(Placer Co.) Permit No. 923. F. H. Newcomb, Newcastle, Cal., 1.00 cu. ft. per sec. from Auburn Ravine, Placer County, for irrigation of 80 acres. Diversion of pipe line 525 ft. Est. cost, $1,000.

(Trinity Co.) Permit No. 925. Wm. H. Gray, Burnt Ranch, Cal., .50 cu. ft. per sec. from Gray's Creek, (Fill Creek) Trinity County, for irrigation of 40 acres. Diversion by means of flume 4000 ft. long.

(Siskiyou Co.) Permit No. 926. James Barnett, L. J. Murphy and C. W. Murphy, of Dunsmuir, Cal. and Weed, Cal., 3.00 cu. ft. per sec. from Little Soda Creek, Siskiyou County, tributary of Sacramento River, for mining purposes. Diversion by ditch 1900 ft. long. Est. cost, $1,400.

(Fresno Co.) Permit No. 927. Frank E. Steward, Los Angeles, Cal., .75 cu. ft. per sec. from Achegoin Creek, Fresno County, for irrigation of 60 acres. Diversion by ditch ½ mile long.

(Inyo Co.) Permit No. 930. J. M. Reynolds, Bishop, Cal., 1.00 cu. ft. per sec. from an unknown spring in Inyo County, for irrigation of 160 acres. Diversion by means of ditch. Est. cost, $1,000.

(Butte Co.) Permit No. 931 Edwin W. Ehmann, Oroville, Cal., 3.47 cu. ft. per sec. from main ditch of Drainage District No. 100, Butte County, for irrigation of 277½ acres. Diversion by ditch 1.45 mile long. Est. cost, $2,000.

(Mono Co.) Permit No. 933. C. F. Wildasinn, Bishop, Cal., 1 cu. ft. per sec. from drainage water from Mammoth Mining Tunnel, Mono County, for irrigation of 640 acres. Diversion by pipe line. Est. cost, $8,275.

(Imperial Co.) Permit No. 934. W. W. Patch, Division Engineer, California Highway Commission, Dept. of Engineering, for and in behalf of the applicant, The State of California, Los Angeles, Cal., .25 cu. ft. per sec. from San Filipe Creek, Imperial County, for conducting, maintaining and irrigating the State Highway in Imperial County. Diversion by pipe line 18 miles long. Est. cost, $10,000.

(Merced Co.) Permit No. 940. State Department of Public Works, Division of Land Settlement, Berkeley, Cal., 1.61 cu. ft. per sec. from Merced River, Merced County, for irrigation of 128.7 aces. Diversion by pipe line 1 mile long. Est. cost, $5,500.

(Riverside Co.) Permit No. 941. W. J. Hole, Arlington Station, Riverside County, Cal., 2.00 cu. ft. per sec. from Santa Ana River, Riverside County, for irrigation of 459 acres. Diversion by pipe line ⅝ mile long. Est. cost, $20,000.

(Riveside Co.) Permit No. 942. W. J. Hole, Arlington Station Cal., 2.00 cu. ft. per sec. from Santa Ana River, Riverside County, for irrigation of 440 acres. Diversion by pipe line ¼ mile long. Est. cost, $15,000.

(Riverside Co.) Permit No. 943. W. J. Hole, Arlington Station, Cal., 0.05 cu. ft. per sec. from Santa Ana River, Riverside County, for irrigation of 459 acres. Diversion by pipe line ⅝ mile long. Est. cost, $20,000.

(Riverside Co.) Permit No. 944. W. J. Hole, Arlington Station, Cal., 0.05 cu. ft. per sec from Santa Ana River, Riverside County, for irrigation of 440 acres. Diversion by pipe line ¼ mile long. Est. cost, $15,000.

(Inyo Co.) Permit No. 946. Warren W. Myers, 252 N Dillion St., Los Angeles, Cal., .05 cu. ft. per sec. from Thompson Canyon Spring and Jack Gunn Spring, together with all feed waters for mining purposes. Diversion by pipe line 2.5 miles long.

(Trinity Co.) Permit No. 949. D. B. Fields and Christian Mekel, Weaverville, Cal., 3.00 cu. ft. per sec. from West Weaver Creek, Trinity County, tributary of Trinity River, for mining purposes. Diversion by pipe line about 2000 ft. long. Est. cost, $1,500.

(Humboldt Co.) Permit No. 957. Walter E. Shore, Limestairs, Cal., 0.12 cu. ft. per sec. from a spring having no name in Humboldt County, tributary of South Fork of Trinity River, for irrigation of 10 acres. Diversion by ditch 800 ft. long.

(Mendocino Co.) Permit No. 958. Mrs. Angie A. Emerson, Box 232, Uklah, Cal., 0.04 cu. ft. per sec. from West Branch of Russian River, Mendocino County, tributary of Russian River, for irrigation of 4 acres. Diversion by pipe line 626 ft. long. Est. cost, $500.

(Tuolumne Co.) Permit No. 960. G. W. Price, Sonora, Cal., 3.31 cu. ft. per sec. from Dry Creek (North Fork) Tuolumne County, tributary of Tuolumne River, for irrigation of 265 acres. Diversion by ditch 1.13 mile long. Est. oost, $2,000.

(San Joaquin Co.) Permit No. 964. J. P. Vinet, Ripon, Cal., 6.67 cu. ft. per sec. from Lone Tree Creek, San Joaquin County, tributary of San Joaquin River, for irrigation of 533.33 acres. Diversion by means of canal 2 miles long. Est. cost, $5,000.

(Modoc Co.) Permit No. 971. D. B. & J. M. Kane, Canby, Cal., 1200 acre ft. per annum storage from Howard Gulch, Drainage Area, Modoc County, for irrigation of 487 acres. Diversion by means of ditch 1.17 mile long. Est. cost, $8,000.

(Alpine Co.) Permit No. 973. Richard Heimsoth, Woodfords, Cal., 1.87 cu. ft. per sec. from West Fork of Carsen River, Alpine County, tributary of Carson River, for irrigation of 150 acres. Diversion by ditch 2½ miles long. Est. cost, $1,000.

(Alpine Co.) Permit No. 974. Fres Bruns, Jr., Fredericksburg (P. O. Gardnerville, Nevada), Cal., 3.94 cu. ft. per sec. from West Fork of Carson River, Alpine County, tributary to Carson River, for irrigation of 315.30 acres. Diversion by means of ditch 3¼ miles long. Est. cost, $1,500.

(Yuba Co.) Permit No. 975. Morris Ward, Challenge, Cal., 2.00 cu. ft. per sec. from Burnt Bridge Creek, Yuba County, for mining purposes. Diversion by ditch 1½ mile long. Est. cost, $2,000.

(San Bernardino Co.) Permit No. 976. John E. Crookes, Lucerne Valley, Cal., .12 cu. ft. per sec. from underground developed water in San Benardino County, for irrigation of 10 acres. Diversion by pipe line or flume 3000 ft. long. Est. cost, $1,000.

BUSINESS OPPORTUNITIES

Ralph G. Kann, Theater Building, Santa Cruz, Cal., desires to get in touch with manufacturers of solar heating systems.

A. A. Douglas, Smith, Nev., is in the market for a solid rugger tired automobile trailer.

STOCKTON BUILDERS WILL FORM EXCHANGE

Immediate formation of a Builders' Exchange in Stockton is proposed. At a recent meeting John T. Lewis was elected temporary president and Frank A. Kent, secretary pro tem. The organization committee elected consists of J. W. Pearce, chairman; J. F. Shepherd, E. H. Grogan, F. C. Marks, W. A. Murphy, F. P. Sexton, W. F. O'Keeffe, Glenn Allen and John T. Lewis.

Speakers who gave informative talks on the organization of an exchange were John L. Clymer, business manager of the Builders' Exchange of San Francisco, Newton D. Rutherford, Stockton Attorney and J. W. Pearce.

IDAHO STATE WILL PHOTOGRAPH ROAD AND BRIDGE PROJECTS

Announcement is made from the office of D. P. Olsen, state director of Idaho highways, that a photographic record of all highway work done in the state will be kept by the department. A special folder is being prepared for each respective piece of road work in the state. Each picture is numbered and has a title, giving a description of the work shown. Difficult pieces of construction offering a problem for the engineer in the field are shown in the various stages. Bridges in course of construction are shown to give the state office an idea of the progress being made on certain structures. The system also serves as a check on contractors as to the speed with which the work is being done, all the pictures being dated.

LOS ANGELES CEMENT CONTRACTORS' CODE OF PRACTICE

The drift to higher ideals has been a notable feature of the construction business during recent years. A code of practice adopted by the Cement Contractors' Association of Los Angeles is the latest outcome of this movement. It was drafted by the committee on ethics and standards, composed of Jas. N. Pattillo, chairman, W. A. Clark and F. T. Eby. Following is the code

1. To consider my vocation worthy, and as giving me a distinct opportunity to serve the public.

2. To increase my efficiency, and to elevate the standard of my work to a high, ethical plane.

3. To stand firmly for fair and honest dealings with the public, and condemn without reserve any unfair or dishonest practices.

4. To do all work in strict accordance with the spirit and letter of the standard quality specifications of the Cement Contractors' Association, and to absolutely refuse to estimate, install or be connected with, any work not in conformity with these specifications.

5. To have the placing of the Association brand upon every job of work installed by me constitute a valid guarantee that the work has been properly done.

6. To employ the most skilled workmen available, and to adequately compensate them according to their individual ability.

7. To purchase and use only the highest quality of building materials the markets afford.

8. To meet my obligations in accordance with the established and accepted credit methods.

9. To be always more concerned in the quality of the work produced by me, than in any possible profit therefrom.

10. To be ever mindful of my responsibility to this Association when impressing its seal upon my work. Southwest Builder.

MELBOURNE PLANNING BIG POWER PROJECT

The Victorian (Australia) government is about to issue a loan of £2,000,000, it is understood, for the purpose of obtaining funds to finance the Morwell electricity scheme. The total cost of this project for producing electric power from brown coal, or lights, at Morwell, Victoria, and transmitting it about 90 miles to Melbourne, is estimated at £15,000,000. Mush of the equipment for the scheme has already been ordered in America

DAILY PACIFIC BUILDER

The only daily newspaper in the West whose columns are devoted exclusively to Building News. Covers San Francisco and Bay Counties. $1.25 per month, payable in advance. Send for sample copy.

560 MISSION STREET SAN FRANCISCO, CAL.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

$2,500 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
647	Wahlheim	McIntosh	18000
649	Curtiss	Unit	11000
651	Jaenicke	Owner	9000
652	Klevesahl	Owner	3000
656	Mitchell	Hanna	3000
658	Holbrook	Lindgren	5750
659	Mosconi	Meyer	11670
660	Sale	Meyer	5600
661	Thompson	Meyer	9000
662	Sherer	Williams	2500
663	Nelson	Owner	4000
664	Thornton	Owner	10000
666	Hemminga	Meinberger	9250
667	Dickson	Schell	8700
668	Wahlheim	Crescent	690
669	Same	McIntosh	10470
670	Same	Carroll	1546
671	Same	Scott	2428
672	Same	Rundberg	1100
673	Rouda	Monihan	6565
674	Same	Fennell	12932
675	Same	American	3093
676	Same	Withington	2540
677	Same	Gilley	2835
678	Cohn	Fennell	12995
679	Same	Withington	2540
680	Same	Monihan	6565
681	Same	Gilley	2835
682	Same	American	3093
687	Papa	Filippis	8000
689	Smyth	Owner	7400
690	Mohler	Owner	7600
691	Skelly	Meyer	12100
692	Real Estate	Wagner	24970
693	Lachman	Vannucci	13248
694	Bergner	Owner	5000
697	Anderson	Owner	7500
702	Beede	Vodden	9000
703	Great Western	Barrett	18000
704	Kincanon	Owner	38000
705	Green	Green	3000
706	Shriners	——	200000
707	Farrell	Adler	5900
708	Holbrook	Lindgren	5750
709	Stoff	Owner	75000
710	Griffith	Nelson	14000
711	Michelson	Owner	12000
713	Lalb	Carlson	3650
714	Boud	Depew	7000
715	Peterson	Owner	27000
717	Orpheum	Owner	3500
719	Morris	Owner	8000
720	Morris	Owner	4000
721	Same	Same	4000
722	Miraglia	Cuneo	3400
723	Walter	Collman	2900
724	Bode	Person	2850
726	Haase	Monson	16000
727	Klevesahl	Owner	3000
731	Dunn	Owner	20000
732	Conly	Hamill	7000
733	Franusich	Prasicki	6000
734	Pac. T. & T.	Matthies	10000
735	Peters	Owner	5500
736	Thrift	Fratessa	5350
737	R C Archb	Dyer	32936
738	Papa	Filippis	8000
739	Milonas	Binet	8100

PERMITS

APARTMENTS

(647) S DIVISADERO 130 E Duboce. Three-story and basement frame (5) apartments.
Owner—Geo. Wahlheim, 751 Page St., San Francisco.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.
Contractor—McIntosh Bros., 180 Jessie St., San Francisco. $18,000

DWELLING

(649) SE MONTEREY AND SAN Benito Way. One-story and basemento frame dwelling.
Owner—Dr. F. W. Curtiss.
Architect—None.
Contractor—Unit Constr. Co., 431 Phelan Bldg., San Francisco. $11,000

FLATS

(651) W SEVENTEENTH AVE 150 N Fulton. Two-story and basement frame (2) flats.
Owner—Mrs. M. Jaenicke, 373 Russ Bldg., San Francisco.
Architect—Arthur T. Ehrenpfort, 373 Russ Bldg., San Francisco.
Day's work. $9000

UNDERPIN, ETC.

(652) W SHOTWELL 50 S Nineteenth Underpinning, foundation and concrete floor for flats (add 4 rooms).
Owner—M. E. Klevesahl, 1222 Treat Ave., San Francisco.
Architect—None.
Day's work. $3000

DWELLING

(656) NW PERSIA 50 S London. One-story and basement frame dwelling.
Owner—Michael Mitchell, 427 Munich St., San Francisco.
Architect—None.
Contractor—Frank Hanna, 599 Moscow St., San Francisco. $3000

ALTERATIONS

(658) SE BEALE AND MARKET. Remove and rebuild brick wall; excavation, carpentry, mill work, roofing, plastering, etc.
Owner—Henry M. Holbrook, 58 Sutter St., San Francisco.
Architect — Nathaniel Blaisdell, 255 California St., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco. $5750

RECORDED

FRAME FLATS

(659) SW GEARY AND TWENTY-second Ave' W 26-8xS 100. All work for three-story frame flats and store.
Owner—J. Mosconi and Louis Ferrera.
Architect — Milton W. Morrison, 716 41st Ave., San Francisco.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.
Filed Feb. 17, '22. Dated Feb. 3, '22.
Rough frame up.....$2917
Rough plastered and roof on.. 2917
Completed and accepted..... 2917
Usual 35 days..... 2919
TOTAL COST, $11,670
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING

(660) E TWENTY-THIRD AVE 175 S Cabrillo. All work for eight-room dwelling.
Owner—W. H. Sale, 381 25th Ave., San Francisco.
Architect—None.
Contractor — Meyer Bros., 5326 Geary St., San Francisco.
Filed Feb. 17, '22. Dated Jan. 19, '22.
Frame up $1400
Brown coated 1400
Completed and accepted..... 1400
Usual 35 days..... 1400
TOTAL COST, $5600
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

FRAME FLATS

(661) W SIXTEENTH AVE 100 S Cabrillo. All work for two-story frame flats.
Owner—Nathaniel Thompson, 20th Ave. and Geary St., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.
Filed Feb. 17, '22. Dated Feb. 3, '22.
Frame up $2250
Brown coated 2250
Completed 2250
Usual 35 days..... 2250
TOTAL COST, $9,000
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

PERMITS

DWELLING

(662) NE Moss 175 S Howard. One-story and basement frame dwelling.
Owner—W. E. Sherer, 647A Minna St., San Francisco.
Architect—None.
Contractor—B. W. Williams, 793 Ingerson Ave., San Francisco. $2500

RESIDENCE

(663) E MADRONE 75 N Ulloa. One-story and basement frame residence.
Owner—F. Nelson & Sons, 2 West Portal Park, San Francisco.
Architect—None.
Day's work. $4000

FLATS

(664) W NINETEENTH AVE. 125 N Fulton. Two-story and basement frame (2) flats.
Owner—Mr. and Mrs. Thornton.
Architect—E. A. Neumarkel, 544 Market St., San Francisco.
Day's work. $10,000

FLATS

(666) E TWENTIETH AVE. 375 N Fulton. Two-story and basement frame (2) flats.
Owners—Annie and Harvey Cummings, 2788 Harrison St., San Francisco.
Architect—None.
Contractor—H. S. Meinberger, 5720 California St., San Francisco. $9250

RESIDENCE

(667) LOT 6 BLK. 3 ST. FRANCIS Wood. All work for a two-story and basement frame residence and separate garage.
Owner—Dr. Ernest C. Dickson, 2304 Divisadero St., San Francisco.
Architect—Jno. K. Branner, 251 Kearny St., San Francisco.
Contractor—Samuel Schell, 180 Jessie St., San Francisco.
Filed Feb. 18, '22. Dated Feb. 10, '22
Rough frame and roof rafters on $2175
Electric wiring and plastering done and standing trim in place 2175
Completed and accepted..... 2175
Usual 35 days..... 2175
TOTAL COST, $8,700
Bond, $4350. Sureties, O. B. Drewsike and Wm. A. Rainey. Limit, 90 days. Forfeit, $2 day. Plans and specifications filed.

APARTMENTS

(668) SE DUBOCE AVE AND DIVISADERO S 130 to pt of beg S 34 E 88.28 N 34 W 88.23 N 34. Electrical work for five apartment frame structure

Owner—George Wahlheim, 751 Page St., San Francisco.
Architect—Sidney B. & Noble Newsom, Nevada Bank Bldg., San Francisco.
Contractor—Crescent Electric Co., 289 8th St., San Francisco.
Filed Feb. 18, '22. Dated Feb. 15, '22.
Roughed in and ready for plaster $345.00
Completed 172.50
Usual 35 days..... 172.50
TOTAL COST, $690.00
Bond, none. Limit, without delay. Forfeit, $5. Plans and specifications filed.

(669) EXCEPT PLUMBING, ELECtric work, painting, plastering, electric fixtures, beds, hardwood floors, floor and wall tiling, and fire escapes on above.
Contractor—McIntosh Bros., 180 Jessie St., San Francisco.
Filed Feb. 18, '22. Dated Feb. 14, '22.
Frame up $2617.50
Interior and exterior brown coated 2617.50
Completed 2617.50
Usual 25 days..... 2617.50
TOTAL COST, $10,470.00
Bond,$5235. Sureties, Theo. De Pass and J. J. McLeod. Limit, without delay. Forfeit, $5. Plans and specifications filed.

(670) LATHING AND PLASTERING on above.
Contractor — Thos. Carroll, 180 Jessie St., San Francisco.
Filed Feb. 18, '22. Dated Feb. 14, '22.
Int. and ext. brown coated...$773.00
Completed 386.50
Usual 35 days..... 386.50
TOTAL COST, $1546.00
Bond, none. Limit, without delay. Forfeit, $5. Plans and specifications filed.

(671) PLUMBING, SEWERING AND gas fitting on above.
Contractor—Scott Co., 243 Minna St., San Francisco.
Filed Feb. 18, '22. Dated Feb. 15, '22.
Roughed in, tubes set, ready to plaster $1214
Completed 607
Usual 35 days..... 607
TOTAL COST, $2423
Bond, none. Limit, without delay. Forfeit, $5. Plans and specifications filed.

(672) PAINTING AND DECORATING on above.
Contractor—Rundberg & Whitman.
Filed Feb. 18, '22. Dated Feb. 14, '22.
Half completed $412.50
Completed 412.50
Usual 35 days..... 275.00
TOTAL COST, $1100.00
Bond, none. Limit, without delay. Forfeit, $5. Plans and specifications filed.

PLUMBING
(673) S GEARY 186-3 W Leavenworth W 48-9xS 137-6. Plumbing work for Class C brick apartments.
Owner—S. Rouda, 40 Powell St., San Francisco.
Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.
Contractor—Monihan & Slavin, 1554 Fulton St., San Francisco.
Filed Feb. 18, '22. Dated Jan. 28, '22.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $6565
Bond, $3282.50. Surety, Fidelity & Deposit Co. of Maryland. Limit, without delay. Forfeit, $20. Plans and specifications filed.

(674) MASON WORK ON ABOVE.
Contractor — Fennell & Chisholm, 180 Jessie St., San Francisco.
Filed Feb. 18, '22. Dated Jan. 18, '22.
Payments same as above.....
TOTAL COST, $12,932
Bond, $6466. Sureties, D. J. Sullivan and H. C. Matthies. Limit, without delay. Forfeit, $20. Plans and specifications filed.

(675) ELECTRIC WIRING ON ABOVE
Contractor—American Elec. Eng. Co., 1723 Polk St., San Francisco.
Filed Feb. 18, '22. Dated Jan. 28, '22.
Payments same as above.....
TOTAL COST, $3093.35
Bond. $——. Surety, Union Indemnity Co. of New Orleans. Limit, without delay. Forfeit, $20. Plans and specifications filed.

(676) FIRE ESCAPES AND ORNAmental iron work on above.
Contractor—C. W. Withington, 780 Brannan St., San Francisco.
Filed Feb. 18, '22. Dated Jan. 28, '22.
Payments same as above.....
TOTAL COST, $2540
Bond, $1270. Surety, Fidelity & Deposit Co. of Maryland. Limit, without delay. Forfeit, $20. Plans and specifications filed.

(677) HEATING ON ABOVE.
Contractor — Gilley Schmid Co., 198 Otis St., San Francisco.
Filed Feb. 18, '22. Dated Jan. 28, '22.
Payments same as above.....
TOTAL COST, $2835
Bond, $1417.50. Surety, U. S. Fidelity & Guaranty Co. Limit, as soon as possible. Forfeit, $20. Plans and specifications filed

APARTMENTS
(678) S GEARY 137-6 W Leavenworth W 48-9xS 137-6. Mason work for Class C apartment building.
Owner—M. Cohn, 1036 Golden Gate Ave., San Francisco.
Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.
Contractor — Fennell & Chisholm, 180 Jessie St., San Francisco.
Filed Feb. 18, '22. Dated Jan. 18, '22.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $12,995
Bond, $6497.50. Sureties, D. J. Sullivan and H. C. Matthies. Limit, as fast as required. Forfeit, $20. Plans and specifications filed.

(679) FIRE ESCAPES AND ORNAmental iron work on above.
Contractor—C. W. Withington, 780 Brannan St., San Francisco.
Filed Feb. 18, '22. Dated Jan. 28, '22.
Payments same as above.....
TOTAL COST, $2540
Bond, none. Limit, as fast as required. Forfeit, $20. Plans and specifications filed.

(680) PLUMBING ON ABOVE.
Contractor—Monihan & Slavin, 1554 Fulton St., San Francisco.
Filed Feb. 18, '22. Dated Jan. 28, '22.
Payments same as above.....
TOTAL COST, $6565
Bond, none. Limit, as required. Forfeit, $20. Plans and specifications filed.

(681) HEATING ON ABOVE.
Contractor — Gilley Schmid Co., 198 Otis St., San Francisco.
Filed Feb. 18, '22. Dated Jan. 28, '22.
Payments same as above.....
TOTAL COST, $2835
Bond, none. Limit, as fast as required. Forfeit, $20. Plans and specifications filed.

(682) ELECTRICAL WIRING ON above.
Contractor—American Elec. Eng. Co., 1723 Polk St., San Francisco.
Filed Feb. 18, '22. Dated Jan. 28, '22.
Payments same as above.....
TOTAL COST, $3093.35
Bond, $1547. Sureties, Howard J. White and Theo. S. Hoin. Limit, without delay. Forfeit, none. Plans and specifications filed.

FRAME FLATS
(687) S PACIFIC 137 W Jones. Two-story and basement frame (2) flats.
Owner—A. Papa, 1237 Pacific Ave., San Francisco.
Architect—None.
Contractor—V. Filippis, 1527 Powell St., San Francisco. $8000

FRAME FLATS
(689) E SEVENTEENTH AVE 270-1 S California. Two-story and basement frame (2) flats.
Owner—John Smyth and wife, 1706 Anza St., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Day's work. $7400

DWELLINGS
(690) W TWENTY-SECOND AVE 225 and 250 N Balboa. Two one-story and basement frame dwellings.
Owner — T. E. Mohler, 593 21st Ave., San Francisco.
Architect—None.
Day's work. $3800 each

RECORDED

RESIDENCES
(691) NE THIRTY-SIXTH AVE AND Fulton. All work for two 5-room residence and one 4-room residence
Owner—Skelly Estate Co.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.
Filed Feb. 20, '22. Dated Feb. 9, '22.
Frame up $3025
Brown coated 3025
Completed 3025
Usual 35 days..... 3025
TOTAL COST, $12,100
Bond none. Limit, 90 days. Forfeit, plans and specifications, none.

FACTORY
(692) SW SIXTEENTH AND CONnecticut W 200 S 200 E 100 N 100 E 100 N 100. All work for one-story frame industrial building (factory)
Owner — Real Estate & Development Co., Hearst Bldg., San Francisco.
Architect—None.
Contractor—Geo. Wagner, 251 Kearny St., San Francisco.
Filed Feb. 20, '22. Dated Jan. 11, '22.
Payments to be made of actual cost of labor and material as work progresses .....
Usual 35 days, 10% of total cost...
TOTAL COST, $24,970
Bond, limit, forfeit, none. Plans and specifications filed.

WAREHOUSE
(693) W CAPP 125 N 17th 100x105 Excavation, concrete, reinforcing steel, carpenter and mill work for two-story Class C warehouse.
Owner—G. Lachman, Mission and 16th Sts., San Francisco.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—L. Vannucci, 16th and Church Sts., San Francisco.
Filed Feb. 20, '22. Dated Feb. 3, '22.
TOTAL COST, $13,248.50
Bond, none. Limit, 40 days. Forfeit, none. Plans and specifications filed.

JOOST BROTHERS
Builders' Hardware
Tools, Etc.
(Members Builders' Exchange)
1053 MARKET ST.
Phone Market 891 San Francisco

DWELLING
(694) W BELVEDERE 150 S Parnassus Ave. One-story and basement frame dwelling.
Owner — G. Bergner, 240 Montgomery St., San Francisco.
Plans by Owner.
Day's work. $5000

DWELLINGS
(697) N EXCELSIOR 75, 100 and 125 E Madrid. Three one-story and basement frame dwellings.
Owner—K. Anderson and T. Johnson, 133 Bertita Ave., San Francisco.
Architect—None.
Day's work. $2500 each

FRAME FLATS
(702) E SIXTEENTH AVE 300 S Anza. Two-story and basement frame (2) flats.
Owner—Stephen Beede, 546 16th Ave., San Francisco.
Designer—Walter G. Vodden, 760 Cole St., San Francisco.
Contractor—Walter G. Vodden, 760 Cole St., San Francisco. $9000

ADDITION
(703) N BUSH 68-9 W Grant Ave. Addition of one-story to power house.
Owner—Great Western Power Co., 14 Sansome St., San Francisco.
Architect—Willis Polk, Hobart Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $18,000

APARTMENTS
(704) S CLAY 100 E Polk. Three-story and basement frame (12) apartments.
Owner—Kincanon & Perego, 159 Sutter St., San Francisco.
Architect—None.
Day's work. $38,000

RESIDENCE
(705) W GRANADA 375 N Holloway. One-story and basement frame residence.
Owner—George S. Green, 2050 Bryant St., San Francisco.
Contractor — Bredlew Green, 2050 Bryant St., San Francisco. $3000

HOSPITAL
(706) NINETEENTH & TWENTIETH Aves, Lawton and Moraga Sts. Brick and concrete hospital.
Owner—Board of Trustees Shriner's Hospital for Crippled Children, 650 Geary St., San Francisco.
Architect—Weeks & Day, Phelan Bldg San Francisco.
$200,000

RESIDENCE
(767) W THIRD AVE 99-9 S Cabrillo Two-story and basement frame residence.
Owner—Wm. Farrell, 1548 Balboa St., San Francisco.
Architect—Earle B. Bertz, 168 Sutter St., San Francisco.
Contractor—K. Adler, 493 22nd Ave., San Francisco. $5900

RECORDED

ALTERATIONS
(708) E MARKET AND BEALE SE 138-3 x NE 137-6. Making deeper foundations on easterly wall of building.
Owner—Henry M Holbrook, 58 Sutter St., San Francisco.
Architect — Nathaniel Blaisdell, 255 California St., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.
Filed Feb. 21, '22. Dated Feb. 10, '22 Completed an daccepted.....$4313
Usual 35 days..... 1437
TOTAL COST, $5750
Bond, $2,875 Sureties, Alfred B. Swiverton and H. C. Park. Limit, 28 days. Forfeit, $1 00 day. Plans and specifications filed.

FRAME FLATS
W SIXTEENTH AVE 100 S Cabrillo. Two-story and basement frame (2) flats.
Owner—N. Thompson, 5600 Geary St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $8000

FRAME FLATS
SE GEARY AND SECOND AVE. Two-story and basement frame (4) flats.
Owner—I. Epp, 420 Second Ave., S. F.
Architect—None.
Contractor—Emil Nelson, 4835 Geary St., San Francisco. $16,000

DWELLING
NE FULTON AND THIRTY-SIXTH Ave. and E 36th Ave. 80 N Fulton and N Fulton 26-2 E 36th Ave. Three one-story & basement frame dwellings.
Owner—J. C. Skelly Estate, 1153 O'Farrell St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $4000 each

APARTMENTS
(709) S BUSH 130 E Leavenworth. Four-story and basement concrete (27) apartments.
Owner—Louis D. Stoff, 919 Sutter St., San Francisco.
Architect—Albert Schroepfer, Wells Fargo Nevada Bank Bldg., S. F.
Day's work. $75,000

FRAME FLATS
(710) NE CALIFORNIA AND THIRD Ave. Two-story and basement frame (4) flats.
Owner—Howard J. Griffith, 109 New Montgomery St., San Francisco.
Architect—None.
Contractor—N. J. Nelson, 1505 Balboa St., San Francisco. $14,000

FRAME FLATS
(711) SW CLEMENT AND TWENTY-second Ave. Two-story and basement frame (4) flats.
Owner—O. Michelsen, % Architect.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Day's work. $12,000

ALTERATIONS
(713) NO. 3103 CLAY. Alterations and additions to dwelling.
Owner—Olga Dierks Laib, 700 Broderick St., San Francisco.
Plans by Owner.
Contractor—Elmer Carlson, 180 Jessie St., San Francisco. $3650

APARTMENTS
(714) W CHURCH 101 S Army. Two-story & basement frame (4) apartments.
Owner—Martin H. Bond, 1466 Church St., San Francisco.
Architect—None.
Contractor — William H. Depew, 3710 Sacramento St., San Francisco. $7000

FACTORY
(715) NE FOLSOM AND DORE One-story Class C factory.
Owner—Carl H. Peterson, 216 Sharon Bldg., San Francisco.
Architect—Martin Sheldon, 110 Sutter St., San Francisco.
Day's work. $27,000

ELEVATOR
(716) NE GOLDEN GATE AVE AND Taylor. Install electric passenger elevator for theatre.
Owner—Junior Orpheum Co.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.
Contractor—Elevator Co. of America, Chicago, Ill. $3500

DWELLINGS
(719) W HAZELWOOD 35 and 75 S Monterey. Two one-story and basement frame dwellings.
Owner—G. W. Morris, 132 Judson Ave., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Day's work. $4000 each

DWELLING
(720) W HAZELWOOD 36 S Montecito One-story and basement frame dwelling.
Owner—G. W. Morris, 132 Judson Ave., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Day's work. $4000

DWELLING
(721) W HAZELWOOD 76 N Montecito. One-story and basement frame dwelling.
Owner—G. W. Morris, 132 Judson Ave., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Day's work. $4000

RESIDENCE
(722) N MOHAWK 90 W Mission. One-story and basement frame residence.
Owner—M. Miraglia, 5851 Mission St., San Francisco.
Architect—John P. Cuneo, 5097 Mission St., San Francisco.
Contractor—John P. Cuneo, 5097 Mission St., San Francisco. $3400

ALTERATIONS
(723) SW MARKET AND ECKER. Change store front; painting; install gas radiators, etc.
Owner—Walter Real Estate Co., Hearst Bldg., San Francisco.
Architect—Houghton Sawyer, Hearst Bldg., San Francisco.
Contractor—Collman and Speidel, 548 Monadnock Bldg., San Francisco. $2900

DWELLING
(724) E PARIS 100 N Geneva. One-story and basement frame dwelling
Owner—H. W. Bode, 2401 San Jose Ave, San Francisco.
Architect H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—M. Person, 217 Hartford St., San Francisco. $2850

RESIDENCE
(726) E SAN LEANDRO WAY between Portola and St. Francis Blvd. Two-story and basement frame residence.
Owner—Arnold Haase.
Architect—None.
Contractor—Monson Bros., 251 Kearny St., San Francisco. $10,000

ALTERATIONS
(727) W SHOTWELL 50 S 19th Underpin; foundation; concrete floor; add 4 rooms; fireproof garage, etc., for flats.
Owner—M. E. Klevesahl, 1222 Treat Ave., San Francisco.
Architect—None.
Day's work. $3000

GARAGE
(731) E VALENCIA 195 N 15th. Two-story reinforced concrete Class C garage.
Owner—Dunn & Williams, 26 Montgomery St., San Francisco.
Architect—Arthur S. Bugbee, 26 Montmery St., San Francisco.
Day's work. $20,000

RESIDENCE
(732) SW ELEVENTH AVE. and Balboa. Two-story and basement frame residence.
Owner—Clifford Conly, 82 6th Ave., San Francisco.

Architect—Milton Morrison, 715 41st Ave., San Francisco.
Contractor—Thos. Hamill, 707 42nd Ave., $7000

FLATS
(733) E NINETEENTH AVE. 100 S Cabrillo. Two-story and basement frame (2) flats.
Owner—John Lutich and John F. Franusich, 239 Clinton Park, San Francisco.
Architect—Theo. Lenzen, Irving near 18th Ave., San Francisco.
Contractor—Jan Plasicki, 1219 1st Ave, San Francisco. $6000

ALTERATIONS
(734) NW PINE AND STEINER. Install new steel stairs, brick, tile and plaster partitions, reinforced concrete floors, etc., for Telephone Exchange.
Owner—Pacific Telephone and Telegraph Co.
Plans by Engineering Department of Company.
Contractor — Matthies & Gale, 185 Stevenson St., San Francisco. $10,000

DWELLING
(735) E TWELFTH AVE. 225 S Balboa. Two-story and basement frame dwelling.
Owner—J. M. Pet[illegible], 1010 Balboa St., San Francisco.
Architect—None.
Day's work. $5500

RECORDED

STORE AND FLATS
(736) W SAN BRUNO AVE. 75 S Wayland S 25xW 95. All work for a two-story frame building (store and flats).
Owner—J. V. and Francis Thrift, 624 Girard St., San Francisco.
Architect—Jos. S. Fratessa.
Contractor — Jos. S. Fratessa, 896 Girard St., San Francisco.
Filed Feb. 23, '22. Dated Feb. 21, '22
Frame up and roof on.....$1000
Brown coated 1000
Trimming on 1000
Completed and accepted..... 1000
Usual 35 days..... 1350
TOTAL COST, $5,350
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

CHURCH
(737) N FILBERT 137-6 E Powell E 137-6xN 160. Structural steel work for St. Peter and Paul's church.
Owner—The Roman Catholic Archbishop, 1100 Franklin St., San Francisco.
Architect—Chas. Fantoni, 550 Montgomery St., San Francisco.
Contractor—Dyer Bros. Golden West Iron Works, 17th and Kansas Sts., San Francisco.
Filed Feb. 23, '22. Dated Feb. 17, '22
1st installment 15 days after starting $4117
On 15th of each month thereafter until 8 installments are paid 4117
Usual 35 days 25%
TOTAL COST, $32,936
Bond, $17,000. Surteies, R. W. Dyer and Geo. H. Dyer. Limit, 60 days. Forfeit, $25 day. Plans and specifications filed.

FRAME BLDG.
(738) S PACIFIC 137-6 W Jones W 22-6xS 137-6. All work for two-story and basement frame building
Owner—Antonio Papa, 1237 Pacific Ave. San Francisco.
Architect—V. Filippis, 1527 Powell St., San Francisco.
Contractor—V. Filippis, 1527 Powell St., San Francisco.
Filed Feb. 23, '22. Dated Feb. 15, '22.
Ready for roof.....$2000
Ready for plaster..... 2000
Completed and accepted..... 2000
Usual 35 days..... 2000
TOTAL COST, $5000
Bond, $4000. Sureties, Wm. Smith and R. Firmstone. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FLATS
(739) E SAN CARLOS AVE 51 S 19th 31x37-6. All work for a two-story and basement frame bldg. (flats).
Owner—Jno. K. Milonas, 18th and Mission St., San Francisco.
Architect—None.
Contractor—John J. Binet, 68 Ramona St., San Francisco.
Filed Feb. 23, '22. Dated Feb. 17, '22
Roof on $2025
Completed and accepted..... 2025
Usual 35 days..... 4050
TOTAL COST, $8100
Bond, none. Limit, 90 days after Feb. 25, 1922. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Feb. 23, 1922—NW MISSION 47 SW Ecker SW 475 NW 112-6. Richard J O'Brien to Kiernan & O'Brien.....Feb. 23, 1922

Feb. 23, 1922—E TWENTIETH AVE 175 S Geary S 25xE 120. Margaret Kirby to whom it may concern.....Feb. 23, 1922

Feb. 23, 1922—E TWENTY-FIFTH Ave 64-6 S Balboa 25x120. Jos Howard to whom it may concern.....Feb. 23, 1922

Feb. 23, 1922—E EUREKA 99-8 S 17th E 125 S 15-7¾ SW 126 N 32-9⅜. Adolph C Juel to whom it may concern.....Feb. 17, 1922

Feb. 23, 1922—NW MISSION 60-7½ SW New Montgomery SW 60 NW 80. Walter H. Sullivan to Barrett & Hilp.....Feb. 17, 1922

Feb. 23, 1922—S GEARY 3[illegible] E 16th Ave. G E Watson to whom it may concern.....Feb. 23, 1922

Feb. 20, 1922—W THIRTY-NINTH Ave 310 S Clement S 35xW 12[illegible]. Arthur Quinn and Barney Quinn to whom it may concern.Feb. 17, 1922

Feb. 21, 1922—W SAN BRUNO AVE 50-2½ N Ordway N 25xW 110 Martha H Baldwin to whom it may concern.....Feb. 20, 1922

Feb. 21, 1922—LOTS 21A, 22A, 28A & 35A Blk 2989 Metropolis Sub Claremont Court. Julius H Berghauser to Jas Arnott & Son....Feb. 21, 1922

Feb. 21, 1922—W SIXTH 35 N Harrison N 40xW 120. Chris Petersen (as C Petersen Co) to whom it may concern.....Feb. 21, 1922

Feb. 21, 1922—E POWELL 68-6 N Bush N 69xE 67-6. Edward Beck to Judson Mfg Co.....Feb. 21, 1922

Feb. 21, 1922—W STOCKTON 91-6 N Bush N 46x90. Lloyd B Ham to whom it may concern...Feb. 20, 1922

Feb. 21, 1922—W SEVENTH AVE 291 N Cabrillo N 28 W 120 S 30-10½ E 120 to beg. Thomas Hamill to whom it may concern..Feb. 21, 1922

Feb. 20, 1922—E TWENTY-SECOND Ave 275 S Anza S 25xE 120. Thos E Mohler to whom it may concern.....Feb. 20, 1922

Feb. 20, 1922—SW MONTGOMERY & Bush W 60xS 68-9. Crocker Estate Co to W F Fuller & Co.....Feb. 11, 1922

Feb. 20, 1922—E TWENTY-THIRD Ave 50 & 75 N Cabrillo. H Wissman to Theodore G and Rollin E Meyer.....Feb. 17, 1922

Feb. 20, 1922—NW CLEMENT AND Eighth Ave 29-9 on Clement and 78 on Eighth Ave. Erle J Osborne, Tr to Ed Joukand & Son.....Feb. 20, 1922

Feb. 20, 1922—NO. 15 PARK HILL Ave. John E Zeile to O E Carlson.....Feb. 20, 1922

Feb. 20, 1922—LOT 15 BLK 3135, Westwood Park. Harold L and Clara Heirs to Walter E Hansen.....Feb. 16, 1922

Feb. 20, 1922 — NW TWENTY-fourth and Howard. George Cumbermann to B Kessler..Feb. 15, 1922

Feb. 20, 1922—TWENTY-SIXTH AVE 125 S Anza S 25xE 120. Wm H Kopke to whom it may concern.....Feb. 15, 1922

Feb. 20, 1922—W THIRTY-NINTH Ave 310 S Clement S 35xW 120. Arthur and Barney Quinn to whom it may concern.....Feb. 18, 1922

Feb. 20, 1922—LOT 15 BLK 3137, Westwood Park. Walter E Hansen to whom it may concern.Feb. 16, 1922

Feb. 18, 1922—E THIRTY-SIXTH AV 100, 125, 150 & 175 N Geary. Peter McHugh to Theodore G and Rollin E Meyer.....Jan. 28, 1922

Feb. 18, 1922—E SIXTH AVE 175 N Judah 25x120. Samuel Schell to whom it may concern...Feb. 18, 1922

Feb. 18, 1922—E LYON 82-6 S Greenwich — 55 E 100 N 55 W 107. Axel E Johnson to whom it may concern.....Feb. 18 1922

Feb. 18, 1922—N MARKET — W McAllister No. 1116 Market St. Walter S Heller to Barrett & Hilp.....Feb. 17, 1922

Feb. 17, 1922—NE GEARY & FIFTH Ave 32-6 on Geary by 100. Jas Cantley to David Leigh.Feb. 17, 1922

Feb. 17, 1922—N FRANCISCO 125 W Franklin 50x137-6. N Gallucci to H C Amoroso.....Feb. 17, 1922

Feb. 16, 1922—E THIRTY-THIRD Ave 225 N Geary N 25xE 120. E H Greslat to Thos Moehler.....Feb. 13, 1922

Feb. 17, 1922—PTN LOTS 6 AND 7 Blk 2, 37½ ft. Forest Hill Addn. Chas E Reinhart to H C Lewis.....Feb. 17, 1922

Feb. 17, 1922—E TWENTY-EIGHTH Ave 90 S Balboa, 711-16-18 28th Ave. Geo W Wall to whom it may concern.....Feb. 16, 1922

Feb. 17, 1922—SE DOLORES AND Market NE 53-6 SE 90.11 m or l SW 100 NW 24 m or l. Associated Oil Co to Alfred H Vogt.....Feb. 8, 1922

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

Feb. 25, 1922—W WESTWOOD DRV N 20 from N line Lot 7 Blk 3174 S 15 NW 95 N 42.830 SE 95 Ptn Lots 6 and 7 Blk 3171, Westwood Park. Frederick Zahnd vs Louis A and Lucy Bauer $260

Feb. 18, 1922—S PACIFIC 68-9 E Larkin. I Grassi & Co vs H Dragon Co and John Spargo.....$270

Feb. 18, 1922—E TWENTY-NINTH Ave 200 S California. J E Higgins Lumber Co vs James J Brosnan, Wm O Snell (as San Francisco Hardwood Floor Co).....$51 20

Feb. 18, 1922—W SECOND AVE 300 S Anza. J E Higgins Lumber Co vs W H Price, Ethel F Price and Wm O Snell (as San Francisco Hardwood Floor Co).....$72.32

Feb. 17, 1922—S PACIFIC 68-9 E Larkin E 68-9xS 137-6. J E Back and Jas J Van Ness (as J E Back Co) vs Jno Spargo and H Dragon Co.....$412 30

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Feb. 21, 1922—NW MARKET 90-8½ SW Kearny SW 48-5⅛ NW 54-0¼ N 65-6½ E 40-0¼ S 38-2⅞ S 52-9½. English Investment Co as to improvements on property.....

Feb. 17, 1922—NE VIRGINIA AVE & Prospect Ave E 23-4xN 79-4. Western Loan Assn. as to improvements on property .....

BUILDING CONTRACTS

ALAMEDA COUNTY

$2,500 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
No.	**Owner**	**Contractor**	**Amt.**
681	Sparks	Owner	4000
682	McHaffe	Cushing	2500
683	Thompson	Squires	2500
685	Irish	Owner	4000
687	Legris	Owner	5000
689	Mackie	Vaughn	3000
690	Legris	Owner	9000
691	Same	Same	5000
692	Todd	MacGregor	25000
693	Public Health	Oakland	4344
694	Oakland	Schnebly	156000
697	Whitehouse	Silva	3650
699	Bain	Valleron	5800
700	McCoy	McCoy	3000
701	Robins	Weiben	27300
702	Brunkhorst	Flittner	9880
703	Marquis	Owner	3500
704	Mohr	Meracle	3000
705	Hozen	Carleton	12000
706	Scadden	Stanley	2950
711	Benson	Bensen	3500
712	Davis	Valleroy	5800
713	Morgensen	Owner	4000
715	Bercovich	Sommarstrom	6400
716	U. of C.	Pearson	10450
717	Brown	Baker	4005
718	Dewell	Catton	760
719	Dewell	Berkeley	96
720	Keeney	Cederborg	30000
721	Frentrup	Stolte	14250
724	Saroni	Pond	8500
725	Saroni	Pond	10200
727	Pierce	Owner	3200
729	Fossati	Owner	3500
730	Leone	Owens	3200
731	Hubber	Barr	2500
733	Boyle	Isaacs	3750
734	Cal.	Owner	2500
735	Hinch	Owner	3000
736	Meader	Owner	3000
738	Anderson	Owner	4000
739	Eveleth	Brennan	7000
741	Hazlett	Henderson	5900
744	Mirander	Silva	2500
745	Turrell	Stolte	3950
746	Obermiller	Thelle	2800
747	Noble	Owner	4000
748	Elks	Kochendorfer	13711
749	Boyle	Isaacs	3750
751	Smith	MacKerricker	2950
753	Houck	Owner	5000
754	City of Okd.	Thornalley	57525
756	Francis	Hewitt	2500
759	Baldwin	Valleroy	3600
760	Hillen	Owner	4000
761	Stall	Thorpe	3878
762	Swedish	Hillberg	20000
763	Platt	Allen	5000
765	Brown	Baker	4000
767	Marshall	Marshall	4000
768	Hinch	Owner	3000
769	Laudregan	Morse	4705

PERMITS

DWELLING
(681) NO. 1715 CAPISTRANO, Berkeley. One-story 5-room dwelling.
Owner—H. E. Sparks, 2325 Edwards St., Berkeley.
Architect—None.
Day's work. $4000

DWELLING
(682) NO. 1227 OXFORD ST., Berkeley. One-story 3-room dwelling.
Owner—Mrs. John McHaffie, 1223 Oxford St., Berkeley.
Architect—None.
Contractor—E. D. Cushing, 841 Madison St., Albany. $2500

DWELLING
(683) NO. 833 SHATTUCK AVE., Berkeley. One-story 6-room dwelling.
Owner—B. E. Thompson, 1508 Oxford St., Berkeley.
Architect—None.
Contractor—E. J. Squires, 2117 Rose St., Berkeley. $2500

DWELLING
(685) W FIFTY-FIFTH AVE 40 S El Camile, Oakland. One-story 5-room dwelling.
Owner—H. E. Irish.
Architect—None.
Day's work. $4000

DWELLING
(687) SW HAMPEL AND ELSTON, Oakland. One-story 6-room dwlg.
Owner—L. H. Legris, 1351 Hampel St., Oakland.
Architect—None.
Day's work. $5000

DWELLING
(689) S E-EIGHTEENTH 200 E 4th Ave., Oakland. Two-story 4-room dwelling.
Owner—Carl Mackie.
Architect—None.
Contractor—W. T. Vaughn, 381 51st St., Oakland. $3000

DWELLINGS
(690) S HAMPEL 75 and 125 E Woodruff, Oakland. Two one-story 6-room dwellings.
Owner—L. H. Legris, 1351 Hampel St., Oakland.
Architect—None.
Day's work. $4500 each

DWELLING
(691) SE HAMPEL AND WOODRUFF Ave., Oakland. One-story 6-room dwelling.
Owner—L. H. Legris, 1351 Hampel St., Oakland.
Architect—None.
Day's work. $5000

WAREHOUSE
(692) NW FIFTH AND CYPRESS, Oakland. One-story brick warehouse.
Owner—John L. and L. Z. Todd, 545 Poplar St., Oakland.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland. $25,000

RECORDED

FRAME BLDG.
(693) SW E-ELEVENTH & SECOND Ave., Oakland. Steam heating and ventilating for three-story frame building.
Owner—Public Health Center of Alameda County.
Architect — Construction Department, Oakland Board of Education.
Contractor — Scott Co., 381 11th St., Oakland.
Filed Feb. 16, '22. Dated Feb. 15, '22.
3rd of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $4344
Bonds, $2172 and $1086. Surety, New Amsterdam Casualty Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

SCHOOL
(694) EAST FOURTEENTH ST. AND 68th Ave., Oakland. Two-story brick school.
Owner—City of Oakland.
Architect—Construction Department.
Contractor—Schnebly & Hostrawser, 6th and Jackson Sts., Oakland. $156,000

DWELLING
(697) N EL CAMILE AVE. 105 W 52th Ave., Oakland. One-story 6-room dwelling.
Owner—Willard E. Whitehouse, 1531 7th Ave., Oakland.
Architect—None.
Contractor — Silva & Matheyer, 1569 Hopkins St., Oakland. $3650

DWELLINGS
(699) E LOMA VISTA 310 and 350 S Hopkins, Oakland. Two 1-story 4-room dwelling, Oakland.
Owner—R. B. Bain, 3320 E-14th St., Oakland.
Architect—None.
Contractor—H. L. Valleron, 3636 Maple Ave., Oakland. $2900 each

DWELLING
(700) E VIEW 200 N John, Oakland. One-story 5-room dwelling.
Owner—Chas. J. McCoy, 4314 View St., Oakland.
Architect—None.
Contractor—McCoy & Pach. $3000

APARTMENTS
(701) SW THIRTY-EIGHTH AND Telegraph Ave. W 130 S 50, Oakland. Two-story hollow tile and stucco apartments and garage.
Owner—Percy and R. M. Robins, 3125 High St., Oakland.
Architect—None.
Contractor — Alex C. Wieben, 3602 Fruitvale Ave., Oakland.
Filed Feb. 17, '22. Dated Feb. 17, '22
Rough plumbing in ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $27,300
Bond, $13,675. Surety, Globe Indemnity Co. Limit, 110 days. Forfeit, $10 day. Plans and specifications filed.

FLATS
(702) LOT 27 BLK. Q MAP No. 2 of subdivision of Port Central Oakland Tract E Telegraph Ave., Oakland. Two-story frame flats.
Owner—Henry C. and M. D. Brunkhorst, 432 29th St., San Francisco.
Architect—J. Watson Olver.
Contractor—Jos. Flittner, 1700 35th Ave., Oakland.
Filed Feb. 18, '22. Dated Feb. 16, '22
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $9,880
Bond, none. Limit, 90 days after Feb. 20th. Forfeit, $5 day. Plans and specifications filed.

DWELLING
(703) NO. 1023 MERCED AVE., Berkeley. One-story 6-room dwelling.
Owner—P. E. Marquis, 1023 Oxford St., Berkeley.
Architect—None.
Day's work. $3500

DWELLING
(704) NO. 1522 CALIFORNIA ST., Berkeley. One-story 5-room dwelling.
Owner—Rudolph Mohr & Sons, Pacific Bldg., San Francisco.
Architect—None.
Contractor—Meracle & Burney, 5105 Miles Ave., Oakland. $3000

DWELLINGS
(705) W AUSEON AVE 135, 175 and 215 N Birch, Oakland. Three 1-story 4-room dwellings.
Owner—L. Hazen, 1915 48th Ave., Oakland.
Architect—None.
Contractor—S. Carleton, 5432 Bond St., Oakland. $3000 each

DWELLING
(706) NE AUSEON AND PLYMOUTH Aves., Oakland. One-story 4-room dwelling.
Owner—Geo. Scadden, 1150 46th Ave., Oakland.
Architect—None.
Contractor—C. H. Stanley, 1507 50th Ave., Oakland. $2950

DWELLING
(711) SW LAGUNA AND HEARST, Oakland. One-story 6-room dwelling.

Owner—J. M. Benson, 2541 Hearst Ave, Oakland.
Architect—None.
Contractor—Martin Benson. $3500

DWELLINGS
(712) E LOMA VISTA AVE. 310 and 350 S Hopkins, Oakland. Two 1-story 4-room dwellings.
Owner—R. B. Davis, 3320 E-14th St., Oakland.
Architect—None.
Contractor—H. L. Velleroy, 3636 Maple Ave., Oakland. $2900 each

DWELLING
(713) SW MANILA AND BROADWAY, Oakland. One-story 6-room dwelling.
Owner—Morgensen Bros., 5664 Broadway, Oakland.
Architect—None.
Day's work. $4000

RECORDED

ADDITION
(715) W BROADWAY 100 S Second W 100xS 50, Oakland. All work except brick walls on S and W side of building for one-story brick addition to store.
Owner—Dora Bercovich, Oakland.
Architect — Fred D. Voorhees, 1829 West St., Oakland.
Contractor—M. F. Sommarstrom, 3145 Champion St., Oakland.
Filed Feb. 20, '22. Dated Feb. 17, '22.
Partitions set $2175
Plastered 960
Completed and accepted..... 1665
Usual 35 days..... 1600
TOTAL COST, $6400
Bond, $6400. Surety, Fidelity & Deposit Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

MOVE BLDG.
(716) UNIVERSITY OF CALIFORNIA, Berkeley. All work for moving East Hall.
Owner—Regents of University of California.
Architect — John Galen Howard, 1st National Bk. Bldg., San Francisco
Contractor—E. K. Pearson and A. B. Johnson (Pearson & Johnson), 2031 Bryant St., San Francisco.
Filed Feb. 20, '22. Dated Jan. 30, '22.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $10,450
Bond, $10,500. Surety, Fidelity & Deposit Co. Limit, 65 days. Forfeit, $50 a day. Specifications only filed.

DWELLING
(717) LOT 230 Map Fourth Avenue Extension, Oakland. All work for one-story 6-room dwelling.
Owner—F. J. Brown, Oakland.
Architect—None.
Contractor—William J. Baker, 2256 Ransome Ave., Oakland.
Filed Feb. 20, '22. Dated Feb. 17, '22.
Frame up $1000
Brown coated 1000
Completed and accepted..... 1000
Usual 35 days..... 1005
TOTAL COST, $4005
Bond, none. Limit, 75 days after Feb. 21, 1922. Forfeit, none. Plans and specifications filed

FRAME DWELLING
(718) LOT 28 BLK 10 Map Berkeley Heights, Berkeley. Plumbing for frame dwelling.
Owner—H. D. Dewell, 1416 Milvia St., Berkeley.
Architect—Joseph J. Rankin, 1st National Bank Bldg., San Francisco.
Contractor — Thos. R. Catton, 2327 Prince St., Berkeley.
Filed Feb. 20, '22. Dated Feb. 14, '22.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $760
Bond, limit, forfeit, none. Plans and specifications filed.

(719) ELECTRIC WORK ON ABOVE
Contractor — Berkeley Electrical Co., 2142 Center St., Berkeley.
Filed Feb. 20, '22. Dated Feb. —.
Payments same as above.....
TOTAL COST, $96
Bond, none. Limit, 6 days. Forfeit, none. Plans and specifications filed.

DWELLING
NE PERRY AND JEAN, Oakland. One-story 10-room dwelling.
Owner—A. Hosmer 941 Chestnut St., Oakland.
Architect—None.
Contractor—Geo. W. Anderson, 286 Perry St., Oakland. $17,622

DWELLING
(720) WILDWOOD AVE., Lot 150. Piedmont. Two-story 14-room frame dwelling.
Owner—Chas. C. Keeney, 38 Crocker Ave., Piedmont.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.
Contractor—A. Cederborg, 1445 E-37th St., Oakland. $30,000

APARTMENTS
(721) NO. 3111 ETON AVE., Berkeley. Two-story 16-room apartments.
Owner—L. Frentrup, 3115 Eton Ave., Berkeley.
Architect—None.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland. $14,250

DWELLING
(724) N CLARENDON CRESCENT 357 S Ashmount, Oakland. Two-story 7-room dwelling.
Owner—L. Saroni, 608 Howard St., San Francisco.
Architect—None.
Contractor—C. P. Pond, 1163 Ashmount Ave., Oakland. $8500

DWELLINGS
(725) E SIXTY-SIXTH AVE. 354, 380, 403 and 460 N E-14th St., Oakland. Four 1-story 5-room dwellings.
Owner—L. Saroni, 608 Howard St., San Francisco.
Architect—None.
Contractor—C. P. Pond. 1163 Ashmount Ave., Oakland. $2800 each

DWELLING
(727) W AUSEON AVE. 50 S Birch, Oakland. One-story 5-room dwelling.
Owner—Jim Pierce, 1351 Bay St., Alameda.
Architect—None.
Day's work. $3200

DWELLING
(729) S EXCELSIOR AVE. 110 W Capell, Oakland. One and one-half story 6-room dwelling.
Owner—D. Fossati, 442 Pacific Ave., Alameda.
Architect—None.
Day's work. $3500

DWELLING
(730) SW FIFTY-THIRD & SHATtuck Ave., Oakland. One-story 6-room dwelling.
Owner—C. Leone, 3239 Peralta St., Oakland.
Architect—None.
Contractor—W. W. Owens, 1209 Francisco St., Berkeley. $3200

DWELLING
(731) S HARMON AVE. 310 E 62nd Ave., Oakland. One-story 5-room dwelling.
Owner—C. E. Hubber, 1327 West St., Oakland.
Architect—None.
Contractor—Barr & Son, 306 26th St., Oakland. $2500

DWELLINGS
(733) W KINGSLAND 177 and 243 N Fleming Ave., Oakland. Two one-story 5-room dwellings.
Owner—Harry L. Boyle, 2320 Kingsland Ave., Oakland.
Architect—None.
Contractor—Harry W. Isaacs, 2800 Modesto Ave., Oakland. $3750

SHED, ETC.
(734) FOOT KIRKHAM ST., Oakland. Shed and boiler room.
Owner—California & Oregon Lumber Company.
Architect—None.
Day's work. $2500

DWELLING
(735) N NEVIL 110 W 38th Ave., Oakland. One-story 5-room dwelling.
Owner—Jos. T. Hinch, Federal Bldg., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(736) W SIXTY-FOURTH AVE 350 S Beck St., Oakland. One-story 5-room dwelling.
Owner—C. E. Meader, 433 14th St., Oakland.
Architect—None.
Day's work. $3000

ALTERATIONS
(737) NO. 624 SIXTY-SECOND AVE., Oakland. Alterations.
Owner—Mrs. Geo. W. Gates, Premises.
Architect—None.
Day's work. $1000

DWELLING
(738) E THIRTY-EIGHTH AVE 400 N Carrington, Oakland. One-story 5-room dwelling.
Owner—A. T. Anderson, 9302 Birch St., Oakland.
Architect—None.
Day's work. $4000

DWELLING
(739) NO. 860 ARLINGTON AVE., Berkeley. Two-story 7-room dwelling and garage.
Owner—W. S. Eveleth.
Architect—None.
Contractor—J. P. Brennan, 1519 Hearst Ave., Berkeley. $7000

DWELLING
(741) NO. 2029 SAN ANTONIO, Berkeley. One- story 6-room dwelling.
Owner—Margaret J. Hazlett, 1060 Bush St., San Francisco.
Architect—None.
Contractor—E. F. Henderson, 5744 Keith Ave., Oakland. $5900

DWELLING
(744) BAY FARM ISLAND, Alameda. One-story 5-room dwelling.
Owner—J. Mirander.
Architect—None.
Contractor — J. Silva, 1208 Lafayette St., Alameda. $2500

DWELLING
(745) NO. 1315 LINCOLN AVE., Alameda. One-story 5-room dwelling
Owner—H. N. Turrell, Langdon Apts., Oakland.
Architect—None.
Contractor—F. C. Stolte, 3455 Laguna Ave. Oakland. $3950

DWELLING
(746) NO. 3005 MADISON ST., Alameda. One-story 5-room dwlg
Owner—G. F. Obernuller, Premises.
Architect—None.
Contractor—F. J. Theile, 2905 Madison St., Alameda. $2800

DWELLING
(747) NO. 1001 PEARL ST., Alameda One-story 6-room dwelling.
Owner—Geo. H. Noble, 2203 Santa Clara Ave., Alameda.

Architect—None.
Day's work. $4000

RECREATION BLDG.
(748) S SANTA CLARA AVE., Alameda. One-story recreation building.
Owner—Elks Lodge.
Architect—None.
Contractor — L. F. Kochendorfer, 2204 Lincoln Ave., Alameda. $13,711

DWELLING
(749) E BEST 278 N Fleming, Oakland. One-story 5-room dwelling.
Owner—Harry L. Boyle, 2820 Kingsland Ave., Oakland.
Architect—None.
Contractor—Harry W. Isaacs, 2800 Modesto Ave., Oakland. $3750

DWELLING
(751) N DELAWARE 397 W Maple, Oakland. One-story 5-room dwlg.
Owner—Albert W. Smith, 3061 Blossom St., Oakland.
Architect—None.
Contractor—R. M. MacKerricker, 3449 Fruitvale Ave., Oakland. $2950

DWELLING
(753) E EDGEWOOD AVE 240 N Wellington, Oakland. One-story seven-room dwelling.
Owner—H. L. Houck, 4445 Evans Ave., Oakland.
Architect—None.
Day's work. $5000

HEALTH CENTER BLDG.
(754) S E-ELEVENTH 90 W Second Ave., Oakland. Three-story 40-room health center building.
Owner—City of Oakland.
Architect—C. W. Dickey, Chabot Hall, 11th and Jefferson, Oakland.
Contractor—W. G. Thornalley, 557 12th St., Oakland. $57,525

DWELLING
(756) W EIGHTY-SECOND AVE 300 N Birch, Oakland. One-story 5-room dwelling
Owner—A. D. Francis, 1369 81st Ave., Oakland.
Architect—None.
Contractor — Harry L. Hewitt, 2635 Russell St., Berkeley. $2500

DWELLING
(759) E FOURTEENTH AVE 60 W E-25th St., Oakland. One-story five-room dwelling.
Owner—E. Baldwin, 5211 E-14th St., Oakland.
Architect—None.
Contractor—H. L. Valleroy, 3636 Maple Ave., Oakland. $3600

DWELLING
(760) S FOOTHILL BLVD. 170 W Fairfax, Oakland. One-story six-room dwelling.
Owner—R. C. Hillen, 5361 Trask St., Oakland.
Architect—None.
Day's work. $4000

ALTERATIONS
(761) W FILBERT 170 S 32nd, Oakland. Alterations
Owner—Stall & Singen.
Architect—None.
Contractor—V. E. Thorpe, 1187 32th Ave., Oakland $3878

CHURCH
(762) W FALLON 10 S Eleventh St., Oakland. Frame church
Owner—Swedish Evangelical Mission Church
Architect—None.
Contractor — C. A. Hillberg, 143 Van Dyke Ave., Oakland. $20,000

DWELLING
(763) S HILGARD CIRCLE 150 W Excelsior, Oakland. One-story 6 room dwelling
Owner—Mrs. Clara M. Platt, 2731 Russell St., Berkeley.
Architect—None.
Contractor—F. E. Allen, 2718 Regent St., Oakland. $5000

DWELLING
(765) E PARK BLVD 300 S Wellington, Oakland. One-story 5-room dwelling.
Owner—F. J. Brown, 3811 Whittle Ave., Oakland.
Architect—None.
Contractor—W. J. Baker, 2255 Ransome Ave., Oakland. $4000

DWELLING
(767) E SIXTIETH AVE 93 S Foothill Blvd., Oakland. One-story 5-room tile dwelling.
Owner—Mary Marshall.
Architect—None.
Contractor—W. C. Marshall, Bacon Bldg., Oakland. $4000

DWELLING
(768) S SIXTIETH 100 W Canning, Oakland. One-story 5-room dwlg.
Owner—E. M. Hinch, 420 15th St., Okd.
Architect—None.
Day's work. $3000

RECORDED

STORE
(769) SW FIFTY-NINTH AND SAN Pablo Ave S 93 W 100 N 22.50 W 112 N 70.90 E 212, Oakland. All work for one-story store building.
Owner—Carrie B. Landregan, 1645 Ardmore St., Oakland.
Architect—None.
Contractor—C. R. Morse and Harry W. Hind (Morse & Hind), 1922 Hearst Ave., Berkeley.
Filed Feb. 23, '22. Dated Feb. 21, '22.
Roof on ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $4705
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted

Feb. 23, 1922—E FORTY-SEVENTH Ave 360 N County Road, No. 5358; E 160xS 60, Oakland. Christie A and Ida L Henry to C G Hildebrand.....Feb. 23, 1922

Feb. 23, 1922—LOTS 21 AND 22 Map Florence Jones Tract, Oakland. Claude C Rivenburg to A E Orton .....Feb. 21, 1922

Feb. 20, 1922—E ELSTON AVE 255.77 S Hampel S 40xE 100, Okd. Joseph F Perry to L M Baird..Feb. 15, 1922

Feb. 20, 1922—LOT 33 Map Grand Ave Terrace, Oakland Clarence S and Gertrude Buxton to Sommarstrom Bros Co.....Feb. 18, 1922

Feb. 20, 1922—SHATTUCK AVE & Kittredge, Berkeley Southern Pacific Co to Hutchinson Co .....Feb. 14, 1922

Feb. 20, 1922—WARD AND SHATtuck Ave, Berkeley. Southern Pacific Co to Hutchinson Co .....Feb 14, 1922

Feb. 20, 1922—NE E-TWENTY-eighth 128 NW Bella Vista Ave NE 131.69 NW 44, Oakland. Marguerite I Harrington to A F Hanson .....Feb 11, 1922

Feb. 20, 1922—LOTS 39 AND 60 Map Piedmont Villa Tract, Oakland L W Roth to whom it may concern .....Feb 18, 1922

Feb. 21, 1922—LOT 23 MAP CENtral Terace Extension, Oakland Emilie Schmidt to R J Schmidt .....Feb 14, 1922

Feb. 21, 1922—NW LAKESHORE Ave and Cottage St SW 63.02 NW 95.57 NE 37.95 SE 90.43, Oakland J F Higgins and Emma L Higgins to Edwin C Graff—Feb.

Feb. 18, 1922—E PERALTA AV 45.29 S Brookdale Ave S 100xE 90, Oakland. August Nlerick to whom it may concern.....Jan. 2, 1922

Feb. 18, 1922—SW CENTRAL AVE & NW Walnut NW 150xSW 140, Alameda. First Church of Christ Scientist in Alameda to C E Gordon .....Jan. 6, 1922

Feb. 18, 1922—LOT 13 BLK 5, Map Thousand Oaks Station Tract, Berkeley. C R Morse to whom it may concern.....Feb. 18, 1922

Feb. 18, 1922—LOT 13 BLK "D" Lakewood Park, Piedmont. Oscar E Nelson to whom it may concern... .....Feb. 6, 1922

Feb. 17, 1922—NW HIGH 125 SW E-14th SW 82.41 NW 165, Oakland. Automatic Electrical Machine Co Inc to S I Lundberg.....Feb. 3, 1922

Feb. 17, 1922—W SAN PABLO AVE 189.2 S Isabella S 50 W 100, Oakland. J M Shannon to Fred Hambleton.....Feb. 17, 1922

LIENS FILED

ALAMEDA COUNTY

Recorded Amount

Feb. 23, 1922—LOT 202 Map 4th Ave Terrace Extn., Oakland. J D McTeer vs Bartolomea Galliano and W H Higgins and Jane Crowe.$39.04

Feb. 23, 1922—LOT 60 Map Woodlawn Park, Oakland. Charles Tossell vs Ralph F Fickett and Mammie Fickett and J E Sprague.....$35

Feb. 21, 1922—E SANTA CLARA AVE 400 S Walla Vista Ave, Oakland. John C Maxwell (Maxwell Hardware Co) vs Samuel Moe and Chas Martin $74.25

Feb. 21, 1922—NE ½ LOT 5 BLK 32, Map Warner Tract, Oakland. Melrose Lumber & Supply Co, $244.69; C L Adams, $152 vs L J and Fanny Weinstein and C L Hewitt.....

Feb. 21, 1922—LOT 124 Map Piedmont by-the-Lake, Oakland. Thos F Rigney (Rigney Tile Co) vs Tillie Carpenter & C W Short.$160.50

Feb. 21, 1922—SW SANTA CLARA AV and Park Av S 166.76 W 118 N 45 W 140 N 120.19 E 175.6 S 130 E 55 N 130 E 27.5, Alameda. L H Spott (Spott Electrical Co) vs Tucker Investment Co, Mrs L M Pates and Minnie E Tucker.....$3.5

Feb. 18, 1922—LOT 1 BLK "B" Map Waterside Terrace, Alameda. P A Spott vs M E Whitney.....$125

Feb. 18, 1922—LOT 1 BLK "B" Map Waterside Terrace, Alameda. Oakland Building Material Co vs M E Whitney $286.60

Feb. 17, 1922—LOT 19 BLK 19 Map Key Route Heights, Oakland. Sunset Lumber Co vs Ora L and William N Rogers and W Moore..$46.00

Feb. 17, 1922—LOT 13 BLK 1 MAP Herzog Tract, Oakland. Charles F Osgood vs A L and D B Bankhead $16.50

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount

ALAMEDA RELEASE OF LIENS ....

Feb. 17, 1922—N RICH 65 W Webster, Oakland. Marshall & Stearns Co to Joseph F Rogers.....$96.00

Feb. 17, 1922—LOT 3 BLK 6 MAP Lakeshore Highlands, Oakland. Powell Bros Inc, $92.36; W H Pollard Jr, $32.50; C L Adams, $85.00, to F N Strang, W Leese & Lakesore Highlands Co.....

Notice of Non Responsibility

ALAMEDA COUNTY

Feb. [illegible] 19[illegible]—N FOURTEENTH 40 W Harrison N 101xW 40, Oakland Helen M Dille re to improvements on property .....

Feb. 21, 1922—NW BROADWAY AND 19th St N 93 E 150, Oakland. Geo A Douglass as to improvements on property .....

HOMESTEADS

ALAMEDA COUNTY

Feb. 21, 1922—NW PERALTA AVE 140 NE Lynde NE 50xNW 110, Okd. Joseph E Balagno $5000
Feb. 21, 1922—NW 107th AVE 253.25 SW Graffian SW 50xNW 100, Oakland. S M Unger.....$5000
Feb. 21, 1922—LOTS 15 AND 16 BLK 17, Sunset Terract, Albany. Thos McCourtney $4000
Feb. 20, 1922—LOT 6 Map Wadean Tract, Oakland. Lila D Williams (wf H R).....$3500
Feb. 20, 1922—NW HAYES AND Parrott N 100xW 150, San Leandro. Anna F Betanco (wf Frank)..$4000
Feb. 20, 1922—LOT 14 Map Wm M Butters Tract, Oakland. Allen & Harriet P Molin.....$4000
Feb. 17, 1922—S THIRTY-FIFTH 166 W Grove W 50xS 120-3, Oakland. Mary M Moore (wf Wm T)....$3000

BUILDING CONTRACTS

SANTA CLARA COUNTY

$1,000 and Over Reported

COTTAGE
SE SARATOGA AND PRUNE AVES., Santa Clara Co. All work for one-story frame cottage and garage.
Owner—Ned C. Griffin.
Architect—Charles S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—M. Perino, 160 Race St., San Jose.
Filed Feb. 16, '22. Dated Feb. 14, '22.
Frame erected $2500
Plaster on 2500
Dwelling and garage completed 2500
Usual 35 days..... 2500
TOTAL COST, $10,000
Bond, $5000. Sureties, A. Costiglione and G. Centola. Limit, 90 working days from Feb. 16, 1922.. Forfeit, none. Plans and specifications filed.

COTTAGE
LOCUST AND COLFAX STS., San Jose. Six-room cottage.
Owner—J. Garcia
Architect—None.
Day's work. $2200

OFFICE, ETC.
TWENTY-FOURTH at W. P. Crossing, San Jose. Office and factory.
Owner—Coast Fruit Products Mfg. Co.
Architect—None.
Contractor—A. J. Nielson, 358 N-4th St., San Jose. $2900

COTTAGE
HOBSON ST. near San Pedro, San Jose. Six-room cottage.
Owner—J. E. McCombs, 214 Hobson St., San Jose.
Architect—None.
Day's work. $3975

ADDITION
NO. 72 N-EIGHTH ST., San Jose. Addition to cottage.
Owner—A. L. Morse.
Architect—None.
Day's work. $1350

COTTAGE
NO. 43 N-SEVENTEENTH ST., San Jose. Four-room cottage.
Owner—R. L. Russell, 41 N-17th St., San Jose.
Architect—None.
Day's work. $1700

COTTAGE
TWENTY-FOURTH AND WHITTON, San Jose. Four-room cottage.
Owner—J. C. O'Neil.
Architect—None.
Contractor—W. H. O'Neil, 500 N-15th St., San Jose. $2250

CONCRETE BLDG.
CITY OF CAMPBELL. All concrete work for one and two-story concrete building.
Owner—Board of Trustees of The Campbell. (San Tomas Union Grammar School District, Campbell
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Filed Feb. 20, '22. Dated Feb. 14, '22.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $25,849
Bond, $12,920. Sureties, A. Lachman and J. T Casey. Limit, 90 working days from Feb. 14, 1922. Forfeit, $10. Plans and specifications filed.

BANK
PALO ALTO. All work for one-story concrete bank building.
Owner—The Stanford Bank of Palo Alto, California.
Architect—M. G. West & Co., 115 Front St., San Francisco.
Contractor—T. B. Goodwin, 180 Jessie St., San Francisco.
Filed Feb. 20, '22. Dated Feb. 1, '22.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $10,378
Bond, $5200. Surety, American Surety Co. of New York. Limit, 60 working days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Feb. 21, 1922—SAN JOSE. Elsie M H Whit to I. I Kelly.....Feb 21, 1922
Feb. 17, 1922—MAYFIELD. Nels Hansen to Hanson & Pohrs..... .....Jan. 15, 1922
Feb. 17, 1922—LOT 67 of the V. A. Hancock Sbdvn No. 1, San Jose. R S Purdy to A Bowen.Feb. 17, 1922
Feb. 16, 1922—ON STATE HIGHWAY bet. San Jose and Los Gatos. San Jose Water Works to Chadwick & Sykes.....Feb. 6, 1922
Feb. 16, 1922—SAN JOSE. C B Di Cristina to whom it may concern... .....Feb. 16, 1922

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
Feb. 17, 1922—NEAR SAN JOSE. A M Larry vs Crete A Crockett and W D Arnett.....$265.75

PIERCE-BOSQUIT
Abstract & Title Co.
Capital Stock $100,000
Sacramento, Placerville, Nevada City, Reno
SACRAMENTO OFFICE
ROSS E. PIERCE, Manager
905 SIXTH STREET

BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 and Over Reported

FLATS
NO. 511 FIFTEENTH ST., Sacramento. Two three-room flats.
Owner—Percy I. Baker. Premises.
Architect—None.
Contractor—M. E. Morrill, 5217 T St., Sacramento. $3750

ALTERATIONS
NO. 1312 SEVENTEENTH ST., Sacramento. Raise and remodel building.
Owner—Joe Sousa Oakland.
Architect—None.
Contractor—M. A. Fratis, 1728 S St., Sacramento. $4000

DWELLING
NO. 925 THIRTY-EIGHTH ST., Sacramento. One-story 5-room dwlg.
Owner—L. E. Iverson, 909 38th St., Sacramento.
Architect—None.
Day's work. $3000

DWELLING
NO. 709 THIRTY-SEVENTH ST., Sacramento. One-story 5-room dwlg.
Owner—Simpson Bros., Box 484 M. R. A., Sacramento.
Architect—None.
Day's work. $3500

DWELLING
NO. 1901 FORTY-FIRST ST., Sacramento. Two-story 7-room frame dwelling and garage.
Owner—Ernest Syufy, 3810 J St., Sacramento.
Architect—Fred'k. S. Harrison, Peoples Bank Bldg., Sacramento.
Contractor—Herndon & Finnigan, 1814 17th St., Sacramento. $9000

DWELLING
NO. 1841 FORTY-FIFTH ST., Sacramento. One-story 5-room dwlg.
Owner—A. Small, 1871 45th St., Sacramento.
Architect—None.
Day's work. $3000

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Feb 17, 1922—LOT 3, N. O, 6th and 7th Sts., Sacramento. Greek Community of Sacramento and Vicinity to whom it may concern..Feb. 14, '22
Feb. 15, 1922—W ½ LOT 2, I, J, 23rd and 24th Sts., Sacramento. Sarah Markowitz to whom it may concern.....Feb. 1, 1922

BUILDING CONTRACTS

FRESNO COUNTY

$5,000 and Over Reported

DWELLING
NO. 1217 UNIVERSITY AVE., Fresno. Dwelling.
Owner—Belle B. Millward, 973 Wilson Ave., Fresno.
Architect—None.
Day's work. $8000

WAREHOUSE
LOTS 1 TO 7 Ptn Lots 8, 9, and 10 Blk 189, Fresno. All work for reinforced concrete warehouse.
Owner—W. P. Fuller & Co., 301 Mission St., San Francisco.
Architect—E. Mathewson, Cory Bldg., Fresno.
Contractor—M. C. Vaughn, 357 12th St., Oakland.

Filed Feb. 15, '22. Dated Feb. 6, '22.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $80,000
Bond, none. Limit, 100 working days. Forfeit, none. Plans and specifications filed.

WAREHOUSE
NO. 1828 LOS ANGELES ST., Fresno. Warehouse.
Owner—O. J. Woodward, 2440 Mariposa St., Fresno.
Architect—None.
Contractor — Prichard Bros., Rowell Bldg., Fresno. $11,000

DWELLING
NO. 1535 OLIVE AVE., Fresno. Dwelling.
Owner—J. E. Good.
Architect—None.
Contractor—Shorb & Neads, 607 McKinley St., Fresno. $7500

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Feb. —, 1922—PTN BLK 2, Van Ness Park, Fresno. Belle T Harvey to whom it may concern..Feb. 10, 1922
Feb. 17, 1922—LOTS 5 AND 6 BLK 11, Pinehurst Addition, Fresno. Berton & Wolff to whom it may concern .....Jan. 1, 1922
Feb. 17, 1922—LOTS 19 AND 20 BLK 25, Belmont Addition, Fresno. Mrs Gesline Holmes to whom it may concern.....Feb. 16, 1922
Feb. 18, 1922—LOT 7 BLK 19 Hazelwood, Fresno. Manoog Manooglan to whom it may concern..... .....Feb. 17, 1922
Feb. 18, 1922—NO. 2042 LEWIS AVE Fresno. Berton & Wolfe to whom it may concern.....Feb. 10, 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount
Feb. 23, 1922—LOTS 8 AND 9 BLK 37, Fresno. Frank Connolly vs Felice Boggero, Clara Bellanti and N Brooks $22
Feb. 21, 1922—LOTS 31 AND 32 BLK 26, Fresno. L Rosenberg vs Kashador Najarian $339
Feb. 18, 1922—E ½ OF LOT 35 Normal Villa Tct, Fresno. F H Smith vs Clara Bouterious and R C and Theo Fields.....$91.00
Feb. 18, 1922—LOT 2 BLK 1 SANGER. Sanger Lumber Co vs Jas Campanarro and A T Crosby.....$1471
Feb. 16, 1922—LOTS 5 AND 6 BLK 368, Fresno. O L Durgin vs Edw A White $532

Notice of Non-Responsibility

FRESNO COUNTY.

Feb. 20, 1922—LOTS 19 TO 23 BLK 22, Coalinga. Mary T Sherrod and Ina M Wallace as to improvements on property .....
Feb. 17, 1922—LOT 4 Kutner Co, Fresno. A E Reinheimer as to improvements on property .....

BUILDING CONTRACTS

SAN MATEO COUNTY

RECORDED

BUNGALOW
LOT 29 BLK 9, Burlingame Terrace, Burlingame. Five-room bungalow and garage
Owner—William F Johnson and Margaret F. Johnson, Burlingame.
Architect—None.
Contractor—Thomas N Gesso, 1405 Grove Ave., Burlingame.
Filed Feb. 15, '22. Dated Jan. 5, '22
1st payment $1187.50
2nd payment 1187.50
3rd payment 1187.50
4th payment 1187.50
Promissory Note of even date herewith is to draw interest and be paid in conformity therewith 750.00
TOTAL COST, $5,500
Bond, none. Limit, 60 working days after Jan. 5, 1922 (bad weather excepted). Forfeit, none. Plans and specifications, none.

OFFICE BLDG.
E WEBSTER ST. 62-6 N Broadway, Lot 32' 6"x100', Redwood City. All work for two-story reinforced concrete Class C office building.
Owner—Geo. H. Rice Abstract Co.
Architect—W. H. Toepke, 942 Market St., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Filed Feb. 20, '22. Dated Feb. 14, '22.
Concrete walls poured; 2nd floor joists on $2250
All concrete poured, roof and rafters on 2250
Enclosed, sash set and inside plaster completed 2250
Completed 2250
Usual 35 days..... 3000
TOTAL COST, $12,000
Bond, $6000. Sureties, Albert Lachman and J. T. Casey. Limit, 95 working days. Forfeit, $10. Plans and specifications filed.

BUNGALOWS
REDWOOD HIGHLANDS, Lot 1 Blk 2; Lots 8 and 14 Blk 8; Lot 9 Blk 15; Lots 11 and 17 Blk 35; Lots 21, 10 and 18 Blk 30; Lot 18 Blk 31; Lot 2 Blk 34; Lot 8 Blk 33, Dingee Park, Redwood City. All work for 12 one-story 5-room frame bungalows.
Owner—Redwood Highlands Co., Redwood City.
Architect—Wm. J. Wilkinson, 1st Savings Bank Bldg., Oakland.
Contractor—Harry C. Knight, 388 12th St., Oakland.
Filed Feb. 15, '22. Dated Feb. 14, '22.
Frame up and roof sheathed..$982.50
Brown coated 982.50
Completed 982.50
Usual 35 days..... 882.50
TOTAL COST, $47,160.00
Bond, $23,580. Surety, National Surety Co. Limit, 156 days. Forfeit, none. Plans and specifications filed.

ADDITION
LOT 6 Map of Hillsborough Heights, Hillsborough. All work for addition and alteration.
Owner—Leland S. Ramsdell, Hillsborough
Architect—E. L. Norberg, 593 Market St., San Francisco.
Contractor—T. J. Broderick, 1528 Cypress Ave., Burlingame.
Filed Feb. 23, '22. Dated Feb. 21, '22.
Roof & rough plaster completed..$857
Completed 429
Usual 35 days..... 429
TOTAL COST, $1715
Bond, none. Limit, 75 working days. Forfeit, none. Specifications only filed.

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2216-18 Fillmore St.,
San Francisco

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Feb. 23, 1922—LOT 16 BLK 23. Easton Addition to Burlingame No. 2. H J Hughes to whom it may concern.. .....Feb. 21, 1922
Feb. 21, 1922—LOT 30 BLK 7, Central Add'n to San Mateo. Oscar L and Frank Cavanagle to whom it may concern.....Feb. 10, 1922

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

$2,500 and Over Reported

FLATS
N-EDISON ST., Stockton. Flats.
Owner—F. P. Dobson, 27 W-Oak St., Stockton.
Architect—None.
Day's work. $7500

APARTMENTS
N-COMMERCE ST., Stockton. Apartments.
Owner—Geo. B. Purinton, 45 W-Park St., Stockton.
Architect—None.
Day's work. $3000

FLATS
EAST WEBER ST., Stockton. Flats.
Owner—M. Colosso.
Architect—None
Day's work. $6500

RESIDENCE
W-ROSE ST., Stockton. Residence and garage.
Owner—S. Ritchie.
Architect—None.
Day's work. $3400

RESIDENCE
E-MONTEREY ST., Stockton. Residence and garage.
Owner—North Stockton Town Lot Co.
Architect—None.
Day's work. $4950

FLATS
NORTH COMMERCE, Stockton. Frame flats and garage.
Owner—Shutes & Zinck, 32 N Commerce St., Stockton.
Architect—None.
Day's work. $8675

APARTMENTS
NORTH HUNTER, Stockton. Frame apartments and garage.
Owner—Clara Stoltz.
Architect—None.
Day's work. $11,200

DWELLING
NO. 1289 FARRIS ST., Stockton. Dwelling.
Owner—E. G. Cooper.
Architect—None.
Day's work. $4200

COMPLETION NOTICES

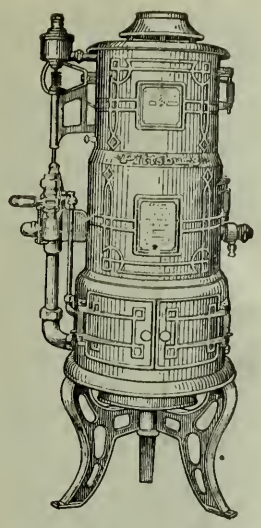
SAN JOAQUIN COUNTY

Recorded Accepted
Feb. 23, 1922—PTN LOT 1 BLK 1 Mosswood Park, Stockton. Karl Fairfax to whom it may concern .....Feb. 18, 1922

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
Feb. 23, 1922—LOT 15 BLK 215 E of Center St Stockton. F C Brandt vs A Kessler $232.75
Feb. 18, 1922—LOT 15 BLK 215, East of Center St, Stockton. Roberts & Clark vs A Kessler.....$147.51



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Building & Engineering News

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Publication Office
560 Mission Street

SAN FRANCISCO, CALIF., MARCH 4, 1922

Published Every Saturday
Twenty-second Year No. 9

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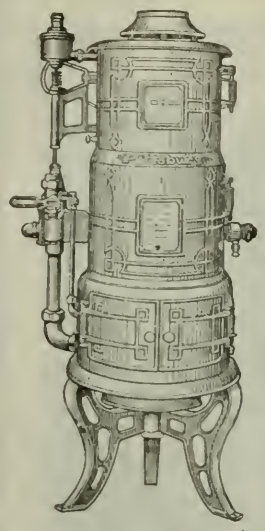

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday — SAN FRANCISCO, CALIF., MARCH 4, 1922 — Twenty-second Year No. 9

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San Francisco, Calif.

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J. P. FARRELL, Managing Editor

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Official Paper of Vallejo Builders' Exchange

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TAFT HIGH SCHOOL DISTRICT VOTES BONDS FOR SCHOOLS.

Bonds of $380,000 were voted at a recent election in the Taft Union High School District the proceeds of the sale to finance the construction of a group of high school buildings, plans for which are being prepared by Architect Orville L. Clark, Brower Building, Bakersfield.

The work includes the erection of a large gymnasium together with a swimming pool; gymnasium to be of masonry and frame construction, steel roof trusses and will cost approximately $150,000.

It is proposed to double the capacity of the present Domestic Science and Manual Arts buildings at an estimated cost of $50,000 each, also to enlarge both the boys' and girls' toilets and rest rooms at an estimated cost of $20,000 each, and the building of a large garage and shop at a cost of $30,000.

The construction of the Manual Arts, Domestic Science, Boys' and Girls' toilets and rest rooms will be of masonry and frame construction. The garage and shop to be of complete steel frame and sheet iron exterior.

CALIFORNIA MAY GROW OWN HARDWOODS

California may grow its own hardwoods if an experiment now under way is successful states Woodbridge Metcalf, Associate Professor of Forestry of the University of California Experimental Station. And experimental area established near Fort Bragg by the Union Lumber Company has been planted to six important Eastern hardwoods. The lumber company is furnishing the land and trees and the entire area is under the scientific direction and supervision of the Division of Forestry of the Agricultural Experiment Station. If the redwood region can advantageously produce these timbers, it will save the transcontinental haul of a very bulky product.

ENGINEERS PROPOSE TO LEASE 18 STORIES OF CROCKER BUILDING

A proposal to lease the top eighteen stories of the 42-story Crocker Building has been received from the Crocker Estate Company, according to a statement made before the Electrical Development League at a recent meeting.

The league has been planning a building of its own, to be used as an engineering center as well as headquarters. Robert Sibley, as head of the building committee, said the Crocker Estate proposed the top floor be used as club rooms for the league, and the remaining seventeen stories be sub-leased to engineers.

At the Crocker Estate Company it was said that the whole project is tentative, and no definite decision has been made as to the size or design of the building. In fact, the question of putting up a new building has not been started.

With the acquisition of property adjoining the present structure at the gore of Market and Post streets, the new building would have a floor space equal to the Merchants' Exchange Building.

FORMER OAKLAND CITY ENGINEER WITH S. F.-OAKLAND RAILROAD

Announcement that he has received the appointment as one of the engineers of the San Francisco-Oakland Terminal Railways, to survey and value all of the property of the company, is made by George Mattis, former engineer for the State Railroad Commission and Oakland City Engineer, who resigned February 15.

In making the announcement, Mattis said he would be employed for the time being in the same capacity he held during the time he was employed by the Railroad Commission when he valued all of the surface property of the Key System and San Francisco-Oakland Terminal Railways properties. Mattis' appointment becomes effective March 6.

ATTORNEY GENERAL HOLDS BUTTE BOND ISSUE FOR ROADS MUST BE SPLIT IN CONTRACTS

In an opinion rendered to District Attorney John R. Robinson at the request of the Butte County Board of Supervisors, Attorney General U. S. Webb has ruled that contracts for the completion of the Butte County good roads program must be let on the unit basis and advertised for bids in the same manner.

Webb's opinion is based on the idea that the Butte County road bond issue, covering 200 miles of road, was authorized under the budget plan and each road is apportioned a certain sum. This constitutes a separate bond issue for each road, according to the opinion rendered by Webb.

This will force the county officials to abandon the plan to give the contract in block to one large contracting firm with the idea of saving coin by permitting one operator to do the entire job. Rogers Brothers, of Los Angeles, who has been asked to enter a bid, will not be in the bidding on this basis as they are not interested in bidding on less than 150 miles of unfinished roads.

INTERNATIONAL CO-OPERATION IN STANDARDIZATION

The American Engineering Standards committee has just completed arrangements by which co-operation with the standardizing bodies in other countries will be made more effective. In doing this it has followed out the recommendations of the unofficial conference of the secretaries of the national standardizing bodies held in London in April, 1921.

In order that all standards shall be available to the industries of the various countries, it is planned that each national body will sell the approved standards of the other bodies. The American Engineering Standards committee (29 West 39th street, New York City) has available the publications of the standardizing bodies in Austria, Belgium, Canada, France, Germany, Great Britain, Holland, Sweden and Switzerland.

Hereafter the A. E. S. C. will regularly exchange information with the foreign bodies as to the status of work on the various projects being undertaken under its auspices. This information will be limited to the indication of the stage of development of the project, it being left in each case to the various sectional committees and sponsor bodies to decide to what extent they desire to exchange technical memoranda or drafts of standards. This exchange of information on the general progress of the work will, however, lay the basis for closer international co-operation as the need for this develops in special instances.

FIFTY-EIGHT MILLION DOLLARS LOANED TO BUILD HOMES

Fifty-eight million dollars has been loaned by the Metropolitan Life Insurance Company throughout the United States to build homes and apartments.

The Chicago Trust Company, handling the loans for the Metropolitan company in Illinois, Wisconsin and Northern Indiana, announces that in that territory $3,400,000 of the fund has been spread sufficiently to build 1040 homes and apartments, while new buildings are now going up at the rate of 30 a month. These homes have been erected in 66 cities.

The unusual part of the plan, according to the banking officials, is the small average of each loan, which is said to indicate that the construction is done for small home builders. The Illinois loans average about $4,000 each, which is approximately half the value of building and lot in each case. The builders are given three to fifteen years in which to repay the loans.

The banking officials state that the Metropolitan company does about as much clerical work in making one of these small loans as it would in putting out the entire sixty million dollars in a few big loans, and that the large loan policy is the one usually favored by American companies with vast sums to invest. This is another reason why this large insurance company deserves great credit for placing such large sums into home building loans.

Building permits issued during February in Modesto, totaled $80,950. Sixteen homes were erected during the month.

The Observer

LET'S GO

"There isn't any business," wailed the sad and gloomy man.
"I haven't made a dollar since the armistice began."
But I couldn't help reflecting, as I heard this story through,
That the hopeful, cheerful hustler seems to have a lot to do.
I've been in business places where the air was thick with gloom,
And the men were sad and solemn like and the mourners at a tomb,
And there wasn't any business or an order coming in
And what's more, there never will be, till those fellows start to grin.
"There isn't any business"—aren't you weary of the cry?
Men have caught the gloomy habit, and they sit around and sign.
But the hustler, I have noticed, who has quit his easy chair
And is confidently working, seems to gather in his share.
It's time to get the business, it is time to hustle out;
With a man's faith in the future much too long we've scattered doubt,
Much too long we've sobbed and whimpered, much too long we've talked of woe;
Now it's time for optimism and the hopeful phrase, "LET'S GO."

C. J Bastedo, sales manager of the paper box board, fiber shipping case and carton departments of the Paraffine Companies, Inc., of San Francisco, is leaving soon on a 29,000-mile tour of the Orient for the purpose of extending his company's trade relations. His mission will require eight months' travel, taking him to most of the company's regularly established offices throughout Japan, China, Straits Settlements, India, Burma, Ceylon, Dutch East Indies, French Indo-China, Australia and New Zealand. D. S. Evans, export manager of the paint, roofing, floor covering and wallboard division, preceded Bastedo on his regular swing around the circle.

A continuance of the Vallejo tie-up of building operations is likely. F .G. Volkers, secretary of the Solano County Building Trades Council, says his organization could not accept the agreement drawn up by A. W. Wehe, member of the Industrial Committee of the Chamber of Commerce, after certain clauses had been added by the Builders' Exchange. The agreement in its original form was acceptable to both factions, but last minute additions were made by the Exchange which its is claimed, practically eliminated any concessions that were to be made by them.

Members of the San Jose Realty Board, who for the past few weeks have been endeavoring to negotiate peace between unions and the millmen and contractors operating under the American Plan, have abandoned their peace work and taken up the banner of the American Plan The action followed a meeting which was a direct result of the refusal of the union men to negotiate with the Industrial Association of Santa Clara county, backing the American Plan. The unions, according to the realty men, "showed no inclination whatever to discuss the situation in a fair and impartial way."

The petition for a writ of mandate by which Scott Alexander of the Long Beach Chamber of Commerce sought to have the State Highway Commission compelled to build the southern extension of the coast highway through Long Beach instead of inland and around that city, was dismissed by Judge J. Perry Wood of Los Angeles County Superior Court. The court ruled the inland route was more feasible and added the commission had the power to build the thoroughfare wherever it thought proper, unless bad faith was shown.

Little change in lumber prices has occurred in the last three weeks, according to the report just received from the Chicago lumber market. Steady buying still continues, but the demand for lumber is not sufficiently heavy to effect prevailing prices. For the week ending January 7th to the week ending February 11th, the National Lumber Manufacturers' Association reports the following statistics: Production, 993,224,486 board feet; shipments, 933,964,528 board feet; orders, 978,183,929 board feet.

The revival of the railway equipment industry means that the iron and steel industry will have considerable demand for its output, which should greatly stimulate its activity. At present the steel industry is operating at 50 per cent of its capacity, and the prospect of increased demand from the railway equipment builders should, before many months, expand operations to an extent that will make production of steel and its products approach a level more nearly normal.

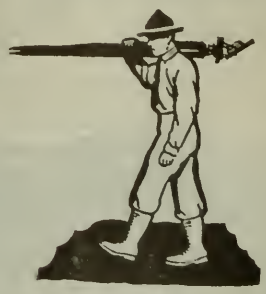
The California-Oregon Power Co., has placed an order with the Gold Hill Cement Co., Medford, Ore., to furnish 10,000 barrels of cement to be delivered at Thrall, Cal., where it will go over the power company's 14-mile railroad to Copco, where the company is installing the second 12,500-kilowatt unit, and also raising the crest of the dam across the Klamath river to its full height of 130 feet above the former water level.

The Shafer, McBaughlin and Millier Co., plans the erection of a plant at Kenton, Ore., for the remanufacture of lumber. The company has taken an option on a tract of eight acres and is planning to put in a plant that will treble its present handling capacity, at an outlay of approximately $75,000. This will require the erection of several large buildings and extensive sheds and dry kilns.

Lumber trade is getting near normal. A production of only 10 per cent below normal was registered by lumber mills of western Oregon and western Washington for the week ending February 18, according to the lumber review of the West Coast Lumbermens Association. This is the best showing in production made for some time New business and shipments each ranged around 12 per cent below normal

By mutual agreement Burdon and Kirkhouse, 1426 Macdonald avenue, Richmond painting contractors, dissolved partnership on January 31, the entire business being taken over by Joseph J. Burdon. S. Kirkhouse, however, will remain in the employ of Burdon.

ALONG THE LINE



Announcement is made by the State Board of Control of the appointment of Fred. M. Killam of Sacramento, as superintendent of building operations and maintenance to succeed W. S. Conger, resigned. The appointment is effective March 1. Conger has resigned to engage in the oil business in San Bernardino county, where he formerly resided.

Mitsuichi Ohshima, hydraulic engineer of the Shinyetsu Electric Power Co., of Tokio, Japan, is in Chico, for the purpose of looking over the properties of the Pacific Gas and Electric Company. Ohshima is making a tour of this country, visiting hydo-electric development projects with a view to gathering data for vast extensions by his company in Japan.

The Kings' Food Products Co., of Portland, Ore., is conferring with Thomas Tierney, president of the Irvington (Alameda County) Chamber of Commerce, regarding the establishment of a plant in that city.

The Warren N. Woodson bridge, spanning the Sacramento River at Squaw Hill, six miles southeast of Corning has been opened to traffic. The structure was erected by Tehama county at a cost of $236,000.

The steam shovel operators of Los Angeles and vicinity are planning to form an organization. Regular meetings are being held and it is expected officers will be elected in the immediate future.

O. C. Holt, one of the best known contractors in the San Joaquin valley, died at his home in Turlock, February 24, following a few days illness with influenza.

The North Pacific Construction Co., of Idaho Falls, Ida., has opened an office in the Pacific Finance Bldg., Los Angeles.

Chief Building Inspector Plummer, of Portland, Ore., has recommended increased fees for building permits, ranging from 10 to 20 per cent.

Matthew Fitzgerald, pioneer railroad contractor, and early settler in California, died at his home in Oakland, February 26th.

The Country Club of Centerville, Alameda County, advocates the erection of a new high school building for that section.

The General Milk Co., of California, will construct a $75,000 milk condensary in Tracy.

San Mateo county will vote March 31st, on question of establishing at San Mateo a regional junior college.

Santa Rosa city council grants building permits totaling $37,391 during the month of February.

Hoover Submits Progress Report on Housing---Urges Mobilization of Home Building Capital

In response to a request by the President in connection with Senator King's suggestion for calling a National Conference on Housing, the following report of the progress of the work of the Department of Commerce with relation to the housing situation was submitted to the President by Secretary Hoover.

His Excellency
The President
The White House

Dear Mr. President:

I am greatly obliged for your letter of February 2nd enclosing the very earnest letter from Senator King on the subject of a national conference on housing .

That there is a national shortage of houses requires no repetition. The shortage probably amounts to nearly a million homes—and is, of course, the result of suspension of building during the war. Since that tine high costs of building material and labor (due also to increased intermittency of employment) have prohibited the erection of little more than current necessities without recovery of the lost ground. I presume a national conference must proceed with a view either to secure community action or to secure legislation. We have, I believe, largely exhausted the possibility of community action already, as will appear from the following account:

Effort has already been made by the Department of Commerce which has, I believe, at least contributed to the resumption of construction during the past few months to a scale larger than any period since the war began. As the result of your request that this Department should interest itself in the matter (following upon the report of the Senate Committee on Housing), a sum of $50,000 was appropriated by Congress for the Housing Division in this Department.

Our first effort was through cooperation with unofficial bodies in bringing about local conferences on the housing situation in the different cities with a view to ameliorating conditions. These conferences have been held representatives of Chambers of Commerce, labor organizations, building and other trade associations, bankers, material manufacturers and contractors. Through these conferences and through other forms of local initiative a very considerable amount of good has been accomplished, although the results have varied a great deal between cities. Positive plans have been worked out in many of them and great stimulation to home building has ensued; where they have gone upon the rocks it has been over corrupt conditions of the building trades and over wage questions. This Department in addition to giving every stimulus it properly could to community action has served as a clearing house for information between these local efforts.

In addition to local effort we have created a number of agencies, mostly voluntary, for the purpose of securing constructive solution to some of the more general problems that cause the blockade on housing. Various committees have been established and are engaged in sincere efforts in the following feilds, the General Situation in the Construction Industry, Simplification of Municipal Building Rules, Simplification of Plumbing Requirements and Practice, Standardization of Contractors Specifications, Expansion of Small House Design Bureaus, Simplification of Clay Products, Lighting Fixtures, Lumber, Paint and Varnish, and in many other directions. By all these agencies much good has been accomplished in a quiet and efficient manner.

Among other things developed by these conferences was the total absence of any adequate comparative price data respecting building materials in various localities. This matter has been gradually developed in the Department and the spread of these comparative prices to the local conferences has resulted in many reductions.

As an example of problems of national scope it was strongly emphasized in the investigation of the Senate Committee on Reconstruction that the disordered and expensive requirements of our municipal building rules are estimated to impose a 10% to 20% unnecessary cost upon housing. In this matter, the committee appointed comprised: Ira H. Woolson, Chairman, Consulting Engineer, Natl. Board of Fire Underwriters, New York City. Edwin H. Brown, Architect, Minneapolis, Minn. Chairman, Committee on Small Houses, American Institute of Architects. William K. Hatt, Professor of Civil Engineering, Purdue University ,Director, National Research Council. Rudolph P. Miller, Ex-Superintendent of Buildings, New York City, Chairman, Building Officials Conference. J. A. Newlin, Forest Products Laboratory U. S. Dept. of Agriculture. Ernest J. Russell, Architect, St. Louis, Mo., Chairman, Natl. Board of Awards for Jurisdictional Disputes in the Building Industry. Joseph R. Worcester, Consulting Engineer, Boston, Mass.

This Committee is drafting a simplified set of municipal building rules, embracing the best practice of the art, and this work is well advanced. It has involved a large amount of cooperation with municipalities, with different trades and professions. Arising out of this we have also appointed a committee who are hard at work upon plumbing questions: George C. Whipple Chairman, Director, School of Sanitation, Harvard University. William C. Groeniger, President, American Society of Sanitary Engineering. William J. Spencer, Secretary-Treasurer of Building Trades Dept., American Federation of Labor. H. Y. Carson, Research Engineer, American Cast Iron Pipe Company, Birmingham, Ala. A. L. Webster, Sanitary Engineer, 112 East 40th Street, New York City. A. E. Hansen, Sanitary Engineer, 2 Rector St., New York City Thomas F. Hanley, Chairman, Standardization Committee, Natl. Association of Master Plumbers.

This committee is making good progress, and much experimental work is being done at the Bureau of Standards in the direction of simplification of plumbing requirements.

I appointed a national committee in the matter of city zoning in response to the urgent request of many interested national associations with a view to development of larger vision and more uniform legislation upon this subject. The committee comprises Louis A. Moses, Cleveland, Ohio, Representing the Natl. Association of Real Estate Boards. J. Horace McFarland, Harrisburg, Pa., Representing the American Civic Association. Nelson P. Lewis, New York City. Representing the Natl. Municipal League and the Natl. City Planning Conference. Lawrence Veiller, New York City. Representing the Natl. Housing Association. Morris Knowles, Pittsburgh, Pa., of the United States Chamber of Commerce. Edward M. Bassett, New York City, Chairman of the Zoning Committee of New York. Frederick Law Olmsted, Brookline, Mass. President of the Society of Landscape Architects. John Ihlder, Washington, D. C. of the United States Chamber of Commerce.

At the recent Unemployment Conference a subcommittee was appointed on construction industries, and to all intents acted as a national conference. This committee brought in a very valuable report and recommendations. Members of this committee were representative of all the different national elements in the problem and the committee recommended the further development of local conferences and again urged the necessity of higher moral standards, the reduction of costs by materials, capital and labor. This committee has been expanded into more permanent form by the appointment of additional members and is engaged in promoting local action. This committee comprises: Ernest T. Trigg, President Natl. Federation of Construction Industries. Joseph H. De Frees, President United States Chamber of Commerce, Washington, D. C. John Donlin, American Federation of Labor, Washington, D. C. Alexander M. Linnett, President U. S. League of Building and Loan Associations, Newark, N. J. Irving B. Hiett, President, Natl. Real Estate Board, 612 Madison Avenue, Toledo, Ohio. William Stabler, Comptroller, Metropolitan Life Insurance Company, New York City. John H. Kirby, Houston, Texas. Dr. J. T. Duryea, New York City. Charles Warner, Wilmington, Del. Richard E. Schmidt, Chicago, Ill., Gen. R. C. Marshall, Washington. D. C. C. F. Lang, Cleveland, Ohio. Daniel Crawford, Jr., Philadelphia, Pa. William L. Monroe, Pittsburgh, Pa.

Generally, I have the feeling that a national conference on the housing problem would be likely to split upon prices of materials and wages and, in any event, have no power to affect either one. Such questions can be better settled by local conferences such as those already held. I have held generally that we are or should be a country of local community action, and that the province of the Federal Government was to stimulate and assist local action and to avoid every suggestion of nationalizing these questions. The blockade was due to high levels of materials, wages, railway rates, and shortage of home building capital. Prices and wages are slowly receding, efficiency of labor is increasing and the volume of building is gaining.

(Continued on Page 18)

A GLIMPSE OF SAN FRANCISCO BUILDING ACTIVITY

Not an unusual sight in San Francisco. Three Steam Shovels and a Train of Motor Trucks Preparing the Way for Three Modern Structures in San Francisco's Downtown Apartment House District.

While a building boom is not expected in San Francisco in the immediate future, indications are the activities will continue at a brisk pace and will roll up a yearly total exceeding those of any of the past few years.

Those connected with the building industry are confident of a big building season—especially with regards to housing—homes, flats and apartment buildings. Money is easier— labor is plentiful and prices are right. These conditions coupled with the demand for new and modern buildings should cause an usual spurt in operations.

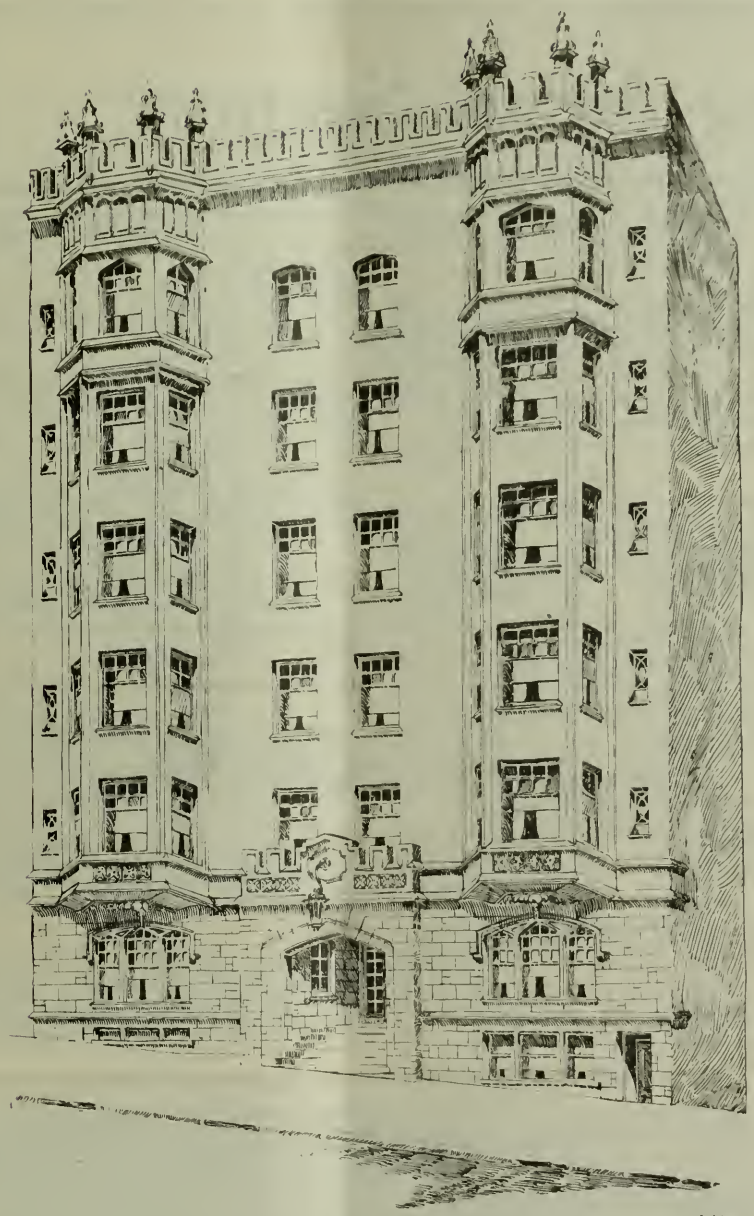
The report covering January building activities furnishes one with the idea that building boom looms. During January the City Building Department reports the issuance of 620 permits aggregating a total expenditure of $5,528,978. Of these 227 were for new buildings totaling $2,866,723. New structures are segregated as follows: 24 Class C, $773,875; 210 frames, $1,271,402, 2 public buildings, $60,103; 1 building, for State Board of Harbor Commissioners $761,343. The balance of the operations total $2,662,255, this amount being for 383 permits to alter, repair and make additions to standing structures.

The activities of January are exceeded only by those of September, October, November and December of 1906 and in February, March, April and May of 1907, following the earthquake and fire when construction was going forward at a tremendous rate with the entire down town section of the city to be rebuilt. The January total is only once again exceeded by the activities of January 1914 when they registered $7,349,816. During that month sixteen buildings of the Panama-Pacific International Exposition were included in the report which totaled $7,319,816 and of which $6,127,000 was for exposition buildings.

During the month of February the City Building Bureau reports the issuance of 609 permits—of these 362 were for alterations and repairs to standing structures, totaling $783,539, the balance of the operations being for new buildings. February activities are segregated as follows:

Class	Permits	Cost
Class B	3	$ 120,000
Class C	17	359,400
Frames	225	1,395,812
Alterations	362	783,539
Public	2	172,240
TOTAL	609	2,830,991

One of the above buildings is being erected by Vukcevich and Raggi, general contractors, 180 Jessie Street—another by the Morton Builders, Balboa Building and the third by Carl Peterson, Sharon Building. The total estimated cost of the three buildings is placed at $251,100.



August G. Headman, Architect

$200,000 Apartment Building for Carl H. Peterson Now Under Construction in O'Farrell Street near Jones.

Carl H. Peterson, fermerly of the firm of McLeran and Peterson, contractors, has commenced the erection of a modern six story and basement armoured concrete apartment house in the north side of O'Farrell street just west of Jones, the heart of the apartment house and uptown shopping district where a considerable amount of new construction work is now under way.

The structure will contain one hundred rooms, these being divided into two and three room apartments. Each apartment will have all the latest built-in features, service and disposal devices, wall beds, large dressing closets with window ventilation, latest plumbing fixtures, steam heat, electric and gas stoves, vacuum cleaning apparatus and many other new and attractive features not included in the average apartment structure.

A particularly attractive feature of the building is the commodious size of all the rooms, halls and closets which together with the abundance of light and sun secured through proper orientation makes it unique for a building on a downtown lot.

The white cement exterior and Caen stone lobby will be treated in Gothic and the interior in French and Italian Renaissance.

It is proposed to have the structure completed in time to meet the expected demand for high class apartment buildings during the Spring influx of Eastern tourists.

Plans for the building, promoted and financed by the Property Development, were prepared by Architect August G. Headman, who placed the approximate cost of construction in the neighborhood of $200,000.

IMPORTANT STATE HIGHWAY CONTRACTS AWARDED

Contracts on State Highway sections lying in Mendocino, Santa Clara and Monterey Counties have just been awarded by the California Highway Commission.

The Mendocino job was for paving about 17 miles from north of Ukiah to north of Willits, where the highway to Eureka first enters the coast mountains. Bids were called for on reinforced concrete five inches thick, and asphaltic macadam six inches thick, both 16 feet wide. The award was made to Conners & Hansen of Santa Rosa, on a basis of asphaltic macadam. Their bid was for $274,994, plus $18,396, State furnished materials, making a total cost of $293,390, which is $139,117.80 less than the lowest bid for the concrete type. There were nine bidders on this work, the low being $32,806 less than the State Highway Engineer's estimate for the work.

Pacheco Pass

The Santa Clara County State Highway work just awarded is a 17 mile section of the so-called Pacheco Pass lateral connecting the north coast counties with the upper San Joaquin valley. The section runs from San Felipe to the Merced County line, and the specifications call for a graded and graveled highway 21 feet wide in cuts and 24 feet on fills. The alignment is exceptionally fine with few curves of less than 500 feet radius, and no grades over 6%. There were ten bidders ranging from $195,890.70 to $346,724.50, with an Engineer's estimate of $261,806. The contract was awarded to Rhodes & Price of Hilt, Cal., on a low bid of $195,980.70 plus State furnished materials amounting to $15,688.61, or a total cost of $211,579.31 for the job.

A contract for surfacing the Kings City bridge and the approaches thereto has been awarded to J. A. Costello of San Francisco. His price was $22,600.

RELATIVE COST OF GRADING AND PAVING IS SHOWN

What part of the cost of a road goes into grading and structures that are more or less permanent, and what part goes into the paving which may eventually wear out?

This question is answered fully by statistics compiled by the Bureau of Public Roads of the Unites States Department of Agriculture on 1,350 completed Federal-aid roads, involving 7,500 miles of road, at a total cost of $112,000,000.

Of the total cost, 21 per cent went into grading, 14 per cent into structure, 62 per cent into paving, and 3 per cent for engineering. These are the average figures for the whole of the United States, but there is considerable variation in different sections.

In the Middle Atlantic States, where grading is not heavy and paving must be built for heavy traffic, the cost of the paving rises to 75 per cent and the grading and structures fall to 15 per cent and 9 per cent, respectively.

In the mountain States the problem is very different, much of the work being new construction with heavy grading, and the highest type of surface is not necessary. In this group of States the cost of grading amounted to 33 per cent, structures 20 per cent, and paving 42 per cent.

Fossil specimens of huge reptiles that inhabited the shores of an inland sea where the Rockies now stand have been excavated in Dinosaur Mountain near Denver.

Building News Section

APARTMENT HOUSES

Sub-contracts to be Awarded Next Week.
APARTMENTS Cost, $25,000
SAN FRANCISCO. E Guerrero 90 S 17th.
Three-story frame (9) apartments (2, 3 and 4-room apartments).
Owner—J. Lynch, 304 Anglo Bldg., San Francisco.
Architect—A. J. Horstmann, 303 Anglo Bldg., San Francisco.

To be Done by Day's Labor and Sub-contracts.
APARTMENTS Cost, $15,000
SAN FRANCISCO. SE Broderick and Pine Streets.
Three-story and basement frame (12) apartments.
Owner—F. Edwards.
Architect—J. C. Hladik, Monadnock Bldg., San Francisco.

Plans Completed. Cost, $30,000
OAKLAND. Alameda Co., Cal. NW Haddon Road and Excelsior.
Three-story 33-room frame apartment house.
Owner—M. F. Smith, 1001 Excelsior Av., Oakland.

To be Done by Day's Work and Sub-contracts.
APARTMENTS Cost, $20,000
SAN FRANCISCO. W Hyde 137-6 N Ellis.
Three-story and basement reinforced concrete (11) apartments.
Owner—E. V. Lacey, 180 Jessie St., San Francisco.
Architect—None.

To be Done by Day's Labor and Sub-contracts.
APARTMENTS Cost, $30,000
SAN FRANCISCO. S Eddy 62-6 E Hyde
Four-story and basement reinforced concrete (12) apartments.
Owner—J. Greenbach, 371 Waller St., San Francisco.
Architect—Not given.

To be Done by Day's Labor and Sub-contracts.
APARTMENTS Cost, $20,000
SAN FRANCISCO. E Polk 88-9 S Greenwich.
Three-story and basement frame (12) apartments.
Owner—Alex A. Johnson, 632 Belvedere St., San Francisco.
Architect—None.

Plans Completed
APARTMENTS Cost, $10,950
BERKELEY, Alameda Co., Cal. No. 1301 Bonita.
Two-story 16-room frame apartment house.
Owner—G. B. Ocheltree, % Juster & Baird, 2027 Shattuck Ave., Bkly.
Architect—None.

Contract Awarded.
APARTMENTS Cost, $34,000
SAN FRANCISCO. W Hyde 112-6 N Eddy Street.
Three-story and basement concrete (11) apartments.
Owner—Chas. L. Morey, 610 Dalziel Bldg., Oakland.
Architect—E. W. Cannon, Central Bank Bldg., Oakland.
Architect—Arthur S. Holmes, 180 Jessie St., San Francisco.

Working Drawings Being Prepared.
APARTMENTS Cost, $——
OAKLAND, Alameda Co., Cal. Facing Lake Merritt.
Four and six-story and basement Class A apartment house (45 3 and 4 room apts with basement garage)
Owner—Isola Bella Apartments, Inc.
Architect—J. Martyn Haenke, Balboa Bldg., San Francisco.
It is planned to start construction in about thirty days.

To be Done by Day's Work.
APARTMENTS Cost, $13,000
SAN FRANCISCO. E Leavenworth 100 N California Street.
Three-story and basement frame (6) apartments.
Owner—J. Harold Johnson, 771 28th Ave., San Francisco.
Architect—None.

BANKS

Contract Awarded.
BANK. Cost, $20,000
GUERNEVILLE, Sonoma Co., Cal.
One-story reinforced concrete bank.
Owner—Bank of Guerneville, Guerneville.
Architects—Miller & Warnecke, Perry Bldg., Oakland.
Contractor—W. L. Proctor, 517-A 4th St., Santa Rosa.

Figures to be Taken Shortly.
BANK BLDG. Cost, $——
LONG BEACH, Los Angeles Co., Cal. Cor. Broadway and American Ave.
Twelve-story, basement and sub-basement Class A steel and concrete office and bank building.
Owner—Ed. Jones.
Architect—W. Horace Austin, 1st Nat'l. Bank Bldg., Long Beach.
A portion of the building has been leased to the City National Bank of Long Beach.

Plans Being Prepared.
ALTERATIONS Cost, $20,000
VALLEJO, Solano Co., Cal. Main and Georgia Sts.
Alter first floor of San Pablo Hall for Bank.
Owner—First National Bank.
Architect—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

Low Bidders to Re-figure Revised Plans.
BANK BUILDING Cost, $——
ALAMEDA, Alameda Co., Cal.
One-story reinforced concrete or brick bank building.
Owner—National Bank of Alameda.
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.
Figures are for general contract.

Steel Figures to be Taken in About Three Weeks.
BANK & OFFICE BLDG. Cost, $——
OAKLAND, Alameda Co., Cal. No. 1212 Broadway Corner Twelfth Street.
Sixteen-story Class A bank and office building (addition adjoining present eight-story structure).
Owner—Oakland Bank of Savings.
Architects — Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

BONDS

SANTA ROSA, Sonoma Co., Cal.—April 4th is date set to vote bonds of $300,000 to finance construction of two new grammar schools to be known as Lincoln and Fremont schools. No architects have been selected as yet.

MADERA, Madera Co., Cal.—March 27 is date set in Howard School District to decide question of issuing bonds of $12,000 to finance construction of a new school. Trustees are: Wm. H. Hall, Geo. H. Clark and Wm. V. Houlding.

SAN MATEO, San Mateo Co., Cal.—Bonds of $80,000 to finance construction of two grammar schools for the Millbrae and Lomita Park districts were voted at a recent election.

Sibley Grading and Teaming Co.
Office 16th St., bet. Dolores and Church Sts.
185 LANDERS STREET Phone Market 766

BAKERSFIELD, Kern Co., Cal.—Bonds of $225,000 have been voted to build additions to seven school buildings.

SANTA ROSA, Sonoma Co., Cal.—Trustees of Dunbar School District set March 31 as date to vote bonds to finance construction of a new school, cost of which is yet to be determined.

SACRAMENTO, Cal.—Bonds of $1,150,000 were voted at a recent election to finance construction of school improvements. Plans for the work will be prepared by Board of Education's Architectural Commission, Hemmings-Petersen and Hudnutt, Inc., City Library Bldg., 9th and J streets, Sacramento.

WATSONVILLE, Santa Cruz Co., Cal.—Bonds of $42,000 voted in Pajaro School District to finance construction of a new school building. Wycokoff & White, Growers Bank Bldg., San Jose, are the architects.

HUNTINGTON PARK, Cal.—Until Mar. 6, bids will be received for sale of $75 000 water bond issue. H. H. Hunter, city clerk.

CARMICHAEL, Sacramento Co., Cal.—Election will be held March 28th in Carmichael Public Utility District to vote bonds of $45,000 to finance construction of an electrical distributing system. Directors of district are: A. D. McDonell ,O. D. Boyer and Geo. E. Fetters.

SANTA ROSA, Sonoma Co., Cal.—March 22. is date set to vote bonds of $25,000, in Lewis School District to finance construction of a new school. Trustees are: J. P. Gibbs, Archie Lockhart and A. A. Campbell.

LINDSAY, Tulare Co., Cal.—Bonds of $10,000 for grammar school improvements and $15,000 for high school improvements were voted at a recent election.

TURLOCK, Stanislaus Co., Cal.—March 11, date set to vote bonds of $36,000 in Hawthorne Grammar School District to finance construction of new school. Trusteees are: Wm. N. Graybiel, Charles V. Lundahl and Fred C. Englesby.

NEWPORT BEACH, Cal.—Election has been called for Mar. 23, to vote $21,000 for constructing a steel bridge on Central Ave. and $25,000 for constructing a turning basin at Newport Harbor. Paul H. Kressly, engineer.

OAKDALE, Stanislaus Co., Cal.—Bonds of $45,000 to finance street paving and the erection of a new fire house were voted at a recent election.

SAN PABLO, Contra Costa Co., Cal.—Bonds of $45,000 voted in San Pablo Sanitary District to finance construction of sewer system. Project involves 570 lin. ft. 6-in., 1070 lin. ft. 8-in., 2200 lin. ft. 10-in., 4600 lin. ft. 15-in., 1420 lin. ft. 21-in. and 5250 lin. ft .24-in. vitrified sewer; 45 manholes. Ross L. Calfee, 221 S 22nd St., Richmond, engineer for district.

REDWOOD CITY, San Mateo Co., Cal.—Until March 20, 10 A. M., bids will be received by Elizabeth M. Nash, county clerk, for repairing and surfacing Pescadero to Santa Cruz county line road; $50,000 available from general fund. Geo. Kneese, county surveyor.

ELK GROVE, Sacramento Co., Cal.—Bonds of $10,000 voted in Franklin School District to finance additions to school.

PLEASANTON, Alameda Co., Cal.—March 14, date set to decide on formation of high school district comprising Pleasanton, Antone and Murray school districts. Should district be organized a bond election will be called to vote bonds to finance construction of new high school.

SAN MATEO, San Mateo Co., Cal.—Matter of establishing a regional college in San Mateo county will be voted upon at March 31 election. R. C. Cloud is county supt. of schools.

CHURCHES

Site Purchased.—Plans Being Prepared.
TEMPLE BUILDING Cost, $100,000
FRESNO, Fresno Co., Cal. SW Calaveras and N Sts.
Fireproof temple building 150x175.
Owner—Temple Beth Israel.
Architect—Milton Wertheimer, 3920 Verrue St., Fresno.

FACTORIES & WAREHOUSES

Plans Being Prepared.
MILK EVAPORATING PLANT Cost, $75,000.
TRACY, San Joaquin Co., Cal.
Reinforced concrete milk evaporating plant building.
Owner—General Milk Co. of California.
Architect & Superintendent—A. J. Mazurette, 1002 H St., Modesto.
The officers and directors of the company are: John C. Hughes of Oakland, president; J. C. Drogo of Tracy, Gea. A. Davis of Berkeley, secretary; A. J. Mazurette of Modesto, and Frank S. Glass of Berkeley, vice-president and general manager.

Plans Completed.
FACTORY BLDGS. Cost, $——
MARTINEZ, Contra Costa Co., Cal.
One-story fireproof factory buildings.
Owner—California Car Co., Alexander Bldg., San Francisco.
Engineer—C. R. Manbert, 496 12th St., Oakland.
Work will be done by day labor and will not be started for at least a month.

Wood Piling Bids Being Taken.
WAREHOUSE Cost, $25,000
RICHMOND, Contra Costa Co., Cal. E Potrero Ave., Lot 4, Turksbury Estate.
One-story steel and sheet metal warehouse and storage tank.
Owner—Galena Signal Oil Co., Monadnock Bldg., San Francisco.
Engineer—D. Dorward, Jr., 16 California St., San Francisco.
Sub-figures will be taken shortly on the balance of the work.

Plans to be Prepared.
FACTORY Cost, $——
SAN FRANCISCO. N Folsom Street 145 W Second Street.
Three-story and basement reinforced concrete factory building. 130x135.
Owner—Collins-Hencke Candy Co., 25 Beale St., San Francisco.
Architect—Not Selected.

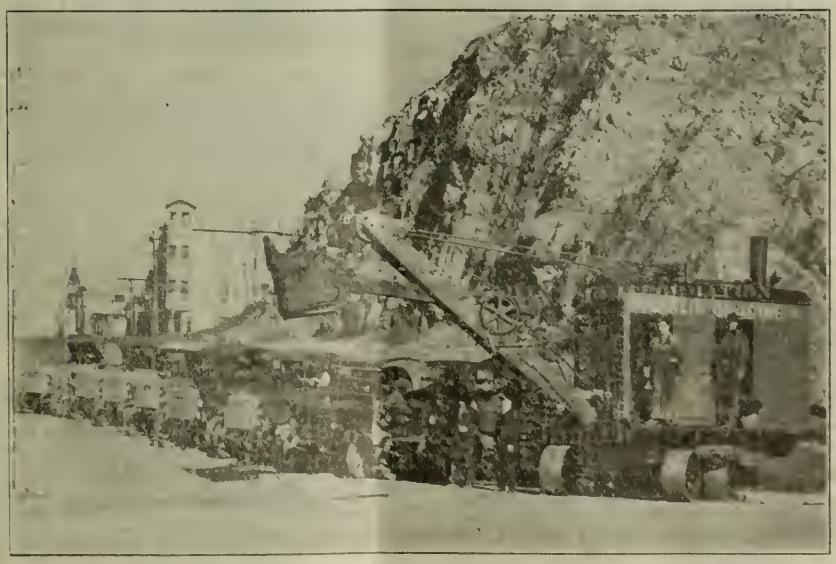
Contracts Awarded.
WAREHOUSE, ETC. Cost, $——
OAKLAND, Alameda Co., Cal. Seventh Street.
One-story hollow tile and brick warehouse and salesroom building.
Owner—R. J. McMullin.
Architect—Jas. T. Narbett, Syndicate Bldg., Oakland.
Brick work to Thos. E. Beede, $3795.
Glass to W. P. Fuller Co., $325.
Plumbing to G. W. Durant, $267.
Electric work to Spencer Electric Co., $135.
Lumber to Tilden Lumber Co, $939.
Mill work, sash and door to Tilden Lumber Co., $243.
Painting to Machine Spray Paint Co., $350.
Roofing to National Roofing Co., $100.

Plans Being Figured.
BOILER ROOM Cost, $4000
OAKLAND, Alameda Co., Cal. No. 730 Twenty-ninth Street.
One-story brick and steel boiler room building.
Owner—(The Calou Estate), Oakland Laundry Co.
Architects—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.

Figures Being Taken.
ICE CREAM PLANT Cost, $5,000
NEWMAN, Stanislaus Co., Cal.
One-story fireproof ice cream plant.
Owner—National Ice Cream Co., 371 Guerrero St., San Francisco.
Architect—J. T. Ludlow, 420 Montgomery St., San Francisco.
Figures are being taken from Newman contractors.

Plans Being Figured.
WAREHOUSE Cost, $——
OAKLAND.
Two-story concrete and brick warehouse.
Owner—F. W. Deahl.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Contracts Awarded.
BUILDING Cost, $——
SAN FRANCISCO. SW Natoma and 8th Sts.
One-story and part basement reinforced concrete Class C printing office building.
Owner—Valentine-Francis Co.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Contractor—Arras & Co., 180 Jessie St., San Francisco.
Plumbing to Henry Ernst & Son, 633 Hayes St.
Electric Work to Victor Lemoge, 281 Natoma St., San Francisco.



THE CARLIN GRADING CO.
180 JESSIE STREET PHONE SUTTER 6700

IRVINGTON, Alameda Co., Cal.—Chamber of Commerce, Thos. Tierny, president, conferring with King's Food Products Co., of Portland, Ore., regarding the establishment of a plant here.

WOODLAND, Yolo Co., Cal.—Until March 20, 11 A. M., bids will be received by H. R. Saunders, county clerk, for constructing addition to county warehouse at Oak Ave. and Fifth St. Plans may be had from clerk.

DINUBA, Tulare Co., Cal.—J. A. McCulough, architect for California Peach and Fig Growers' Association, Fresno, is completing plans for a peach packing plant and fig manufacturing plant to be erected in Dinuba. The buildings will cost approximately $80,000; with equipment, $105,000.

YUBA CITY, Sutter Co., Cal.—Growers in the vicinity of Yuba City will urge California Raisin Growers' Association to erect a stemming and packing plant in this city. A. H. White of Marysville heads the movement.

AVALON, Cal.—Until 1.30 P. M., Mar. 10, bids will be received by the city clerk for repairing the municipal wharf of the City of Avalon. Certified check for $500 or bond required. F. M. Tidball, city clerk.

CHICO, Butte Co., Cal.—Ellamoore Co., of Marysville and Redding, Calif., will locate an ice cream plant in this city. W. J. Moore is president of company.

FIREHOUSES AND JAILS

SAN FRANCISCO—Until March 15, 3 P. M., bids will be received by Board of Public Works, for constructing drill tower for Fire Department in Division St. between 10th and 11th. Segregated bids will be taken, as follows: General Contract, estimated cost, $24,000; Brick and Hollow Tile, $14,000; Electric Work, $1,900; Plumbing and Heating, $1,500. Plans may be had from Bureau of Architects, 2nd floor, city hall. Meyer & Johnson, Banker's Investment Bldg., are the architects.

FLATS

Plans Completed.
FLATS Cost, $11,500
SAN FRANCISCO. W 14th Ave. 100 S Cabrillo.
Two-story and basement frame (2) flats.
Owner—Harry Walsh, 591 20th Ave., San Francisco.
Architect—None.

Plans Being Figured.
FLATS Cost. $7,500 each
SAN FRANCISCO. S Lombard E Octavia Street.
Two two-story and basement frame and plaster flat buildings (2 5-room flats and basement garages).
Owner—Estate of P. Michelette.
Supervising Architect—August Headman, Call Bldg., San Francisco.
Figures are being taken for a general contract.

Contracts Awarded—Sub-figures Being Taken for Roofing and Plastering.
FLATS Cost, $10,000 each
SAN FRANCISCO. N Lake 32-6 E 27th Avenue.
Two two-story and basement frame flat buildings (2 flats each) of five rooms and sleeping porch.
Owner—N. Samuels, 159 Parker Ave., San Francisco.
Architect—Mel. I. Schwartz, Nevada Bank Bldg., San Francisco.
General Contractor—Louis J. Deibel, 2453 Buchanan St., San Francisco.
Plumbing to Frank J. Klimm, 1[illegible]0 Jessie St., San Francisco.
Sheet Metal and Terra Cotta Flues to Atlas Heating& Ventilating Co., 72 Freelon St., San Francisco.
Electric Work to American Elec. Co., 612 Howard St., San Francisco.

Plans Being Prepared.
FRAME FLATS Cost, $15,000
FRESNO, Fresno Co., Cal.
Two-story frame and plaster frame (4) flats.
Owner—Mamie E. Donley.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.

To be Done by Day's Work.
FLATS Cost, $11,000
OAKLAND, Alameda Co., Cal. N Fifty fifth St. 240 W Grove St.
Two-story 16-room frame flats.
Owner—J. E. Hennings, 868 55th St., Oakland.
Architect—None.

Segregated Figures to be Taken End of This Week.
FLATS Cost, $32,000
SAN FRANCISCO. Potrero and 17th Ave.
Two-story and basement frame and plaster flat building (8, 4-room flats.
Owner—Mr. Dettling.
Architect—E. E. Young, 251 Kearny St., San Francisco.

GARAGES

Contract Awarded.
GARAGE Cost, $10,000
SAN FRANCISCO. E Valencia 355 S Army.
One-story brick garage.
Owner—Brodofsky Bros.
Architect—None.
Contractor—Emil Nelson, 4835 Geary St., San Francisco.

Contract Awarded.
GARAGE Cost, $7,000
COLUSA, Colusa Co., Cal. 5th and Main Streets.
One-story reinforced concrete garage.
Owner—M. A. Sparks, Pioneer Garage, Colusa.
Architect—Not given.
Contractor—W. C. Blean, Colusa.

Contract Awarded.
GARAGE BUILDING Cost, $50,000
FRESNO, Fresno Co., Cal. 1215-23 Broadway.
Three-story reinforced concrete garage building (2 stores).
Owner—Dolson & Anderson, Inc., 902 Bush St., San Francisco.
Architect—None.
Contractor—Frank H. Masow, 1932 Hyde St., San Francisco.

Contract Awarded.
GARAGE Cost, $25,000
SAN FRANCISCO. E Valencia 195 N 15th.
Two-story reinforced concrete class C garage.
Owner—Dunn-Williams Co.
Architect—Aruthur S. Bugbee, 26 Montgomery St., San Francisco.
Contractor—Sampson & Co., Monadnock Bldg., San Francisco.

Bids In—Contract to be Awarded Shortly.
GARAGE Cost, $16,000
SAN FRANCISCO. N Mission bet. Highland Ave. and West Park.
One-story concrete private garage.
Owner—Elfrieda Hanchett.
Architect—Albert W. Burgren, 110 Sutter St., San Francisco.

Permit Applied—To be done by Day's Work.
GARAGE Cost, $20,000
OAKLAND. NW 19th and Jackson Sts.
One-story concrete garage.
Owner—P. A. Palmer, Monadnock Bldg., San Francisco.
Architect—None.

GOVERNMENT WORK AND SUPPLIES

Plans Being Figured—Bids Close Mar. 15, 1922, 11 A. M.
EXTENSION Cost, $——
MARE ISLAND, Cal.
One-story extension to shell house and magazine buildings; Specification No. 4561.
Owner—U. S. Government (Bureau of Yards and Docks, Washington, D. C.)
Plans by owner.
The work will consist of a one-story extension to the shell house building No. A-131 and to the magazine building No. A-130. Each will connect with and be similar to the existing buildings and will have wood finish flooring and concrete fill on reinforced concrete floor base; exterior, reinforced concrete, loading platform; concrete foundation on timber piles; hollow tile walls with exterior stucco; steel columns and trusses; asbestos shingle roofing on wood deck; and a lightning protection sytem.
Plans and Specifications No. 4561 may be obtained, when available, by application to the Bureau of Yards and Docks, Navy Department, Washington, D. C., or to the Commandant, Navy Yard, Mare Island, California, accompanied with a postal money order or check for ten dollars ($10.00) payable to the Chief of the Bureau of Yards and Docks, as security for the safe return of the specifications.
The bids will be opened in Washington.

SAN FRANCISCO.—Until March 8, 10 A. M., bids will be received by Depot Quartermaster, Fort Mason, for furnishing and delivering under Circular 22-41: sheet brass; ship bell clock; lamp cord; brass pipe; brass pipe bushings, plugs, elbows, tees, couplings and unions; brass angle and globe valves; asbestos gaskets; paints, etc., etc.

SAN FRANCISCO—Until March 8, 10 A. M., under Circular No. 22-41, bids will be received by Depot Quartermaster, Fort Mason, for furnishing and delivering 1 portable rock drilling outfit, comprising of a gasoline engine with fuel tank and radiator, compressor, air receiver, one rock drill, air hose, necessary accessories and tools; mounted on steel truck, housed in power plant must be similar and equal to the Chicago Pneumatic Tool Co's. No. P2-DGL; the rock drill to be similar and equal to No. A-86 "Hummer" hand drill.

OAKLAND, Cal.—According to word received from Senator Hiram Johnson, the Supervising Architect, Treasury Department, has appointed a special representative to investigate conditions in the present Oakland postoffice, the structure having been declared inadequate to handle the increased business.

SAN FRANCISCO—Until March 13, 3 P. M., bids will be received by J. S. Dunnigan, clerk, Board of Supervisors, for furnishing and delivering lumber and mill work and street and sewer material required by city for 3 months, ending June 30th. Specifications will be furnished on request.

BENICIA, Solano Co., Cal.—Until March 10, 11.45 A. M., bids will be received by Commanding Officer, Benicia Arsenal, under Proposal No. 58, for furnishing and delivering 1,782 ft. 1¾-in. and 230 ft. 1½-in. Navy Grade rope, machine laid in oil.

SAN FRANCISCO—Until March 10, 10 A. M., under Circular No. 22-42, bids will be received by Quartermaster Supply Officer, Fort Mason, for furnishing and delivering steel snatch blocks; copper sheets; sheet iron; chest locks; belt lacing; copper nails; brassnuts; packing; steel rivets; boiler tubes; turnbuckles; washers; brass and copper wire, etc., etc.

WASHINGTON, D. C.—Until March 6, 10.30 A. M., bids will be received by Panama Canal Commission, for furnishing and delivering Balboa, Pacific Port, under Circular No. 1472: locomotive wheels, iron and steel castings, ship ranges, iron or steel pipe, condenser tubes, water-closet tanks, water meters, steel filing cabinets, solid tires, inner tubes, scrub brushes, brooms, salt-water soap, metal polish, paper cups, varnish, ash and cypress lumber, and creosoted piles. Further information may be had from Assistant Purchasing Agent of Commission, Fort Mason, Calif.

HALLS AND SOCIETY BUILDINGS

BAKERSFIELD, Kern Co., Cal.—The following is a complete list of bids received by the Elks Lodge of Bakersfield for the construction of a four-story Class A steel and reinforced concrete lodge building. Meyer & Johnson, Bankers Investment Bldg., San Francisco, are the architects. Contracts will in all probability be awarded to the lowest bidders.

General Construction

Currie & Dulgar, Bakersfield	$176,000
Frederickson & Shannon, Fresno	180,800
R. McLeran & Co.	188,519
Lange & Bergstrom	193,000
Matthies & Gale	201,800
MacDonald & Kahn	210,000
Lindgren Co.	211,000

Structural Steel

Golden Gate Iron Works	34,244
Western Iron Works	35,490
McClintock-Marshall Co.	35,590
Pacific Rolling Mills	35,733
Schrader Iron Works	36,840
Ralston Iron Works	37,070
S. S. Herrick Co., Oakland	37,222
Llewellyn Iron Works, L. A.	$38,890
Judson Iron Works	39,535
Minneapolis Steel Mchy. Co.	40,664
U. S. Steel Products Co.	40,290
Baker Iron Works, L. A.	48,243

Plumbing

Frederick W. Snook Co, S. F.	17,165
Wm. J. Forester Co.	$17,980
Burnham Plumbing Co.	17,998
B. A. Newman, Fresno	19,515
Scott Company	20,643
Smetzer & Howard, Bakersfield	27,525

Heating and Ventilating

Burnham Plumbing Co.	25,899
Scott Company	$27,865
B. A. Newman, Fresno	28,409
James H. Pinkerton	29,629

Electrical Work

Globe Elec. Works, S. F.	5973
M. E. Ryan	6811
Decker Electrical Works	$7000
H. F. Haverkamp	7100
Browne-Langlais Elec. Co.	7390
G. W. Jasom	7485
H. C. Reed & Co.	7525
United Electric Co.	7738
H. H. Fenneman	7879

Painting

D. Zelinsky & Sons	$7970
R. Zelinsky	7942
Burnett & Chandler	8775
R. Pile	8871
H. Maundrell	9225
Dan Morrins	9873

Elevators—(1) Passenger; (2) Freight

Otis Elevator Co...(1)$5130; (2) $2745
Spencer Elevator Co. (1)$5759; (2)$2800

MODESTO, Stanislaus Co., Cal.—Time for opening bids for proposed Women's Improvement Club building postponed one week, due to inability of contractors to prepare bids on time. I. W. Marloe, % Hansen and Woods, Modesto, architects.

CHICO, Butte Co., Cal.—Great Oak Camp No. 136, Woodmen of the World, plans erection of modern lodge hall. Two architects have submitted preliminary drawings for the structure to be erected at 3rd and Normal Avenue. One plan provides for a five-story structure with the three upper floors devoted to dormitory use of students of the Chico State College, the two lower floors being given over to stores and lodge rooms. Another plan provides for a four-story building, the lower floor for stores, the second for lodge rooms and the upper floors for apartments. It is proposed to erect a structure costing between $85,000 and $90,000.

SAN FRANCISCO — San Francisco club women are planning the construction of a new building to cost approximately $150,000. Mrs. W. B. Hamilton, president of the City and County Federation of Women's Clubs, heads the movement.

VALLEJO, Solano Co., Cal.—The Hall Association of Samoset Tribe No. 22, Improved O. R. M., is planning construction of a modern building. Headquarters are now maintained on Georgia street.

Plans Being Prepared.
LODGE BUILDING Cost, $50,000
TAFT, Kern Co., Cal.
Two-story lodge building.
Owner—Masonic Lodge of Taft.
Architect—Orville L. Clark, Brower Bldg., Bakersfield.

HOTELS

Plans Being Prepared.
ALTERATIONS Cost, $30,000
STOCKTON, San Joaquin Co., Cal. N-Hunter Street.
Alter three-story brick building for store and hotel or offices (waterproof basement, etc.)
Owner—Morris Bros.
Architects—Wright & Satterlee, Bank of Italy Bldg., Stockton.

FULLERTON, Orange Co., Cal.—J. F. Kobler, 918 W. 8th St., Los Angeles, has been awarded the general contract at $118,365 for erecting new brick hotel building at Fullerton for Fullerton Community Hotel Co.; M. Eugene Durfee, Anaheim, and F. K. Benchley, Fullerton, architects. Plumbing was let to John McFadden, Santa Ana, at $14,700; electrical work to Martin & Walker, Fullerton, at $5200; painting to John McFadden, Santa Ana, at $6,750; and iron and steel work to Union Iron Works, Los Angeles, at $5,155. Bids for heating and elevators were held under advisement.

POWER PLANTS

Contracts Awarded.
SUB-STATION Cost, approximately $125,000.
EL CERRITO, Contra Costa Co., Cal.
Two-story reinforced concrete and steel sub-station.
Owner—Great Western Power Co., 14 Sansome St., San Francisco.
Architect—Engineering Department of owner.
General Contract to Barrett & Hilp, 918 Harrison St., San Francisco.
Steel to Pacific Rolling Mills, San Francisco.

SACRAMENTO, Cal.—City Commissioners contemplate construction of hydro-electric plant on the South Fork of the American river at Sayles Flat to furnish power and light for Camp Sacramento, owned by the city. It is also proposed to install a wireless telephone. Albert Givan, city engineer.

PUBLIC BUILDINGS

Contracts Awarded.
EXTENSION BLDGS Cost, $——
SACRAMENTO, Cal.
Two Class A Capitol Extension Buildings.
Owner—State of California.
Architects—Weeks & Day, Phelan Bldg., San Francisco.
Excavating work to Geo. Pollock Co., Sacramento, $18,440.
Steel and iron work to U. S. Steel Products, Rialto Bldg., S. F. $22,500
Brick work to W. G. Reed, $154,421.
Terra Cotta to Gladding, McBean, Crocker Bldg., San Francisco (a) $220,000.
Granite to McGilvray Raymond Co., 634 Townsend St., S. F. (a) $768,885.
Concrete and piling to K. E. Parker, Clunie Bldg., S. F. (1) $370,900.

Bids in and Under Advisement.
AQUARIUM Cost, $250,000
SAN FRANCISCO. Golden Gate Park.
Reinforced concrete and stone aquarium.
Owner—California Academy of Sciences, Gift of Ignatz Steinhart.
Architect—Louis P. Hobart, Crocker Bldg., San Francisco.
Mr. Hobart announces that bids are within the estimate and the construction will go ahead. The list of bidders cannot be given out at this time.

OAKLAND, Cal.—R. Zelinsky, 180 Jessie St., San Francisco, has been awarded a contract by the Board of Library Trustees of the City of Oakland for cleaning and painting the Oakland Free Library at 14th and Grove Sts. Contract price, $885.

BENICIA, Solano Co., Cal.—S. W. Johnson, at $2,654 submits low bid to city trustees for repairing city hall. Only other bidders were Fletcher and Warren of Vallejo, at $2,888. J. F. Oust at $555, submitted only bid for rewiring and installing light fixtures. Bids taken under advisement.

RESIDENCES

Plans Being Figured.
ALTERATIONS Cost, $15,000
ATHERTON, San Mateo Co., Cal.
Addition and extensive alterations to residence.
Owner—E. S. Heller.
Architect—Willis Polk Co., Hobart Bldg., San Francisco.
Figures are being taken for a general contract.

Contract Awarded on a Percentage Basis.
ALTERATIONS Cost, $22,000
PEBBLE BEACH, Santa Cruz Co., Cal.
Extensive alteration and additions to residence.
Owner—Col. John Poole.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
Contractor—Ruhl & Dawsett, Pebble Beach.

Contracts Awarded.
RESIDENCE Cost, $22,000
PIEDMONT, Alameda Co., Cal.
Two-story and basement frame and plaster residence (12 rooms and separate garage; French Rural architecture.
Owner—G. T. Henshaw.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.
Carpenter Work, Foundations, Etc. to M. E. Hooper & Son, 1117 Webster St., Oakland.
Plumbing to Carl T. Doell, 427 21st St., Oakland.
Grading to E. E. Armstrong, 3043 Magnolia, Oakland.

Contract Awarded.
RESIDENCE Cost, $17,000
BERKELEY, Alameda Co., Cal. Claremont District.
Two-story frame and plaster residence (8 rooms).
Owner—H. G. Peake, 2639 Channing Way, Berkeley.
Architect—W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley.
Contractor—Wm. A. Peterson, 318 Portland Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, $10,276
OAKLAND, Long Ridge.
Two-story frame and plaster residence and garage.
Owner—W. W. Patterson.
Architect—W. E. Shirmer, Thayer Bldg., Oakland.
Contractor—C. H. Warren, 2615 Derby St., Berkeley.

Plans Being Prepared.
RESIDENCE Cost, $10,000
BERKELEY, Alameda Co., Cal.
Two-story frame and plaster residence
Owner—Withheld.
Architect—Chas. W. McCall, Central Bank Bldg, Oakland.

Plans Being Prepared.
RESIDENCE Cost, $8,000
BERKELEY, Alameda Co., Cal.
Two-story frame and plaster residence
Owner—Withheld.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Plans Being Figured.
BUNGALOWS Cost, $5,000 each
SAN FRANCISCO. Vicinity of Lombard and Octavia Streets.

Two one-story 5-room frame bungalows.
Owner—Estate of P. Michelette.
Supervising Architect—August Headman, Call Bldg., San Francisco.
Figures are being taken for a general contract.

Plans Being Prepared.
RESIDENCE Cost, $15,000
BERKELEY, Alameda Co., Cal.
Two-story frame and plaster residence
Owner—Withheld.
Architect — Chas. W. McCall, Central Bank Bldg., Oakland.

Plans Being Figured.
RESIDENCE Cost, $25,000
PIEDMONT, Alameda Co., Cal.
Two-story frame and plaster residence.
Owner—Withheld.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Plans Being Figured.
RESIDENCE Cost, $12,000
SAN FRANCISCO. Forest Hill.
Two-story frame and plaster residence (9 rooms and garage).
Owner—Withheld.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $——
SAN FRANCISCO. Ingleside Terrace.
Two-story frame residence (6 rooms and garage).
Owners—B. and Alice Eastwood.
Supervising Architect — August G. Headman, Call Bldg., San Francisco.

Contracts Awarded.
RESIDENCE Cost, $18,000
SAN MATEO, San Mateo Co., Cal.
Two-story and basement frame and plaster residence (10 rooms and 3 bathrooms).
Owner—P. L. Bush, 39 13th St., San Mateo.
Architect—S. Heiman, 57 Post St., San Francisco.
General Contract to Cavanagh Bros., 180 Jessie St., San Francisco, $2745.
Excavating, Form Work, Concrete Work, Etc. to J. C. Baker, 515 2nd St., San Mateo, $825.
Plumbing, Etc. to Unit Builders and Edw. Ruedy, 1009 Bayswater St., Burlingame, $1059.

Plans Being Revised—New Figures To Be Taken In About a Week.
RESIDENCE Cost, $15,000
PALO ALTO, Santa Clara Co., Cal. University Avenue.
Two-story and basement frame and plaster 9-room residence and separate garage (Spanish Style).
Owner—Geo. H. Perine.
Architect—C. A. Muessdorffer, Humboldt Bank Bldg., San Francisco.

Figures Being Taken From a Selected List of General Contractors.
RESIDENCE Cost, $15,000
SAN FRANCISCO. Pacific Avenue
One-story and basement frame and brick veneer residence and separate garage (9 rooms and 3 bathrooms).
Owner—Withheld.
Architects—G. S. Ashley & A. J. Evers, 58 Sutter St., San Francisco.

Sketches Being Prepared.
RESIDENCE Cost, $30,000
SAN FRANCISCO. West Clay Park.
Two-story frame and plaster residence (about 10 rooms).
Owner—Withheld.
Architect—Louis M. Upton, 452 Montgomery St., San Francisco

Sketches Being Prepared.
RESIDENCE Cost, $25,000
BURLINGAME, San Mateo Co., Cal.
Two-story frame residence (plaster and ½ timber exterior)
Owner—Withheld.
Architect—Louis M. Upton, 452 Montgomery St., San Francisco

Contract Awarded.
RESIDENCE Cost, $——
San Francisco, St. Francis Wood Lot 2 Block 2.
Two-story and basement frame and stucco residence and separate garage (9 rooms and 3 bathrooms.)
Owner—Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.
Architect — Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $35,000 to $40,000
SAN FRANCISCO. West Clay Park.
Two-story, basement and attic concrete and frame residence, (about 12 rooms and basement garage for 3 machines).
Owner—Withheld.
Architect—Louis M. Upton, 452 Montgomery St., San Francisco.

SAN FRANCISCO—D. Lyle Ghirardelli has purchased a lot on the north side of Jackson street 77 feet east of Pierce and will erect a large residence.

SCHOOLS

Plans Being Figured—Bids Close Mar. 14, 4 P. M.
GYMNASIUM Cost, $140,000
BERKELEY, Alameda Co., Cal. Grove, Milvia Sts., Bancroft and Channing Ways.
Two-story reinforced concrete and brick gymnasium.
Owner—Berkeley City School District.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
See call for bids under official proposal section in this issue.

Plans Being Figured—Bids Close Mar. 22, 1922, 9 A. M.
PHYSICS BLDG. Cost, $——
BERKELEY, Alameda Co., Cal. University Grounds.
Two-story reinforced concrete Physics building (Le Conte Hall).
Owner—University of California.
Architect—John Galen Howard, 1st National Bank Bldg., San Francisco.
See call for bids under official proposal column.

Plans Being Figured—Bids Close Mar. 20, 1922, 8 P. M.
SCHOOL Cost, $140,000
GRASS VALLEY, Nevada Co., Cal.
Two-story reinforced concrete high school (18 rooms).
Owner—Grass Valley High School District.
Architect—Wm. Mooser & H. B. Simpson, associated, Nevada Bank Bldg, San Francisco.
See call for bids under official proposal section in this issue.

Plans Being Figured—Bids Close Mar. 14, 1922, 8 P. M.
ADDITION Cost, $——
TRACY, San Joaquin Co., Cal. West Park school.
One-story brick addition to school (6 rooms, assembly hall, manual training, domestic science and art rooms).
Owner—Tracy Grammar School District.
Architect—Wright & Satterlee, Bank of Italy Bldg., Stockton.
See call for bids under official proposal section in this issue.

Final Plans Approved—Bids to be Called for Shortly.
SCHOOL Cost, $400,000
SAN FRANCISCO. 22nd and Valencia Sts. (Horace Mann school).
Two-story reinforced concrete school building.
Owner—City and County of San Francisco.
Architect—John Reid, Jr., First National Bank Bldg., San Francisco.

Contracts Awarded.
EQUIPMENT FOR SCHOOL Cost, $—
PIEDMONT, Alameda Co., Cal.
Painting, shades, slate blackboards, cork linoleum, stage scenery and equipment, electric fixtures and steel lockers for high school.
Owner—Piedmont High School District (Mrs. H. Haas, Secretary).
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Painting to Craemer Bros., San Francisco, $6,965.
Linoleum to Wallace & Co., $32.40.
Slate Blackboards to Stewart Sales Co., San Francisco, $1,690.
Stage Equipment rejected; new bids to be called for.
Electric fixtures to Berkeley Elec. Co., Berkeley, $2,690.
Wireless Equipment to Atlantic Pacific Radio Supply Co., $2,476.70.

Commissioned to Prepare Plans.
SCHOOL Cost, $200,000
COLUSA, Colusa Co., Cal.
Fireproof high school building.
Owner—Colusa Union High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

Bids to be Asked Shortly.
SCHOOL Cost, $120,000
PARLIER, Fresno Co., Cal.
Two-story brick grammar school (15 classrooms and auditorium).
Owner—Parlier Grammar School District.
Architect—Swartz and Ryland, Rowell Bldg., Fresno.

Sub-contracts Awarded.
SCHOOL Cost, $250,000
PETALUMA, Sonoma Co., Cal.
Two-story and basement reinforced concrete and brick junior high school.
Owner—Petaluma School District.
Architect—Brainerd Jones, 110 Washington St., Petaluma.
Contractor—Ward & Jones, 180 Jessie St., San Francisco.
Electric Wiring to Mundell & Fulmer, Elec. Co., Santa Rosa.
Plumbing to Latourrette-Fical Co. of Sacramento.
Structural Steel to Schrader Iron Wks., San Francisco.
Ornamental Iron Work to Michael & Pfeffer, San Francisco.

Plans Being Prepared.
GYMNASIUM, ETC. Cost, $250,000
TAFT, Kern Co., Cal.
Frame, masonry and steel gymnasium with swimming pool, $150,000; masonry and frame addition to Domestic Science and Manual Arts building, $50,000; enlarge boys' and girls' toilets and rest rooms, $20,000 each; large steel frame and sheet iron garage and shop, $30,000.
Owner—Taft Union High School Dist.
Architect — Orville L. Clark, Brower Bldg., Bakersfield, Cal.

Plans Being Figured—Bids Close Mar. 13, 1922, 8 P. M.
SCHOOL Cost, $75,000
LONG BEACH, Cal. Linden Ave. bet. 15th and 16th Sts. (Roosevelt School).
Two-story 8-room hollow tile school, 118x61.
Owner—Long Beach Board of Education.
Architect—John C. Austin, Baker-Detwiler Bldg., Los Angeles and W. H. Austin, 1st National Bank Bldg., Long Beach.

Plans Being Figured—Bids Close April 10, 1922.
SCHOOL Cost, $100,000
LONG BEACH, Los Angeles Co., Cal. Fremont School Site.
Two-story brick grammar school.
Owner—Long Beach School District.
Architects—Parker O. Wright and Francis H. Gentry, Associated, 315 Marine Bank Bldg., Long Beach.

Contract Awarded.
ADDITION Cost, $11,644
NEW MONTEREY, Monterey Co., Cal.
Two-room frame and cement stucco addition to grammar school.
Owner — Monterey Grammar School District.
Architect—Paul V. Tuttle, 565 Lighthouse Ave., Pacific Grove.
Contractor—Marshall Dean, Pacific Grove.
Fred McCrary bid, $11,731.

Plans Being Prepared.
School Cost, $35,000
SAN JOSE, Santa Clara Co., Cal. Near San Jose.
One-story frame and plaster school.
Owner—San Martin School District (Ida M. Jordan, Wm. Ryar and R. H. Stewart, Trustees.)
Architect—W. H. Weeks, 369 Pine St., San Francisco.
A bond election will be held on March 24th.

Contract Awarded.
DWELLING Cost, $16,000
SACRAMENTO. Near W. P. Shops on Property of Union Ice Co.
One-story reinforced concrete artificial ice plant.
Owner—W. C. Phillips Co.
Architect—None.
Contractor — Daniel R. Wagner, Call Bldg., San Francisco.

Plans Being Figured—Bids Close Mar. 15, 1922, 9 A. M.
SCHOOL $72,000
SAWTELLE. Woodrow Wilson School Site.
Two-story brick school, 72x139.
Owner—Los Angeles Board of Education.
Architect—Wm. Earber.
Separate bids for general work, plumbing, heating, painting and electric wiring. Five classrooms, offices and auditorium. Plans and specifications may be obtained at Secretary's Office, 730 Security Bldg., Los Angeles.

Plans Being Prepared.
SCHOOL Cost, $40,000
DELANO, Kern Co., Cal.
One-story grammar school.
Owner—Delano Union Grammar School District.
Architect—Orville L. Clark, Brower Bldg., Bakersfield.

Commissioned to Prepare Plans.
SCHOOL BUILDINGS Cost, $500,000
SANTA BARBARA, Cal.
Group of fireproof high school buildings.
Owner—Santa Barbara High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

SAN FRANCISCO—The Board of Public Works requests supervisors to authorize construction of Andrew Jackson school in south side of Grove St. between Clayton and Cole Sts.

FRESNO, Fresno Co., Cal.—Paulsen & Stange, Fresno, submitted lowest bid to Board of Education to construct garage and bicycle shed at Fresno high school. All bids rejected and construction postponed indefinitely.

PASADENA, Los Angeles Co., Cal.—Wm. T. Loesch, 109 S. Chester Ave., Pasadena, was low bidder at $75,200 for erecting a one-story hollow tile addition to Thomas Jefferson Grammar School; Leon C. Brockway, 400 Chamber of Commerce Bldg., Pasadena, is the architect. The low bidders on other contracts were: South Pasadena Plumbing Co., at $4746 on plumbing; E. O. Nay Co., 186 E. Union St., at $7849 on heating; E. C. Harris & Co., 458 E Orange Grove Ave., on painting at $2837; H. L. Miller Co. submitted the only bid at $2163 on electric wiring. Eight classrooms, 8 special study and utility rooms, auditorium, 57x73 ft.; hollow tile walls, plaster exterior, tile roof.

TUSTIN, Orange Co., Cal.—W. E. Larkin, 231 Higgins Bldg., Los Angeles, was low bidder at $128,734, on the genral contract for erecting a new high school building at Tustin, Orange Co., for Tustin union high school district. Mott M. Marston, 535 I. W. Hellman Bldg., Los Angeles, architect. Low bidders on the other contracts were: Dale & Co., Santa Ana, on plumbing at $6245; Robertson Electric Co., Santa Ana, on electric wiring at $4245; Pac. Gas Radiator Co. on heating at $8325; John McFadden Co., Santa Ana, on painting at $5330; and International Time Recording Co. on program clock system at $1623. The building will contain 18 classrooms and an auditorium to seat 1000 people. Brick and concrete construction, 220x82 ft., plaster exterior, artificial stone trim, tile and composition roof, pine trim, reinforced concrete stairways and corridor floors, maple floors in classrooms.

BERKELEY, Alameda Co., Cal.—Until March 14, 4 P. M., bids will be received by Board of Education for furnishing: (1) 1,800 ft. cyclone wire fence or eq., at high school grounds; (2) 1,000 fencing at Le Conte school grounds. Specifications may be had from secretary, 2133 Allston Way, Berkeley.

CENTERVILLE, Alameda Co., Cal.—Country Club, an organization of women, advocate the erection of a new high school building. A citizens meeting will be held March 4th to discuss the proposal.

SAN JOSE, Santa Clara Co., Cal.—Until March 14, 7.30 P. M., bids will be received by Walter L. Bachrodt, secretary, Board of Education, for supplies and equipment for academic and vocational departments of high school. Specifications will be furnished on request.

GLENDORA, Los Angeles Co., Cal.—North Pacific Construction Co., 711 Pacific Finance Bldg., Los Angeles, has been awarded the general contract, at about $160,000, for the administration and auditorium buildings for Citrus union high school district, between Azusa and Glendora. Wopschall Bros., Pasadena, were awarded the general contract, at about $26,000, for the gymnasium building. The bids were in excess of the funds available and two of the proposed buildings have been omitted. John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles, and W. Horace Austin, Long Beach, associate architects.

WOODLAND, Yolo Co., Cal.—Campbell Construction Co., of Sacramento, at $11,380 awarded contract by Monument School District, Mrs. E. Bandy, clerk, for constructing 2-room brick school. Other bidders: Eben S. Barnes, Woodland, $12,470; Barton and Dudley, Sacramento, $15,650 and D. R. Wagner, San Francisco, $15,400.

PASADENA, Los Angeles Co., Cal.—W. L. Loesch, 107 S Chester St., Pasadena, has been awarded the general contract at $80,700 for the erection of the new Thomas Jefferson grammar school. Leon C. Brockway, 400 Chamber of Commerce Bldg., Pasadena, architect. Other contracts let were: South Pasadena Plumbing Co., plumbing at $4746; H. L. Miller Co., wiring, $2212; E. C. Harris & Co., painting, $2837, and E. O. Nay Co., steam heating, $7849.

LOS ANGELES, J. S. Metzger & Son, 559 Mission Road, Los Angeles, were low bidders at $24,590, on the general contract for new buildings at Indiana Development School site; H. M. Banfield, Bryson Bldg., Los Angeles, architect. The low bidders on other contracts were: E. W. Crowell on plumbing at $2149; Pacific Gas Radiator Co. on heating at $1329; F. B. Potter Electric Co. on wiring at $475; and R. E. Swan on painting at $2490. One-story 165x64 ft., 5 class rooms, laundry, addition to tin shop, 25x30 ft., bicycle room.

LONG BEACH, Los Angeles Co., Cal.—Architects John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles, and W. Horace Austin, Long Beach, associate, have completed plans for the new Benjamin Franklin Junior High School building at Long Beach, and bids will be advertised for shortly. Three buildings; main building, two stories, 24 classrooms; cafeteria and dining room building with three classrooms, 1 story; and a one-story shop building. Brick construction, selected common brick exterior, clay tile and composition roofing, pine trim, beech floors, reinforced concrete corridors and stairways. Cost, $200,000.

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SONOMA, Sonoma Co., Cal.—The Board of Trustees of the Sonoma Valley Union High School District received the following bids on February 25th, for the construction of a two-story reinforced concrete school building from plans prepared by Architect W. H. Weeks, 369 Pine St., San Francisco. The three lowest bids on the general contract and Scott Company's bid on the heating were taken under advisement for one week:

General Contract

P. M. Sanford, Richmond	$104,858
Cobby & Owsley, S. F.	106,900
Larsen & Siegrist, S. F.	108,777
Campbell Constr. Co., Sacto.	109,900
Lawton & Vezey, S. F.	114,353
M. C. Vaughn, Oakland	118,000
Barrett & Hilp, S. F.	119,365
Mahony Bros., S. F.	119,436
West Coast Constr. Co., S. F.	129,096

Heating

(1) Steam, (2) steam and oil burner, (3) split system, (4) split with oil burner.

Scott Co., (1) $7,790; (2) $800; (3) $12,275; (4) $828.
R. Dalziel, Jr., (1) $9,237; (2) $817; (3) ——; (4) ——.
Lattourrette-Fical Co., (1) $9,450; (2) $900; (3) $15,092; (4) $1,025.
Luppen, Hawley & Thing, (1) $9,524; (2) $669; (3) $14,666; (4) $747.
Thos. Kennedy, (1) $10,154; (2) $812; (3) ——; (4) ——.

OAKLAND, Cal.—The following bids were received on February 27th, by the Oakland Board of Education, for the construction of the Alexander Hamilton school, to be located at Galinde St. and 35th Ave. All bids were taken under advisement: (1) carpentry work, excavation and concrete work, miscellaneous iron, sheet metal, built-up roofing and tile roofing:

		Steel Shop
M. C. Vaughn, 357 12th St., Oakland	$110,000	$115,000
M. E. Hooper & Son	114,800	117,300
Schnebly & Hostraw-Lawton & Vezey	118,300	124,000
G. P. W. Jensen	121,200	123,120
West Coast Const.	121,249	add 1,302
R. W. Littlefield	122,249	123,300
Schuller & McDonald	127,770	add 2,800
ser	127,967	133,324

Brick Work

Mealey & Collins, 180 Jessie St, San Francisco	$12,890
White & Gloor	12,895
Herbert Beckwith	13,323
Schuller & McDonald	14,497
Harold Larsen	14,800
W. C. Marshall	17,800

Plastering

		Steel Shop
Geo. Dixon	$21,487	$20,337
Wm. Makin	21,600	deduct 1,173
T. E. Sexton	22,750	21,250

Painting

		Steel Shop
R. Zelinsky	$6,572	——
D. Zelinsky	$7,700	7,200
C. Swanson	$,244	——

Yard Work

T. C. Moore & McLeran	$15,000

Plumbing

A. Feldhammer, 1004 Park St., Alameda	$15,500	——
Scott Co.	15,794	——
J. E. O'Mara	18,300	18,400

Heating and Ventilating

Scott Co.	$19,970	$20,200
J. Picard	20,267	20,147

Electrical Work

Turner Co., 272 Natoma St., S. F.	$21,800	——
Newbery Elec. Co.	22,270	——
NePage-McKinney	22,422	——
Watts Elec. Co.	22,900	23,000
Roberts Mfg. Co.	22,925	23,000
M. E. Ryan	22,940	23,140
Spencer Elec. Co.	23,120	——
King Elec. Co.	23,206	——
Cal. Elec. Const. Co.	23,216	——
Advance Elec. Co.	23,874	23,998
Standard Elec. Co.	24,000	——

(Continued on Page 18)

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

EUREKA, Humboldt Co., Cal.—Until March 14, 2 P. M., bids will be received by Fred M. Kay, county clerk, to construct draw bridge across Mad River slough, Road District No. 5. A. J. Logan, county surveyor.

STOCKTON, San Joaquin Co., Cal.—County Surveyor F. E. Quail, preparing specifications for 9 bridges on Jack Tone road near Burnham, to be 8-ft. x 12-ft. x 15-ft. slabs, involving 767.4 cu. yds. concrete; 30.7 tons reinforced steel; estimated cost, $16,870.

Specifications being prepared for concrete bridge on West Lane at Diversion Canal, involving approximately 300 cu. yds. concrete; 27 tons reinforced steel; estimated cost, $15,000.

CALIFORNIA—Lindstrom and Fergensen, Worcester Bldg., Portland, Ore., at $54,899, awarded contract by U. S. Bureau of Public Roads, Mills Bldg., San Francisco, for constructing Klamath River bridge, about 23 miles from Happy Camp, Siskiyou County. Structure will be 310-ft. span with plank floor; concrete abutments, involving 245 tons structural steel! 102 cu. yds. class A concrete and 39 M. B. M. of lumber.

OAKLAND, Cal.—City will commence dredging operations immediately in new channel on Western waterfront. The channel will be 600-ft. wide to deep water, the first unit 200-ft. wide. Work to be done with city equipment. Ralph Beebee, harbor engineer.

WALLA WALLA, Wash.—Until March 28, bids will be received by City Council for constructing rein. conc. reservoir, conc. lined, to be constructed in balance cut and fill on gravel base; 15,000,000 gals. capacity. Project includes connecting reservoir with present supply conduit and with discharge conduit, etc. Ernest B. Hussey, Alaska Bldg., Seattle, Wash., engineer.

PHOENIX, Ariz.—The bridge department of the state highway commission is preparing plans for a 160-ft. bridge over Hell's canyon on the road between Prescott and Ash Fork. It is being designed in concrete but alternate designs of steel will be considered. Plans are being prepared for a 133-ft. steel bridge across Kirkland Wash for Yavapai County highway commission. It will be a single span. Plans are also being prepared for a bridge across Lynx Creek on the road to Dewey, 8 miles from Prescott.

IRRIGATION PROJECTS

LIVE OAK, Sutter Co., Cal.—Until March 4, 2 P. M., bids will be received by E. R. Hauck, secretary of Reclamation District No. 2054, for excavation of approximately 380,000 cu. yds. of earth, being for drainage ditches and canals in district. Certified check $1,000, payable to trustees of district required with each bid. Polk and Robinson, Chico, engineers.

CHICO, Butte Co., Cal.—Land owners of northern Butte county are planning the formation of an irrigation district. Preliminary report prepared by Engineer J. A. Harnish.

HELENA, Montana—State Public Service Commission approves proposed works of Silver Lake Irrigation District to irrigate more than 10,000 acres. Approximate cost of works, $865,000.

TALENT, Ore.—Until March 14, 10 A. M., bids will be received by Louis Brown, Secretary Talent Irrigation District, for constructing 18.3 miles of canals involving 97,000 cu. yds. excavation and for constructing Hyatt Prairie Dam, earth embankment, involving 72,000 cu. yds. Estimated cost, $160,000. F. E. Dillard, district engineer, Talent, Ore.

LIGHTING SYSTEMS

CHICO, Butte Co., Cal.—Due to protests, City Trustees decide to abandon proceedings to extend electrolier system from present system to the Junction.

SAN LEANDRO, Alameda Co., Cal.—Trustees approve plans to install 12 electroliers in Estudillo Ave.; estimated cost, $1,200. R. H. Goodwin, city engineer.

SACRAMENTO, Cal.—City Engineer Albert Givan, completes specifications to install 22 single concrete standard electroliers (equal to Marbelite No. 700) to be installed in Lighting District No. 10.

GLENDALE, Cal.—Until 7 P. M., Mar. 9, bids will be received by City Clerk Van Wie, City Hall, for constructing ornamental lighting system, involving 16 cast iron 5-light standards, conduits and necessary wiring, on Colorado Blvd. between Brand Blvd. and Central Ave., according to plans and specifications on file in office of city clerk. Certified check or bond of 10%. Imp. Act 1911.

TAFT, Kern Co., Cal.—City Trustees plan installation of electroliers in Fourth, North Fifth and a portion of Center streets. Edw. M. Lynch, city engineer.

MACHINERY

SAN FRANCISCO—Until April 12, 3 P. M., bids will be received by Board of Public Works, for furnishing and delivering under Contract No. 79—Hetch Hetchy Water Supply Project: Water wheels and valves for Moccasin Creek power plant. Bids will be taken under Section A: Water Wheel Units: 2, 3 or 4 25,000 h. p. double overhung impulse water wheel units, each to drive a 20,000 kv-a electric generator.

Under Section B: Valves 4, 6 or 8, 36-in. valves—2 for each water wheel unit.

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NOTE—A single contract may be awarded covering both the water wheel units and the 36-in. Valves or a contract may be awarded for water wheel units and another for vales.

Plans may be had from City Engineer M. M. O'Shaughnessy, 3rd floor, City Hall.

SAN FRANCISCO—Until April 12, 3 P. M., bids will be received by Board of Public Works under Contract No. 180, Hetch Hetchy Water Supply Project, for furnishing and delivering electric generators and accessory equipment for the Moccasin Creek Power Plant:

Two 20,000 kv-a, electric generators, each with a direct connected exciter, also with one independent motor generator exciter set ((Provision is made to increase number of electric units to 3 or 4 within a period of 6 months). Each of the main electric generator units will be driven by two 12,500 H. P. water wheels overhung on the generator shaft. The shaft, the extension for the exciter, and the bearings, will be furnished with water wheels, under a separate contract.

Plans may be had from City Engineer M. M. O'Shaughnessy, 3rd floor, City Hall.

PALO ALTO, Santa Clara Co., Cal.—City Council contemplates purchase of tractor for use in 1922 street improvement program. Frank Kasson is city clerk.

EUREKA, Humboldt Co., Cal.—Until March 2, bids will be received by John Griffith, Superintendent of Public Works, for 10,000 pounds of Standard Lump Sulphate of Alumina to contain not less than 17¼ per cent. A. L. 203 aluminum oxide and not more than ½ of 1 per cent iron in bags of 250 pounds each paper lined F. O. B. Dock, San Francisco.

OAKLAND, Cal.—Until March 2, 12 noon, bids will be received by Eugene K. Sturgis, city clerk, for furnishing and delivering shovels as required by city for balance of fiscal year ending June 30, 1922.

FRESNO, Fresno Co., Cal.—Western Pipe and Steel Co., 444 Market St., San Francisco, at approximately $14,000, awarded contract by Minerets and Western Railroad to furnish steel culvert pipe to be used in connection with railroad improvements. T. L. Russell, 1514 H St., Fresno, chief engineer.

PORTLAND, Ore.—County Commissioners will receive bids up to March 8, 10.30 A. M., for furnishing and delivering 60 H. P. track laying tractor and one 2-ton truck.

FALLON, Nevada—Until March 28, 7 P. M., bids will be received by Grace Wildes, City Clerk, for constructing additional pumping plant for municipal water system. **See call for bids under official proposal section in this issue.**

RAILROADS

SAN FRANCISCO—Until March 29, 3 P. M., bids will be received by Board of Public Works, for furnishing and delivering, under Section A, Contract No. 125, Municipal Railway System, street car bodies; bond of $20,000 required of successful bidder.

Separate bids, same date, for furnishing and delivering under Section B, Contract No. 125, street car trucks.

bond of $5,000 required of successful bidder.

Separate bids same date, under Sec. C, Contract No. 125: for furnishing and delivering motor equipment; bond of $12,500 required of successful bidder.

Separate bids, same date, under Sec. D, Contract No. 125: for furnishing and delivering street car air brake equipment; bond of $2,000 required of successful bidder.

Specifications may be had from city engineer's office, 3rd floor, city hall.

LOS ANGELES, Cal.—Until Mar. 15, bids will be received by the Union Pacific Ry. Co., Pacific Electric Bldg., for grading about twelve miles of roadbed for new railway line from mile post 3 to mile post 15, from Whittier to Santa Fe crossing at Fullerton. Work will include a small amount of drainage, culverts, curbing and paving.

FRESNO, Fresno Co., Cal.—Southern Pacific making surveys for branch line of Fresno Traction Co., to the site of the Sugar Pine mill, 7 miles north of Fresno.

LOS ANGELES, Cal.—C. A. Fellows, Central Bldg., Los Angeles, awarded contract to construct approximately 75 miles of main line railway track in Ariz., from Yampai east, for the Santa Fe Ry. Co., as part of its program for double tracking its entire line. The work will also include a number of additional miles of track for sidings, bridges, culverts, fencings, drainage, track laying, etc. Cost, $8,000,000.

OAKLAND, Cal.—Geo. Mattis, former city engineer of Oakland, has been employed by the San Francisco-Oakland Terminal Railways to survey and value all the property of the company.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

CALIFORNIA—Connors and Hansen, Santa Rosa, at $274,994, awarded contract by State Highway Commission to pave with asphaltic macadam 17.3 miles between Forsythe and Outlet Creeks in Mendocino county.

Rhodes and Prince, Hilt, Cal., at $195,890, awarded contract to grade 16.8 miles in Santa Clara county between San Felipe and easterly boundary.

J. A. Costello, 1083 Shotwell St., San Francisco, at $22,600, awarded contract to pave one mile with asphaltic concrete between King City and south side of Salinas river and one-half mile on Salinas river bridge to the paved with asphalt concrete surfacing. Austin B. Fletcher, state highway engineer.

FRESNO, Fresno Co., Cal.—Fredericksen & Shannon, Cory Bldg., Fresno, at approximately 2,375, submits low bid to council to improve alley between Forthcamp and Yosemite, Mildreda and Sumner Sts., involving 9,500 sq. ft. grading; 9500 sq. ft. 5-in. concrete pavement. Wm. Stranahan, city engineer.

FRESNO, Fresno Co., Cal.—N. M. Ball, Porterville, at $48,303, awarded contract by supervisors for constructing 5.2 miles of macadam highway on Centerville-Dunlop road, involving 7,040 cu. yds. grading and 14,350 tons of gravel Other bidders: Englehart Paving and Construction Co., Eureka, $49,946; W. A. Kettlewell & Sons, Kingsburg, $50,740.

Thompson Bros., G. and Divisadero Sts., only bidders at $2,230.60, awarded contract to pave in Liberty Cemetery, involving 10,700 sq. ft. asphaltic concrete pavement 1½-in. base and 1,655 sq. ft. 4-in. macadam walk. Chris. P. Jensen, county surveyor.

FRESNO, Fresno Co., Cal.—Until March 9, 3 P. M., bids will be received by council to construct 366 lin. ft. 6-in vitrified clay pipe sewer, 2 manholes and 48 wye branches in Bolck 12, Grand Ave. Wm. Stranahan, city engineer.

LONG BEACH, Cal.—City Council adopted resolution of intention on Feb. 14, for 5-in. concrete paving and constructing cement curb, sidewalk, gutter, corrugated iron and concrete culverts, and vitrified pipe sewer in Esther St. between Atlantic and California Aves. and a portion of Lime Ave. Also for 6-in. concrete paving with bitum. coat, constructing cement curb, gutter and sidewalk and concrete and corrugated iron culverts in 10th St. from Cherry Ave. to Loma Ave. and in portions of other streets.

TUCSON, Ariz.—City Engineer G. H. Atchley, has prepared plans for improving portion of Speedway from Stone Ave. to Campbell Ave., 8600 ft. in length and 36 ft. wide, 2½-in. bituminous base with 1½-in. bitulithic surface, curbs and gutters; also paving 6th St. from Stone Ave. to Campbell Ave., and 3,000 sq. yds. of paving on Toole and Alameda St. between Stone Ave. and 6th Ave., and 3,000 ft. of curb; estimated cost, $275,000.

FRESNO, Fresno Co., Cal.—Thompson Bros., G and Divisadero Sts., Fresno, at $10,321, awarded contract by council to improve Roosevelt Ave. between Pine and McKinley Sts., involving 49,700 sq. ft. grading; 29,820 sq. ft. 5-in. concrete pavement; 1657 lin. ft. concrete curbs; 8283 sq. ft. artificial stone sidewalks. Wm. Stranahan, city engineer.

SAN JOSE, Santa Clara Co., Cal.—Council declares intention to improve William St. between 13th and 16th; grading, paving with 3-in. asphaltic concrete base with 1½-in. Warrenite surface, concrete curbs and gutters, 3 brick catchbasins and 8-in. vitrified pipe drains.

Intention declared to improve William St. between 10th and line distant 215.68 ft. east of 12th St.; grading, paving with 3-in. asphaltic concrete base with 1½-in. Warenite surface; concrete curbs and gutters; 3 brick catchbasins and 8-in. vitrified pipe drains.

Intention declared to improve 17th St. between Empire and Rosa Sts.; grading; paving with 3½-in. asphaltic concrete base with 2-in. Warrenite surface; asphaltic concrete headers; concrete curbs and gutters; 8 brick catchbasins and 8-in. vitrified pipe drains. Wm. Popp, city engineer.

PALO ALTO, Santa Clara Co., Cal.—City Engineer J. F. Byxbee, Jr., completes specifications to grade and pave with 4½-in. hydraulic cement pavement, portions of the following streets: Alma, 112,079 sq. ft., $20,821.17; Webster, 168,480 sq. ft., $32,553.90; Gilman, 12,000 sq. ft., $2,184; Scott, 12,000 sq. ft., $2,134; Forester, 60,016 sq. ft., $12,793.12; Addison, 138,436 sq. ft., $27,004.40; Lincoln, 105,182 sq. ft., $20,206.65; Emerson, 25,000 sq. ft., $4,000; Cowper, 35,000 sq. ft., $7,000.

BAKERSFEILD, Kern Co., Cal.—Until March 13, 10 A. M., bids will be received by F. E. Smith, county clerk, for constructing highway fence along Road No. 479.

MARYSVILLE, Yuba Co., Cal.—City Council declares intention to improve 1st St. between D and B; B and C Sts., 1st to 2nd; Willow St., 3rd to 8th; Elm and Oak Sts., 1st to 7th, and Maple St. between 1st and 8th; D St., 5th to 9th; 5th St., D to B, and 6th St., C to A. W. M. Meek, city engineer.

SACRAMENTO, Cal.—The California Highway Commission received the following bids on February 27th, for highway improvements as follows:

Monterey County, between San Lucas and 2¾ miles east of Long Valley School (V-Mon-10-A), about eleven (11.0) miles in length to be graded; (1) corrugated metal pipe, (2) concrete pipe:

Redmond Page Co., San Francisco, (1) $97,049.25; (2) $101,483.50.

W. A. Dontanville, Hollister, (1) $143,927.10; (2) $147,280.

Blumenkranz & Bernon, Stockton, (1) $160,499; (2) $166,812.50.

Sherer & Crowley, Los Angeles, (1) $169,616.60; (2) $173,968.85.

Bates & Borland, Oakland, (1) $176,305.75; (2) $181,213.50.

Bates & Rogers, Spokane, (1) $188,457.75; (2) $195,125.

W. H. Kettlewell & Son, Kingsburg, (1) $214,681.75; (2) $217,709.

Engineer's estimated, (1) $130,145.75; (2) $133,849.50.

LODI, San Joaquin Co., Cal.—Until March 20, bids will be received by City Trustees, to improve Central Ave. between Railroad Ave. and south city limits, involving 147,875 sq. ft. 2½-in. asphaltic concrete base with 1½-in. Warrenite surface paving; 161,855 sq. ft. grading; 7,700 lin. ft. hydraulic concrete curbs; and 8,625 sq. ft. hydraulic concrete gutters; estimated cost, $37,200.

Separate bids, same date, to improve Hilborn St. from Stockton Ave. to east city limits, involving 98,375 sq ft. 2½-in. asphaltic concrete base with 1½-in. Warrenite surface paving; 103,485 sq. ft. grading; 4,740 lin. ft. hydraulic concrete curbs, and 5,925 sq. ft hydraulic concrete gutters; estimated cost, $23,752.

Separate bids, same date, to improve Daisy Ave. between Church St. and west city limits, involving 46,875 sq ft. 2½-in. asphaltic concrete base with 1½-in. Warrenite surface; 51,250 sq. ft. grading; 2,500 lin ft. hydraulic concrete curbs and 3,125 sq. ft. hydraulic concrete gutters; estimated cost, $11,728. L. F. Barzellotti, city engineer.

SANTA BARBARA, Cal.—City Council declares intention to construct vitrified and cast iron pipe sewers and cast iron water mains in portions of Hollister Ave., Lacey Ave. and Arden Road.

LOS ANGELES, Cal.—Wm. Liddington awarded contract to improve 8th St. from Western Ave. to Bronson Ave. at 2.5c grading, 22.9c concrete paving, 65c cement curb, $1.15 house connection sewers; total, $31,122.14.

LODI, San Joaquin Co., Cal.—City Engineer L. F. Barzellotti preparing specifications to improve portion of West Locust St., involving 42,000 sq ft. 2½-in. asphaltic concrete base with 1½-in. Warrenite surface pavement; 45,374 sq. ft. grading; 1,928 lin ft. hydraulic concrete curbs and 2,410 sq. ft. hydraulic concrete gutters; estimated cost, $10,268.

HERMOSA BEACH, Cal.—Trustees declare intention to improve 30th Pl., 30th St. to 31st St., 31st Pl., 32nd Pl., and Morningside Drive, with 4-in and 5-in. concrete paving, ornamental lighting system, etc. Victor H. Stahele, city engineer.

SAN DIEGO, Cal.—B. B. Boyd awarded contract at $15,190 for constructing sanitary sewer system in Carleton St., Byron St., Addison St., Canon St., Shafter St. and Rosecrans St.

BAKERSFIELD, Kern Co., Cal.—Until March 13, 5 P. M., bids will be received by V. Van Riper, city clerk, to lay approximately 21,360 sq. ft. 5-in. concrete pavement in various alleys. Improvement Act 1911 and Bond Act 1915. W. D. Clarke, city engineer.

POMONA, Cal.—City Engineer instructed to prepare plans for installing lateral sewers in city streets before paving is done. The streets on which laterals will be laid are: Orange Grove from Park to Wisconsin; Kenoak and Park Drives; Preciado St. from Park Ave. to Ganesha Park; and Walnut St. from Garey to Park.

BISHOP, Inyo Co., Cal.—Trustees postpone action on paving ¾ of a mile of Main street for six months. B. E. Sherwin, town engineer.

HERMOSA BEACH, Cal.—Trustees declare intention to improve 2nd, 3rd, 4th 5th, 6th, 7th, 8th, 9th and 10th St. from Hermosa Ave. to Strand Ave.; and also 5 alleys; to be paved with 6-in concrete with oil and screenings surface, 4-in. cement walks with curbs and reinforced concrete combination curb and gutter; $90,000.

AVALON, Cal.—Until 1.30 P. M., Mar. 10, bids will be received by city clerk for furnishing pipe, valves, special castings, centrifugal pump, motors, appurtenances for improvements to the municipal water system. Certified check for 2% or bond for 10% required. F. M. Tidball, city clerk.

CALIFORNIA—Wm. Vander Hellen, Eagle Point, Ore., at $39,414, awarded contract by U. S. Bureau of Public Roads, mills Bldg., San Francisco, for constructing Klamath River road, Tee-Bar Section, approximately 3.4 miles, involving 145 sta. clearing; 40,000 cu. yds. unclassified excavation; 2,640 sq. ft. log cribbing; 335 lin. ft. timber bridging and 1,622 lin. ft. corrugated metal pipe culverts.

SACRAMENTO, Cal.—City Engineer Albert Givan, completes specifications to improve 7th Ave. between Riverside Boul., and point 1029 ft. westerly, involving 2,118 lin. ft. combination concrete curbs and gutter; 4 cast iron gutter drains; 1,114 lin. ft. 8-in. and 463 lin. ft. 6-in. vitrified sewer pipe; 25 ¾-in. water service connections; 986 cu. yds. excavation; 7 cu. yds. fill; and 22,339 sq. ft. asphaltic concrete pavement.

Specifications completed to improve alley between L and M, 2nd and 3rd Sts., involving 80 lin. ft. concrete retaining wall; 51 cu. yds. excavation; 14 cu. yds. fill and 6,440 sq. ft. hydraulic concrete pavement 5½-in. thick.

Specifications completed to improve 31st St. between T and Y, involving 3,129 lin. ft. combination concrete curb and gutter; 366 lin. ft. concrete curb; 47 lin. ft. 8-in. and 362 lin. ft. 6-in. vitrified sewer pipe; 15 cast iron gutter drains; constructing 2 and reconstructing 7 concrete manholes; 7,777 sq. yds. grading; 70,000 sq. ft. asphaltic concrete pavement.

Specifications completed to improve 31st St. between J and P Sts., involving 4,453 lin. ft. combination concrete curb and gutter; 220 lin. ft. concrete curb; 370 lin. ft. 6-in. vitrified pipe sewer; 13 cast iron gutter drains; reconstructing 4 concrete manholes; 25 lin. ft. concrete for pipe covering; 10,431 sq. yds. grading; 93,880 sq. ft. asphaltic concrete pavement.

Specifications completed to improve 26th St. between Y and Highland Park, involving 2,680 lin.. ft. combination concrete curb and gutter; 525 lin. ft. concrete curb; reconstructing 6 concrete manholes; 15 cast iron gutter drains; 171 lin. ft. 8-in. and 435 lin. ft. 6-in. vitrified sewer pipe; 4,999 sq. yds. grading; 44,990 sq. ft. asphaltic concrete pavement.

OAKLAND, Cal.—Until March 20, 10 A. M., bids will be received by Geo. E. Gross, county clerk, for constructing wire fabric fence and appurtenances on Foothill Blvd., fronting the Alameda county infirmary near San Leandro.

REEDLEY, Fresno Co., Cal.—Woltz and Vetter, Dinuba, at $10,078, awarded contract by Reedley High School District to construct running track and grandstand on school grounds. F. F. Wall, Reedley, next low bidder at $11,100.

SAN FRANCISCO—Jas. M. Smith, 407 11th St., at $10,617, awarded contract by Board of Public Works to improve Key Ave. between Railroad and Jennings Aves., involving 3537 cu. yds. cut; 769 lin. ft. concrete curbs; 9221 sq. ft. concrete and 3688 sq. ft. asphaltic concrete pavement; 5229 sq. ft. artificial stone sidewalks; 3 catchbasins; 77 lin. ft. 10-in culverts and 3 concrete stairs.

Pacific States Construction Co., Call Bldg., at $8,227, awarded contract to improve Cabrillo St. between 33rd and 34th Aves., involving 2580 cu. yds. cut; 3 brick catchbasins; 105 lin. ft. 10-in. culverts, 1 brick manhole; 220 lin. ft. 8-in. sewer; 15 wye branches; 574 lin. ft. concrete curbs, 16,893 sq. ft. asphaltic concrete pavement and 660 sq. ft. artificial stone sidewalks.

J. A. Ducray awarded contract at $231.66, for constructing 1188 sq. ft. artificial stone sidewalks in Andover St. between Ogden and Tompkins.

RENO, Nevada—Council petitioned to pave Lake St. 46-ft. wide. Referred to City Engineer Harry Chism.

RICHMOND, Contra Costa Co., Cal.—Council orders improvement of streets in San Pablo Villa tract consisting of lateral sewers, garding 24-ft. wide, paving with 5-in. asphaltic concrete 16-ft. wide, concrete curbs and gutters. H. D. Chapman, city engineer.

FILLMORE, Cal.—The city trustees have determined upon a street improvement program which includes paving five principal streets and constructing sidewalk and curb on a number of other streets.

OAKLAND, Cal.—Hutchinson Co., 1706 Broadway, Oakland, awarded contract by council to improve Walnut St., bet. 90th and 96th avenues, involving 37,793 sq. ft. grading, $.0311; 1,314 lin. ft. conc. curb, $0.75; 2,728 sq. ft. conc. gutters, $.24; 18,318 sq. ft. oil macadam pavement, $.135; cement sidewalks, $.16 sq. ft. Geo. Mattis, city engineer.

BERKELEY, Alameda Co., Cal.—Council, E. H. Hann, city clerk, declares intention to construct 6-in. vitrified pipe sewer in portion of Allston Way, brick manholes, lampholes, etc. Imp. Act 1911. Protests March 14. C. L. Huggins, city engineer.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy ,completes specification to improve Gilroy St. between Ingerson and Jamestown, estimated cost, $3,000, involving 480 lin. ft. 12-in. and 140 lin. ft. 8-in. vitrified sewer; 6 8-in. and 25 12-in. wye branches; 5 brick manholes and 2 lampholes.

LOS ANGELES, Cal.—J. G. Beckjord, 718 San Fernando Bldg., Los Angeles, low bidder at $22,800 for improving streets in Road Imp. Dist. No. 195 involving 7610 cu. yds. excavation, 7140 lin. ft. shaping roadbed, 13,957 lin. ft. curb, 54,466 sq. ft. cement sidewalks, 2155 sq. ft. concrete gutter.

SAN FRANCISCO — Healy-Tibbitts Construction Co., 9 Main St., at $5,882, submits low bid to Board of Public Works, for constructing Third Street sewer extension, involving 186 lin. ft. 2-ft. by 6-in. by 3 ft. x 9-in. reinforced concrete sewer; 186 lin. tf. 8-in. underdrain; 3 manholes and 1100 lin. ft. piles. Cowden-Broderick Co. bid $6,372.

Fay Imp. Co., Phelan Bldg., at $11,969, low bidder to improve Hanover St. between Guttenberg and Lowell, involving 3973 cu. yds. cut; 160 cu. yds. fill; 1340 lin. ft. concrete curbs; 660 sq. ft. artificial stone sidewalks; 2 brick catchbasins; 45 lin. ft. 10-in. vitrified culvert; 21,579 sq. ft. asphaltic concrete pavement. Other bidders: C. B. Eaton, $12,661; State Imp. Co., $12,173.

Frank J. McHugh, 174 17th St., at $10,383, low bidder to improve Balboa St. between 23rd and 24th Aves., involving 5215 cu. yds. cut; 480 lin. ft. concrete curbs; 220 lin. ft. 8-in. vitrified side sewers; 5 8-in. wye branches; 2 brick manholes, 2880 sq. ft. artificial stone sidewalks; 3360 sq. ft. vertical fiber brick pavement and 8640 sq. ft. asphaltic concrete pavement. Other bidders: State Imp. Co., $10,886; Fay Imp. Co., $10,938.

John Brady, at $875, low bidder to construct 1450 sq. ft. concrete pavement with wheel guards and 210 sq. ft. concrete pavement without wheel guards in Eliza St. from Folsom St., southerly. Other bidders: Jas. McElroy, $1,163; Jas. Tobin, $1,032.

P. Sanfilippo, at $636, low bidder to construct 3800 sq. ft. artificial stone sidewalks in Winfield Ave. between Virginia and Esmeralda. Other bidders: J. A. Du Cray, $760, Jas. Tobin, $798, John Brady, $646.

PHOENIX, Ariz. — Twohy Bros., Phoenix, low bidders on concrete paving for completing highway system in Maricopa county, Arizona, at $2.31 for 6-in. paving 18 ft. wide, $2.02 for 5-in. 18 ft. wide; $2.33 for 6-in. 16 ft. wide; $2.04 for 5-in. 16 ft. wide. California Construction Co. Fresno, was low bidder on asphaltic concrete paving at $2 for 6-in. 18 ft. wide; $1.7492 for 5-in. 18 ft. wide; $2.0688 for 6-in. 16 ft. wide; $1.8573 for 5-in. 16 ft. wide. Bids under consideration by the highway commission.

RICHMOND, Contra Costa Co., Cal.—City Engineer H. D. Chapman, completes specifications to improve Lincoln and McBryde Aves.; estimated cost, $59,000, involving 5,000 cu. yds. cut; 50,000 sq. ft. 4-in. asphaltic concrete paving; 60,000 sq. ft. concrete sidewalks; 12,000 lin. ft. concrete curbs; 12,000 sq. ft. concrete gutters and 5,000 lin. ft. 6-in. lateral sewers. Imp. Act 1911. A. C. Faris, city clerk.

SANTA CRUZ, Santa Cruz Co., Cal.—Until March 16, 2 P. M., bids will be received by supervisors for constructing Ben Lomond to Boulder creek unit of highway system, involving 8,800 cu. yds. excavation; 4215 cu. yds. concrete pavement or 303,462 sq. ft. oil macadam pavement.

Separate bids, same date, to construct Watsonville-Chittenden road, involving 10,100 cu. yds. excavation; 5,120 cu. yds. concrete pavement or 373,450 sq. ft. oil macadam pavement. Lloyd Bowman, county surveyor. **See call for bids under official proposal section in this issue.**

PHOENIX, Ariz.—Until Mar. 10, bids will be received by state engineer for grading four miles of road north of Prescott, known as Federal-aid Project No. 36.

BAKERSFIELD, Kern Co., Cal.—til March 20, 5 P. M., bids will be received by V. Van Riper, city clerk, to improve Kentucky St. between Baker and Gage Sts., involving 1670 sq. ft. 3½-in. asphaltic concrete pavement with 1½-in. Warrenite surface; 614 sq. ft. concrete gutters and 324 lin. ft. cement concrete culverts. W. D. Clarke, city engineer.

BERKELEY, Alameda Co., Cal.—Berkeley Chamber of Commerce and City Planning Commission urges improvement of Grove St., in downtown district with plans for ultimate widening of the street. C. L. Huggins, city engineer.

ESCONDIDO, Cal.—Wells & Bressler, 3 California Bank Bldg., Santa Ana, awarded contract at $60,388.36 for paving half the width of Grant Ave. north of Escondido, involving 1722 yds. excavating, 1472 yds. embankment, 985 cu. yds. concrete paving, 866 lbs. reinforced steel, and 8 culverts.

BUSINESS OPPORTUNITIES

Amphlett & Howell, Union Bank Bldg., Victoria, B. C., desires to dispose of a deposit of fine moulding sand suitable for malleable iron and brass casting.

L. C. Williams, Potter Valley, Cal., desires to get in communication with firms dealing in windmills and towers.

Clay Thomas, 819 E Dale street, Colorado Springs, Colo., desires to communicate with San Francisco firms handling heavy duty trucks with front wheel drive.

C. Marker, Valmy, Nevada, is in the market to purchase a tank and service pump.

Wallace J. Landry, box 641, Baton Rouge, La., is in the market for ready-cut houses.

G. Hemsworth, 120 Union street, Seattle, Wash., desires to communicate with San Francisco firms equipped to build electric signs.

L. F. Lyne, Jr., care of Oil Specialties & Supply Co., 39 Cortlandt street, New York City, desires to obtain a representative in this territory to handle the sale of "Rustavoid," a product for the prevention of corrosion of metal products.

C. E. Conley, Box 371, North Bend, Ore., is in the market for oil well supplies.

The Elbes Company, 1032 University avenue, Tuscon, Ariz., desires to get in touch with San Francisco firms making machinery for the manufacture of rubber stamps.

F. McMillan, Santa Cruz, Cal., is in the market for automatic wood-turning lathes and woodworking tools.

Official Proposals

NOTICE TO BIDDERS ON TRACY GRAMMAR SCHOOL BUILDING, TRACY, CALIFORNIA.

Notice is hereby given by the Board of Trustees of the Tracy Grammar School District that sealed bids will be received by the said Board of Trustees at the Tracy Grammar School building located at the southwest corner of the intersection of Central Avenue and Eleventh street in the City of Tracy, **up to eight (8) o'clock P. M. on the 14th day of March, 1922,** at which time all bids will be publicly opened.

Said bids shall be for the furnishing of all labor and material and constructing a one-story grammar school building according to plans and specifications prepared by Wright & Satterlee, architects, employed by the Board, said bids shall be for all work necessary for the completion of said buildings ready for occupancy.

Said building to be located on a four-acre site purchased by the said Trustees of the Tracy Grammar School District and known as the Lewis Parker site and located between Ninth and Tenth streets and adjoining the property owned by the City of Tracy, and used for the City water pumping station.

All bids are to be for work according to plans and specifications which may be obtained at the office of Wright & Satterlee, Bank of Italy Bldg., Stockton, California, during business hours.

All bids must be accompanied by a certified check or certificate of deposit of one thousand dollars ($1,000.00) made payable to T. Garner, Clerk of the Board of Trustees, and conditioned that the successful bidder shall enter into a contract in accordance with such bid, and file with said Board of Trustees an approved bond within six days after the acceptance of his bid, which bonds shall be conditioned for the faithful fulfillment of the contract entered into and to be done thereunder and for the protection of all persons performing labor or furnishing materials for the construction of said building.

In case the contractor shall fail to execute the required contract or furnish a bond acceptable to the Board within the six days, due notice having been given him, then shall the contractor forfeit all claim to the said one thousand dollars ($1,000.00) and it shall become the property of the Tracy School District.

All bids must be submitted upon forms obtained from the Architects.

Contractor must make a deposit of ten dollars ($10) with the architects when taking plans and specifications from the office, which amount will be returned to said contractor upon return of plans in good condition to the office of the architects.

The Board reserves the right to reject any or all bids.

Dated February 23, 1922.

By order of the Board of Trustees.
BERTHA M. McGEE,
F. H. WESTLAKE,
THOS. GARNER, Clerk.

BIDS WANTED FOR HIGH SCHOOL

(Two-Story Reinforced Concrete, 18-room Structure. Estimated Cost, $140,000)

NOTICE TO CONTRACTORS

Pursuant to an order made this 20th day of February, 1922, Notice is hereby given, by the Board of Trustees of the Grass Valley High School District, County of Nevada, State of California, that bids will be received by said Board, for the erection of certain work, as specified below for High School Buildings at Grass Valley, County of Nevada, State of California.

Plans and Specifications may be obtained from William Mooser and Horace G. Simpson, Associated Architects, Nevada Bank Building, San Francisco, California.

A deposit of Twenty Dollars ,$20.00) will be required for each set of plans and specifications.

Sealed bids will be received for both buildings combined on the General work, and on other branches segregated and alternates, as follows:

1. General contract, excepting Plumbing, Heating and Electrical Works.
2. Plumbing, Sewering and Gasfitting.
3. Heating and Ventilating.
4. Electrical Works.
5. Combination of bids Nos. 2 or 3 or 4.
6. Separate bids for—(1) General Work Gymnasium; (2) Plumbing, Sewering and Gasfitting; (3) Electrical Work.

All bids will be opened by the said Board of Trustees on the **20th day of March, 1922, at 8 o'clock P. M.,** at the Public Library Building, at Grass Valley.

All bids must be submitted on forms prepared by, and which will be furnished on request by, the Architects.

All bids must be sent or handed to the Clerk of said Board of Trustees on of before said hour and day and enclosed in sealed envelopes and marked on outside, "Bids for ———— work for proposed High School Buildings at Grass Valley, California."

All bids must be accompanied by cash, a bidder's bond, certified check, or a certificate of deposit, equal to ten per cent (10%) of the amount of bid, and made payable to the President of the High School Board of Trustees, and to be returned to the party or parties whose bid or bids are not accepted, and to the party whose bid is accepted, upon his entering into a contract with the said Board as representing the High School District, and giving such bonds as may be required by law and the said Board of Trustees.

The Board of Trustees reserves the right to reject any and all bids, or any or all items of such bids, and to waive any informality in any bid received.

A. B. CHAMPION,
Clerk of the Board of Trustees of the Grass Valley High School District, County of Nevada, State of California.

BIDS WANTED FOR U. C. BUILDING

PROPOSAL FOR BIDS

SEALED BIDS will be received at the office of the Comptroller, University of California, Berkeley, California, **at or before 9 A. M., Wednesday, March 22, 1922,** for general contract including all work for the construction of Le Conte Hall on the grounds of the University of California, at Berkeley.

Drawing and specifications may be obtained at the office of John Galen Howard, Architect, 500 First National Bank Building, San Francisco, on deposit of $100.00 for each set of drawings and specifications taken out. (Checks given as deposits are to be in favor of the undersigned). Deposits will be refunded on submission of a regular bid for the work and on return of said drawings and specifications in good condition. No bids will be considered unless accompanied by a certified check or bond in favor of the undersigned, equal to 10% of the bid, to secure execution of the contract by the successful bidder.

The right is reserved to reject any or all bids.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA.

BIDS WANTED FOR PUMPING PLANT

SEALED BIDS will be received by the City Council of the City of Fallon, Nevada, at the office of the City Clerk, **until 7.00 o'clock P. M., Tuesday, March 28, 1922,** for the furnishing of all material and equipment and the construction of an additional pumping plant for the municipal water system. Items included will consist of approximately one mile electric transmission line, one mile wood pipe and all necessary pumps, motors, automatic controls, air pressure tank, building, foundations, suction lines, valves, pipe, etc., complete and in place. Plans and specifications may be secured from the City Engineer of the City of Fallon for $5.00, or may be inspected at his office by prospective bidders without charge.

Dated at Fallon, Nevada, February 13, 1922.

GRACE WILDES,
City Clerk.

BIDS WANTED FOR GOVERNMENT BUILDING AT MARE ISLAND

NOTICE TO CONTRACTORS

SEALED PROPOSALS, indorsed "Proposals for Extension to Shell House and Magazine, Mare Island, California, Specification No. 4561," will be received at the Bureau of Yards and Dock, Navy Department, Washington, D. C., Mar. 15, 1922, and then and there opened, for a one-story extension to shell house and an identical extension to magazine, at the Navy Yard (Ammunition Depot), Mare Island, California. Each Extension will have a wood-finish flooring and concrete fill on reinforced concrete floor base; exterior reinforced concrete platform; concrete foundation on timber piles; hollow-tile walls with exterior stucco; steel columns and trusses; asbestos shingle roofing on wood deck; and a lightning protection system. Drawings and Specification No. 4561 may be obtained on application to Bureau or to the Commandant Navy Yard, Mare Island, California. Deposit of a check or postal money order for $10, payable to the Chief of Bureau of Yards and Docks, is required as security for the safe return of the Drawings and specification.

L.E. GREGORY,
Chief of Bureau.

January 6, 1922.

NOTICE TO CONTRACTORS FOR THE CONSTRUCTION OF BERKELEY HIGH SCHOOL GYMNASIUM

The High School Board of Education of the City of Berkeley and of Berkeley High School District in the County of Alameda, State of California, invites and the undersigned will receive at his office, 2133 Allston Way, Berkeley, California, **up to the hour of 4 o'clock P. M., March 14, 1922,** sealed proposals for furnishing the necessary materials, tools and labor for the doing of certain work under segregated contracts as set forth below for the construction of the Berkeley High School Gymnasium, situated on a lot of ground bounded by Grove Street, Ban-

A call for bids published in this section indicates that bids are desired from other than local bidders. Maximum competition is desired, and this is assured through BUILDING AND ENGINEERING NEWS which reaches every worth-while contractor and materialman in Central and Northern California who bids on public work.

Rate: 10 cents per line, per insertion.

All official calls for bids of the California State Highway Commission and Nevada State Highway Commission are published in this section.

croft Way, Milvia Street and Channing Way, in the Berkeley High School District, in accordance with plans and specifications adopted by said Board of Education, on February 21, 1922, and now on file in the office of said Board of Education, 2133 Allston Way, Berkeley, California. Sealed proposals must be filed for each portion of the work as segregated and set forth below.

1. Excavating, Grading and Concrete Work.
2. Carpentry and Millwork.
3. Masonry.
4. Structural Steel.
5. Metal Lockers.
6. Plumbing.
7. Marble and Tile.
8. Shades and Linoleum.
9. Ornamental Iron Work.
10. Roofing and Sheet Metal.
11. Heating and Ventilating.
12. Electrical Work.
13. Glass and Glazing.
14. Painting.
15. Lathing and Plastering.

Copies of said plans and specifications may be obtained either from the office of William C. Hays, 1325 First National Bank Building, San Francisco, California, or from the office of the secretary of the Board of Education, 2133 Allston Way, Berkeley, California, upon depositing the sum of Ten ($10.00) Dollars, and must be returned within five days or the said deposit may be forfeited and turned into the treasury of the said Board of Education.

Bids must be on blank forms furnished by and obtained from said William C. Hays, or said Board of Education. Work on any of the above segregated contracts must commence within 18 hours from notification by the Board of Education to commence said work, and be diligently prosecuted until completion thereof, unless otherwise ordered by said Board of Education and the Architect.

The successful bidder will be required to furnish a surety bond acceptable to the Board of Education in a sum not less than twenty-five (25%) per cent of the contract price, guaranteeing the faithful performance of the contract; also a bond in a sum not less than fifty (50%) per cent of the contract price, guaranteeing the payment of all claims for labor employed or materials used in the construction of said Berkeley High School Gymnasium, as provided by an Act of the Legislature of the State of California entitled "An Act to Secure the Payment of Claims of Material-men, Mechanics or Laborers Employed by Contractors upon State, Municipal or other Public Work, Approved March 27, 1897," and must carry adequate insurance or give bonds indemnifying the board of education against liability for compensation provided by "Workingmen's Compensation Insurance and Safety Act, approved May 26, 1913," satisfactory to the said Board of Education.

All bids must be accompanied by a cash deposit or a certified check on a responsible bank and payable to the Board of Education for an amount equal to ten (10%) per cent of the amount of the bid.

If the bidder to whom the contract is awarded shall for five (5) days after such an award fail or neglect to enter into a contract and file the required bonds for the faithful performance of the contract and the furnishing of materials and labor, the cash deposit or certified check of said bidder may be declared forfeited to the Board of Education and shall be collected and paid into the General Fund of said Board of Education.

The Board of Education reserves the right to reject any and all bids.

By order of the High School Board of Education of the City of Berkeley, County of Alameda, State of California.

CLYDE BLANCHARD,
Acting Secretary of said Board of Education

NOTICE CALLING FOR SEALED PROPOSALS

(Santa Cruz County Highways)

NOTICE IS HEREBY GIVEN That sealed proposals will be received by the Board of Supervisors of the County of Santa Cruz, State of California, at the office of the County Clerk of said County, in the courthouse in the City of Santa Cruz, California **up to the hour of two o'clock P. M. on March 16, 1922**, for improving 3.549 miles of the county highway between Santa Cruz and Boulder Creek in said County of Santa Cruz (Division III, Section III, Layout XI).

Sealed proposals will also be received by said Board of Supervisors at said time and place for improving 3.929 miles of the county highway beginning at a point about 5.36 miles Northeasterly from the City of Watsonville and extending in a Northeasterly direction to Station 490 - 50 near the railroad crossing beyond Chittenden Station, (Division I, Section III, Layout X).

The above mentioned improvement to be made in accordance with the profiles, cross-sections, plans and specifications filed with said Board of Supervisors February 28, 1922, to which reference is made for greater particularity.

Separate bids are called for each of the two sections above referred to and bids for each are called for in the alternatives as contemplated by said specifications, this Board reserving the right, upon receipt of such bids, to determine in each instance what type of improvement shall be constructed.

The Board of Supervisors also reserves the right to reject any or all proposals.

Dated, Santa Cruz, California, March 1, 1922.

H. E. MILLER,
Clerk of said Board.
By H. G. Poole, Deputy Clerk.

HOOVER'S REPORT

(Continued from Page 5)

There is one problem that has distinctly national character that would certainly fall within Senator King's vision and upon which national thought could be advanced by conference; that is, the mobilization of finance of home building. We have mobilized the commercial capital of the country through the Federal Reserve Banks. We have mobilized the farm mortgage capital through the Farm Loan Bureau. We are considering mobilizing production capital for the farmers through another organization. The country badly needs a mobilization of the home building capital based upon our building and loan associations, insurance companies, and savings banks. We have a sound foundation upon which to build some sort of structure that would cheapen home building capital, give it more mobility to all regions and afford greater security. A conference to consider this problem would be of great value.

Yours faithfully,
Herbert Hoover.

SCHOOLS

(Continued from Page 13)

BERKELEY, Alameda Co., Cal.—Until March 14, 4.15 P. M., bids will be received by Clyde Blanchard, Acting Secretary Board of Education, 2133 Allston Way, for erecting fence at Le Conte Public School in Fulton and Oregon streets.

Separate bids, same date, for erecting fence on 3 sides of Athletic Field of Berkeley high school at Grove, Banning and Channing Ways. Specification will be furnished on request.

STORES AND OFFICES

Contract Awarded.
ALTERATIONS Cost, $8,000
OAKLAND, Alameda Co., Cal. Kahn's Store.
Alterations for candy and soda fountain
Owner—W. J. O'Brien.
Architects—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.
General—S. Kulchar & Son, 8th Ave. and E-12th St., Oakland.
Tile—Robert Howden, 1117 Webster St., Oakland.
Marble—Joseph Musto Sons-Keenan Co., 555 North Point St., San Francisco.
Steam Table—Abrams Co. San Francisco.
Stools—C. F. Weber & Co., 985 Market St., San Francisco.
Plumbing—H. G. Newman, 522 16th St., Oakland.

Owner Taking Sub-Figures and Purchasing Materials.
STORE BLDG. Cost, $15,000
MARTINEZ Contra Costa Co., Cal.
Howard and Ferry Streets.
One-story brick store building.
Owner—George Huffman of the Martinez Furniture Co., Ferry St., Martinez.
Architect—H. P. Caskey, Martinez.

Plans Being Figured.
PRODUCE BUILDING Cost, $——
OAKLAND.
One-story concrete and brick produce building.
Owner—F. W. Deahl.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Plans Being Figured.
BUILDING Cost, $——
OAKLAND.
Two-story brick building.
Owner—Withheld.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Contract Awarded.
ALTERATIONS Cost, $22,000
SAN FRANCISCO. SW Bush and Hyde Streets.
Remodel present apartments for doctors' offices (addition of 2 stories).
Owner—Drs. A. and L. Green, Shreve Bldg., San Francisco.
Architect—S. L. Hyman, 68 Post St., San Francisco.
Contractor—I. M. Sommers, Balboa Bldg., San Francisco.

Plans Completed—Segregated Figures to be Taken in a Week.
STORE AND LOFT Cost, $30,000
SAN FRANCISCO. S Mission E 2nd.
Two-story and basement reinforced concrete store and loft building (elevator).
Owner—A. Aronson.
Architect—Mel. I. Schwartz, Nevada Bank Bldg., San Francisco.

Steel Contract Awarded—Sub-Figures Being Taken on Balance of the Work.
STORES Cost, $200,000
OAKLAND, Alameda Co., Cal. W Telegraph Avenue between 19th and Williams Streets.
Two-story reinforced concrete stores and market building, 176x300.
Owner—Norman de Vaux, Foothill Blvd. and 69th St., Oakland.
Architect—Maury I. Diggs, 1108 Easton Bldg., Oakland.
Steel awarded to Judson Iron Works.

Sub-contracts Awarded.
ADDITION Cost, $——
SAN FRANCISCO. NE Mission and New Montgomery Sts.
Addition to office building.
Owner—A. Aronson et al.
Architect—M. I. Schwartz, Nevada Bank Bldg., San Francisco.
Painting to J. St. Denis & Co., 1045 Sutter St., San Francisco.
Terrazzo for Corridors to P. Grassi, 135 Tehama St., San Francisco.
Composition Flooring for Stairs and Landings to Phoenix Sidewalk Light Co., Monadnock Bldg., S. F.

Plans Ready for Figures—Steel Contract Awarded.
STORE AND LOFT Cost, $500,000
LOS ANGELES. SE 7th and Hill Sts.
Thirteen-story Class A store and loft building
Owner—Sun Realty Co.
Architect—Aleck E. Curlett, Merchants National Bank Bldg., Los Angeles.

Steel contract awarded to Llewellyn Iron Works. Bids for the terra cotta and general contract will be called for this week.

Work to Start Immediately—Sub-contract to be Awarded.
BATTERY STATION Cost, $15,000
OAKLAND. Webster near 15th St.
One-story brick battery station.
Owner—Daniel Crosby.
Architect—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

Completing Plans.
OFFICE BLDG. Cost, $35,000
SAN JOSE. Santa Clara Co., Cal. South First Street.
One-story reinforced concrete steel and terra cotta office building.
Owner—Mutual Building & Loan Co.
Architects—Binder & Curtis, 225½ S-First St., San Jose.

Plans Being Figured—Bids Close Mar. 15, 1922.
STORES & OFFICES Cost, $——
TAFT, Kern Co., Cal. 4th and Center Streets.
Two-story reinforced concrete (6) stores and (20) offices.
Owner—Fred O'Brien, Taft.
Architect—Chas. H. Biggar, First National Bank Bldg., Bakersfield.

Figures to be Taken in About Two Weeks.
OFFICE BLDG. Cost, $——
SAN FRANCISCO. NE Post and Powell
Nine-story and basement class A office building (198 offices).
Owner—Wm. Fitzhugh, Mills Bldg., San Francisco.
Architect—Reid Bros., 105 Montgomery St., San Francisco.

Contract Awarded.
STORE BLDG. Cost, $15,800
OAKLAND, Alameda Co., Cal. S 16th St. 50 E Jefferson.
One-story brick store building.
Owner—David McLaughlin, Lillian S. Fuller, Robert Dalziel Jr. and W. Morgan.
Architect—Louis S. Stone, Albany Bldg., Oakland.
Contractor—Geo. A. Scott, 685 23rd St., Oakland.

Contract Awarded.
STORE Cost, $14,720
OAKLAND. E Telegraph Ave. 260 N 34th St.
Two-story 12-room frame stores and apartments.
Owner—G. E. Stroll.
Architect—None.
Contractor—Robert H. McBeth, 1050 Stanage Ave., Piedmont.

THEATRES

Figures to be Taken in About Two Weeks.
THEATRE Cost, $500,000
OAKLAND. E Broadway near 19th.
Class A theatre building (2300 seats).
Owner—Orpheum Theatre Co.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.

Low Bidders Figuring Revised Plans.
THEATRE Cost, $——
SAN FRANCISCO. Third and Minna Streets.
One-story Class A motion picture theatre.
Owner—Withheld.
Architect—A. W. Burgren, 110 Sutter St., San Francisco.

Figures to be Taken in About Ten Days.
THEATRE Cost, $150,000
WATSONVILLE, Santa Cruz Co., Cal.
Class A theatre (El Pajaro Theatre).
Owner—Withheld.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.

MODESTO, Stanislaus Co., Cal.—T. F. Griffin, owner of the garage building at 719 Tenth St. will remodel that structure for a theatre with a seating capacity of 1000 persons. The building will be leased to Parker and Brobeck of Stockton, owners of the Lyric Theatre in that city. Approximately $25,000 will be expended in the work.

GOOD ROADS WILL REDUCE LIVING COSTS AND CREATE PROSPERITY

Good roads in the country will do more to lower the high cost of living and more for the prosperity, comfort, culture and happiness of the people than things fought over in the 12 presidential campaigns, Governor Oliver H. Shoup, of Colorado, told members of the Pike's Peak Ocean to Ocean Highway Association, at is annual meeting in Springfield, Ill.

"The establishment of motor truck express lines in every farming community will stimulate the production of more food, reduce the cost of living and probably will make public markets successful in American cities," he continued.

Continuing he declared, "Industrial revival is being retarded, we are told, because of the agricultural situation. When the farmer can't buy, the manufacturer can't sell. The farmer can't buy because he is forced to carry a large surplus of his products. Checking the markets it is found, that domestic consumption is normal, the price low. We have an overproduction and no place to dispose of it.

"What needs to be done is plain. How to do it is quite another matter. The thing to do is to find a market for the surplus."

Farm Status Explained

Depreciating the fact that the farmer has been held up as the nation's bankrupt, Governor Shoup declared that the farmer is no worse off than men in other lines of business and is better off than many. "The farmer," he continued, "although still far from prosperity has his feet on a more secure economic footing than those engaged in other vocations."

Quoting from government statistics for 1918, Governor Shoup declared that "it cost 30 cents per ton per mile to haul wheat by wagon as against 15 cents by truck. Statistics further show that it costs on good roads of hard resistant surfaces, eight cents to haul one ton per mile. On poor roads this cost increases materially if as compared to what it would cost if we all had good roads."

Quoting from a speech by Senator Beveridge, Governor Shoup declared that "the throwing away of actual products because of bad roads or no roads, would build every year forty permanent ocean to ocean highways, such as the Lincoln or Pike's Peak Ocean to Ocean highway.

"Not only would good roads throughout the nation saves this billion dollars' worth of produce now wasted annually, but they would increase the raising of food stuff and other products because the ease of marketing would be a selfish incentive to more careful production. On account of our neglect of highways the United States is paying a penalty of more than 504 million dollars per year in excessive cost for transportation alone of agricultural products from farm to market," he said.

Pahaskae Tepee, the Buffalo Bill museum in the Denver Mountain Parks system contains the knife with which Colonel Cody scalped Yellow Hand, the Sioux chief, after the Custer massacre, and the gun with which he killed 4,000 buffalo in one year for the Union Pacific road.

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Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

$2,500 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
710	Mersor	Schwaz	15000
711	Providence	Commary	45000
712	Roberts	Owner	5050
713	Hargrave	Owner	2850
715	Allred	Owner	25000
748	Lewis	Hansen	5000
750	Eisenberg	Sandberg	2750
751	Walter	Collman	2971
754	Provident	Commary	52473
755	Curry	Little	7000
756	Jaenicke	Koenig	7698
759	Hilken	Owner	3000
761	Henrotte	Delaney	5000
762	Artigaioas	Howweling	3000
763	Walsh	Owner	11500
764	Lynch	Owner	25000
765	Provano	Serguson	3000
766	Old Homestead	Owner	3000
767	Alberti	Dunn	4000
769	Hannon	Peterson	8000
770	Warden	Owner	8000
771	Curry	Little	7000
773	Roth	Prout	3000
775	Green	Sommers	22000
778	Great Western	Barrett	18910
779	Griffith	Nelson	15975
780	Beede	Vodden	10925
781	Greenbach	Owner	20000
782	Lacey	Owner	20000
783	Edwards	Owner	15000
784	Johnson	Owner	20000
785	Hancott	Owner	16000
786	S. I. Co.	Owner	8000
787	Sherer	Owner	2500
788	Watson	Owner	6000
789	Feerick	Owner	8000
790	Hargrave	Montgomery	7000
791	Anderson	Campbell	3900
792	Hemminga	Owner	8000
798	Farrell	Adler	5900
799	Lamb	Carlson	3650
800	Kuhn	Kuhn	2800
801	Janssen	Owner	13900
802	Bottone	Amoroso	8000
803	Depenbrock	Owner	5000
804	Sorbi	Owner	5300
805	Gray	Owner	7000
808	Robert	Robert	3700
809	Morey	Holmes	34000
810	Dahlberg	Owner	10000
811	Lion	Hiray	15000
812	Dugan	Montani	6800
813	Popondi	Skelden	7000
816	Ferrari	Olson	8500
817	Martin	Akerson	7500
818	Wade	Owner	7000
821	Budinsky	Owner	8000
822	Lyne	Sayre	3500
823	O'Malley	Owner	7000
824	Jonson	Owner	13000
825	Stewart	Menson	3500
826	Heyman	Owner	9000
827	O'Connor	Barrett	18787
828	Henrotte	Delaney	5290
830	Shumslee	Amer	4295

PERMITS

APARTMENTS

(710) N CALIFORNIA 165-1 E Octavia. Three-story and basement frame (12) apartments.
Owner—Geo. W. Mersor, 1551 Jackson St., San Francisco.
Architect—None.
Contractor—Chas. Schwarz, 1416A Hyde St., San Francisco. $15000

OFFICE

(741) S CALIFORNIA 91-8 E Front. Five-story reinforced concrete office building.
Owner—Providence Surety Co., Crocker Bldg., San Francisco.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
Contractor—W. T. Commary, Crocker Bldg., San Francisco. $45,000

ALTERATIONS

(742) GREAT HIGHWAY (Cliff House) Remove certain bearing walls and provide steel plate girder and columns; new stairway; metal lath and plaster ceiling.
Owner—R. P. Roberts, Cliff House, S. F.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Day's work. $5000

DWELLING

(743) W LONDON 200 N Persia. One-story and basement frame dwlg.
Owner—Edmund J. Hargrave, 366 London St., San Francisco.
Architect—H. A. Hargrave, 366 London St., San Francisco.
Day's work. $2850

GARAGE

(744) E VALENCIA 355 S Army. One-story brick garage.
Owner—Brodofsky Bros.
Architect—None.
Contractor—Emil Nelson, 4835 Geary St., San Francisco. $10,000

APARTMENTS

(745) SW WASHINGTON & WETMORE Three-story and basement frame (12) apartments.
Owner—C. S. Allred, 159 Liberty St., San Francisco.
Architect—None.
Day's work. $25,000

FRAME FLATS

(748) W TWELFTH AVE 100 S Geary. Two-story and basement frame (2) flats.
Owner—Aaron Lewis, 1605 Chronicle Bldg., San Francisco.
Architect—Morrow & Garren, Chronicle Bldg., San Francisco.
Contractor—P. Hansen, — Buchanan St., San Francisco. $5000

RECORDED

(750) NO. 1140 MARKET. All work for alterations to store front.
Owner—Eugene Eisenberg, Premises.
Plans by Contractor.
Contractor—Sandberg & Essmann, 591 11th St., San Francisco.
Filed Feb. 21, '22. Dated Feb. 6, '22.
Glass set $750
Completed 750
30 days after 650
60 days after 600
TOTAL COST, $2750
Bond, none. Limit, 12 months. Forfeit, none. Plans and specifications filed.

(751) SW MARKET AND ECKER. All work for alterations to store and loft building.
Owner—Walter Real Estate Co.
Architect—Houghton Sawyer, Hearst Bldg., San Francisco.
Contractor—Collman & Speidel, 548 Monadnock Bldg., San Francisco.
Filed Feb. 24, '22. Dated Feb. 21, '22.
On 1st and 15th of each month 75%
Usual 35 days ..... Balance
TOTAL COST, $2971
Bond, $1185.50. Surety, Fidelity & Deposit Co. of Maryland. Limit, 35 days. Forfeit, none. Plans and specifications filed.

RECORDED

(754) S CALIFORNIA 91-8 E Front E 45-10xS 137-6. All work except heating for five-story reinforced concrete building (office).
Owner—Provident Securities Co., Crocker Bldg., San Francisco.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
Contractor—W. T. Commary, Crocker Bldg., San Francisco.
Filed Feb. 25, '2. Dated Feb. 21, '22.
On 1st and 15th of each month 75%
Usual 35 days 25%
TOTAL COST, $52,473
Bond, $26,236.50. Surety, ——. Limit, 121 days after Feb. 23. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported Feb. 25, 1922. No. 741

FLAT BLDG.

(755) E TENTH AVE 73 N California N 27-E 45. Concrete, carpenter, lumber, mill, plaster, painting and plumbing for two-story frame flat building.
Owner—Peter and Annie Curry, 4752 California St., San Francisco.
Architect—Milton Morrison, 716 11st Ave., San Francisco.
Contractor—John Little, 1035 Lincoln Way, San Francisco.
Filed Feb. 25, '22. Dated Feb. 17, '22.
Rough frame up $1750
Enclosed and brown coated ... 1750
Completed and accepted 1750
Usual 35 days 1750
TOTAL COST, $7000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

(Continued on Page 22)

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REDDING MUNY LIGHT PLANT CLEARS $1,987.13 IN TWENTY DAYS

A financial statement of the operations covering the electrical department of the city of Redding from December 7, 1921, to December 27, 1921, a period of 20 days, has been compiled by Winfred Wright, expert accountant. Wright declares the city operated the system for the first 20 days with the following results: Sale of power and light, $4,138.14; interest on bonds and depreciation, $401.38; maintenance, operation, etc., $449.63; estimated cost of power from December 6 to December, 27, 1921, for 20 days, $1,300; total cost of operation, $2,151.01; net profits for above 20-day period, $1,987.13.

FLATS
(756) W SEVENTEENTH AVE 150 N Fulton 25x120. All work for two-story frame flats.
Owner—Martha Jaenicke, 1121 Cole St., San Francisco.
Architect—Arthur T. Ehrenpfort, 373 Russ Bldg., San Francisco.
Contractor—Chas. J. U. Koenig, 520 Church St., San Francisco.
Filed Feb. 25, '22. Dated Feb. 24, '22.
Frame up, roof boards on.....$1500
Brown coated, roof completed.. 2000
Completed and accepted..... 2198
36 days 2000
TOTAL COST, $7698
Bond, none. Limit, 90 working days. Forfeit, none. Plans and specifications filed.

DWELLING
(759) N BOSWORTH 25 E Lippard. Two-story and basement frame dwelling.
Owner—Otto N. Hilken, 4026 Mission St., San Francisco.
Architect—None.
Day's work. $3000

ALTERATIONS
(761) NO. 26 AND 28 CLEMENT. Raise and make alterations for store and 2 flats.
Owner—L. Henrotte, % Architect.
Architect—Arthur G. Scholz, 839 Phelan Bldg., San Francisco.
Contractor—Chas. Delaney, 2955 Pine St., San Francisco. $5000

DWELLING
(762) SW CHURCH AND CLIPPER, One-story and basement frame dwelling.
Owner—Frank Artigaloas, 405 Fair Oaks Ave., San Francisco.
Architect—None.
Contractor—T. Howweling, 830 Prague St., San Francisco. $3000

FLATS
(763) W FOURTEENTH AVE. 100 S Cabrillo. Two-story and basement frame (2) flats.
Owner—Harry Walsh, 591 20th Ave., San Francisco.
Architect—None.
Day's work. $11,500

APARTMENTS
(764) E GUERRERO 90 S 17th. Three-story frame (9) apartments.
Owner—J. Lynch, 304 Anglo Bldg., San Francisco.
Architect—A. J. Horstmann, 303 Anglo Bldg., San Francisco.
Day's work. $25000

DWELLING
(765) W MISSISSIPPI 275 N 22nd. One-story and basement frame dwelling.
Owner—M. Provano, 63 Mississippi St., San Francisco.
Contractor—Geo. M. Serguson, 308 Guerrero St., San Francisco. $3000

ALTERATIONS
(766) —— NINETEENTH 100 E Howard. Tear down and reconstruct bake ovens.
Owner—Qld Homestead Bakery, Inc. 19th and Howard Sts., San Francisco.
Architect—None.
Day's work. $3000

STORE
(767) W POLK 62-6 N Vallejo. One-story frame store and living quarters.
Owner—Dr. D. A. Alberti, 212 Stockton St., San Francisco.
Architect—W. L. Schmolle, 40 Montgomery St., San Francisco.
Contractor—Joseph Dunn, 40 Montgomery St., San Francisco. $4000

FRAME FLATS
(769) E TWENTIETH AVE 175 S Cabrillo. Two-story and basement frame (2) flats.
Owner—John E. Hannon and M. J. Peterson, 572 22nd Ave., San Francisco.
Architect—None.
Contractor — M. J. Peterson, 572 22nd Ave., San Francisco. $8000

FRAME FLATS
(770) E TWENTIETH AVE 140 S Cabrillo. Two-story and basement frame (2) flats.
Owner — Albin Warden, 270 Collingwood St., San Francisco.
Architect—None.
Day's work. $8000

FRAME FLATS
(771) E TENTH AVE 75 N California. Two-story and basement frame (2) flats.
Owner — Peter Curry, 4752 California St., San Francisco.
Architect—Milton Morrison, 716 41st Ave., San Francisco.
Contractor—John Little, 1035 Lincoln Way, San Francisco. $7000

ALTERATIONS
(773) NO. 1961 TURK. Alter two-story frame residence into (2) flats.
Owner—Mrs. D. Roth, — Turk St., San Francisco.
Architect—None.
Contractor—J. Prout, 2020 Turk St., San Francisco. $3000

ALTERATIONS
(775) SW BUSH AND HYDE. Remodel present apartments for doctors' offices and add two stories.
Owner—Drs. A. and L. Green, Shreve Bldg., San Francisco.
Architect—Samuel Lightner Hyman, 68 Post St., San Francisco.
Contractor—I. M. Sommers, Balboa Bldg., $22,000

RECORDED

ADDITIONS
(778) N BUSH 68-9 W Grant Ave W 68-9xN 137-6. All work for additions to existing sub-station.
Owner—Great Western Power Co., 11 Sansome St., San Francisco.
Engineer—S. L. Napthaly, % Owner.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Filed Feb. 27, '22. Dated Feb. 23, '22.
On 20th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $18,910
Bond, $10,000. Sureties, Albert Lackman and Jas. T. Casey. Limit, May 5, 1922. Forfeit, none. Plans and specifications filed.

FRAME FLATS
(779) NE THIRD AVE AND CALIFORNIA N 106 E 37-8¼ S 102-3 m or l SW 37-10.44. All work for two-story frame building (flats).
Owner—Howard J. Griffith, 109 New Montgomery St., San Francisco.
Architect—None.
Contractor—N. John Nelson, 1505 Balboa St., San Francisco.
Filed Feb. 27, '22. Dated Feb. 23, '22
Frame up $3993.75
Brown coated 3993.75
Completed and accepted.... 3993.75
Usual 35 days..... 3993.75
TOTAL COST, $15,975.00
Bond, $8000. Sureties, Edwin T. Peterson and Fred S. Spencer. Limit, 120 days after Feb. 27, 1922. Forfeit, $10. Plans and specifications filed

FRAME FLATS
(780) E SIXTEENTH AVE 300 S Anza All work for two-story frame building (flats)
Owner—Stephen M and Margaret T. Beede, 546 16th Ave., S. F.
Plans by Contractor
Contractor—Walter G. Vodden, 760 Cole St., San Francisco.
Filed Feb. 27, '22. Dated Feb. 21, '22.
Roof on building.....$2731.25
White coated 2731.25
Completed 2731.25
Usual 35 days..... 2731.25
TOTAL COST, $10,925.00
Bond, none. Limit, June 30, 1922. Forfeit, none. Plans and specifications filed.

APARTMENTS
(781) S EDDY 62-6 E Hyde. Four-story and basement reinforced concrete (12) apartments.
Owner—J. Greenbach, 371 Waller St., San Francisco.
Architect—None.
Day's work. $20,000

APARTMENTS
(782) W HYDE 137-6 N Ellis. Three story and basement reinforced concrete (11) apartments.
Owner—E. V. Lacey, 180 Jessie St., San Frencisco.
Architect—None.
Day's work. $20,000

APARTMENTS
(783) SE BRODERICK AND PINE. Three-story and basement frame (12) apartments.
Owner—F. Edwards, 825 Monadnock Bldg., San Francisco.
Architect — J. C. Hladik, Monadnock Bldg., San Francisco.
Day's work. $15,000

APARTMENTS
(784) E POLK 88-9 S Greenwich. Three-story and basement frame (12) apartments.
Owner—Axel A. Johnson, 632 Belvedere St., San Francisco.
Architect—None.
Day's work. $20,000

GARAGE
(785) N MISSION bet. Highland Ave. and West Park. One-story concrete private garage.
Owner—Elfrieda Hanchett, Rm. 711, 110 Sutter St., San Francisco.
Architect—Albert W. Burgren, 110 Sutter St., San Francisco.
Day's work. $16,000

VAULT
(786) THIRD AND KING. Construct fireproof vault.
Owner—Southern Pacific Co., Third & Townsend Sts., San Francisco.
Plans by Owner.
Day's work $8000

DWELLING
(787) E MOSS 175 S Howard. One-story and basement frame dwelling
Owner—W. E. Sherer, 647-A Minna St., San Francisco.
Architect—None.
Day's work. $2500

FRAME FLATS
(788) W TWENTY-SECOND AVE 200 S California. Two-story and basement frame (2) flats.
Owner—G. E. Watson Bldg. Co., 280 17th Ave., San Francisco.
Architect—None.
Contractor — G. E. Watson Bldg. Co., 280 17th Ave., S. F. $6000

RESIDENCES
(789) S NINETEENTH AVE 200 and 225 S Cabrillo. Two two-story and basement frame residence
Owner—B. and P. J. Feerick, 253 Downey St., San Francisco.
Designer—Bryan Feerick, 253 Downey St., San Francisco.
Day's work $4000 each

DWELLING
(790) S TWENTY-EIGHTH 100 W Guerrero. One-story and basement frame dwelling
Owner—Albert and May Hargrave, 1721 Quesada Ave., San Francisco.

Architect—None.
Contractor — E. J. Montgomery, 1320 Broadway, San Francisco. $7000

RESIDENCE
(791) E STANYAN 25 N Rivoli. One-story and basement frame residence.
Owner — A. Andersen, 1018 Hewes Bldg., San Francisco.
Architect—None.
Contractor—Campbell, Myers & Myers, 558 Ashbury St., San Francisco. $3900

DWELLINGS
(792) W TWENTY-SECOND AVE 325 and 350 S Cabrillo. Two two-story and basement frame dwellings.
Owner—Nick Hemminga, 705 22nd Ave., San Francisco.
Architect—None.
Day's work. $4000 each

RECORDED

RESIDENCE
(798) W THIRD AVE. 99-9¼ S Cabrillo 25 W 110 N 30 E 22-6 S 5 E 87-6. All work for a two-story and basement frame residence.
Owners—Wm. A. Farrell and Mrs. Anna Farrell, 1548 Balboa St., San Francisco.
Architect—Earle B. Bertz, 168 Sutter St., San Francisco.
Contractor—K. Adler, 493 22nd Ave., San Francisco.
Filed Feb. 28, '22. Dated Feb. 10, '22
Roof on $1475
Brown coated 1475
Completed and accepted..... 1475
Usual 35 days 1475
TOTAL COST, $5,900
Bond, none. Limit, 60 days. Forfeit, $5.00 day. Plans and specifications filed.

ALTERATIONS
(799) NO. 3103 CLAY Carpenter,
ALTERATIONS
plumbing and electric work for alterations to building.
Owner—Olga Dierks Laib, 700 Broderick St., San Francisco.
Architect—None.
Contractor—Carlson & Peterson, 180 Jessie St., San Francisco.
Filed Feb. 28, '22. Dated Feb. 27, '22
Bay windows framed out and interior ready for lathing..$912.50
Brown coated 912.50
Completed and accepted..... 912.50
Usual 35 days..... 912.50
TOTAL COST, $3,650
Bond, $1825. Surety, Jno. Beck. Limit, 60 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(806) NO. 1503-1505 BRODERICK ST. Alter two-story frame building into (2) flats.
Owner — R. Kuhn, 4111 17th St., San Francisco.
Architect—None.
Contractor—R. Kuhn, 4111 17th St., San Francisco. $2800

FRAME FLATS
(801) E FRANKLIN 26 and 51 S Union. Two two-story and basement frame flats (2 flats in each).
Owner—E. A. Janssen, 402 Hearst Bldg. San Francisco.
Architect—None.
Day's work. $6950 each

FRAME FLATS
(802) NE GARIBALDI AND GREEN. Two-story and basement frame (4) flats.
Owner — B. Bottoni, 52 Garibaldi St., San Francisco.
Architect—None.
Contractor—F. C. Amoroso, 1336 Kearny St., San Francisco. $8000

DWELLING
(803) E NOE 316-6 N Seventeenth. Two-story and basement frame dwelling.
Owner—Frank Depenbrock, 3875 17th St., San Francisco.
Plans by Owner.
Day's work. $5000

DWELLINGS
(804) N SEVILLE 165 and 191 W Rolph. Two one-story and basement frame dwellings.
Owner—A. Sorbi, Premises.
Architect—L. Traverso, 854 Union St., San Francisco.
Day's work. $2650 each

DWELLING
(805) W TWENTY-FIRST AVE 200 S Cabrillo. Two-story and basement frame dwelling.
Owner—Mrs. Alfred J. Gray, 763 11th Ave., San Francisco.
Architect—None.
Day's work. $7000

ALTERATIONS
(808) SE THIRD AVE. AND LAKE. Remodel two-story frame residence for two flats; plaster exterior, etc.
Owner—Mary A. Robert, 100 Third Ave, San Francisco.
Architect—Walter King, 312 Call Bldg., San Francisco.
Contractor—C. A. Robert, 100 Third Ave., San Francisco. $3700

APARTMENTS
(809) W HYDE 112-6 N Eddy. Three-story and basement Concrete (11) apartments.
Owner — Chas. L. Morey, 610 Dalziel Bldg., Oakland.
Architect—E. W. Cannon, Central Bank Bldg., Oakland
Contractor—Arthur S. Holmes, 180 Jessie St., San Francisco. $34,000

DWELLING
(810) E TWENTY-THIRD AVE 75 and 100 S Cabrillo. Two one-story and basement frame dwelling.
Owner—Dahlberg Bros., 122 Buena Vista Ave., San Francisco.
Architect—None.
Day's work $5000 each

RECORDED

FRAME FLATS
(811) SE ASHBURY AND FULTON E 100xS 25. All work for two-story frame building (4 flats).
Owner — Jos. L. and Sylvia K. Licht, 709 Masonic Ave., San Francisco.
Plans by Contractor.
Contractor—A. M. Hardy, 6217 California St., San Francisco.
Filed Mar. 1, '22. Dated Feb 20, '22.
Frame up $3750
Brown coated 3750
Completed 3750
Usual 35 days..... 3750
TOTAL COST, $15,000
Bond, $7500. Surety, Fidelity & Deposit Co. of Maryland. Limit, 100 days. Forfeit, none. Plans and specifications filed.

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Phone Market 891 San Francisco

FRAME STORES
(812) S GEARY 82-6 E Eighteenth Ave. One-story frame stores.
Owner—J. H. Dignan, 76 Palm Ave., San Francisco.
Architect—J. A. Porporato, 619 Washington St., San Francisco.
Contractor—S. Montani, 1753 Greenwich St., San Francisco. $6800

FRAME FLATS
(815) E TWENTY-FIRST AVE 100 N Anza. Two-story and basement frame (2) flats.
Owner—Rudolph Posposil, 1451 Anza St., San Francisco.
Architect—None.
Contractor—I. Skeiden, 88 6th St., San Francisco $7000

FRAME FLATS
(816) E TWENTY-SEVENTH AVE 360 N California. Two-story and basement frame (2) flats.
Owner—Mertle Laws & Anita Persson, 3795 24th St., San Francisco.
Architect—None.
Contractor—Olson & Persson, 248 Fell St., San Francisco. $8500

FLATS
(817) S ANZA 107-6 W 19th Ave. Two-story and basement frame (2) flats.
Owners—T. H. Martin and T. Shuman, 1140 Sutter St., San Francisco.
Architect—A. Akerson, 376 21st Ave., San Francisco.
Contractor—A. Akerson, 376 21st Ave., San Francisco. $7,500

FLATS
(818) W EIGHTEENTH AVE. 325 S Balboa. Two-story and basement frame (2) flats.
Owner—E. J. Wade, 269 Ney St., San Francisco.
Architect—None.
Day's work. $7000

FLATS
(821) SE MINNA AND FOURTEENTH Sts. Two-story and basement frame (4) flats.
Owner—F. F. Budinsky, 1675 Mission St., San Francisco.
Architect—J. C. Hladik, Monadnock Bldg., San Francisco.
Day's work. $8000

REPAIRS
(822) N NATOMA 75 W 8th. Repair fire damage to six flats.
Owner—C. H. Layne, 1322 10th Ave., San Francisco.
Architect—None.
Contractor—C. C. Sayre, 541 26th Ave., San Francisco. $3500

FRAME FLATS
(823) E FIFTEENTH AVE 264 S Anza. Two-story and basement frame (2) flats.
Owner—John O'Mara, 256 6th Ave., San Francisco.
Architect—None.
Day's work. $7000

APARTMENTS
(824) E LEAVENWORTH 100 N California. Three-story and basement frame (6) apartments.
Owner—J. Harold Johnson, 771 28th Ave., San Francisco.
Architect—None.
Day's work. $13,000

RESIDENCE
(825) LOT 2 BLK 9, St. Francis Wood. Two-story and basement frame residence.
Owner—Joseph L. Stewart, 1214 Claus Spreckels Bldg., S. F.
Architect—J. L. Stewart, 1214 Claus Spreckels Bldg., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco. $9500

FRAME DWELLINGS

(826) W TWENTY-THIRD AVE 150, 175 and 200 N Fulton. Three one-story and basement frame dwlgs.
Owner — Oscar Heyman & Bro., 742 Market St., San Francisco.
Architect—A. J. Stern, 742 Market St., San Francisco.
Day's work. $2000 each

RECORDED

FRAME BUILDING

(827) SE VALENCIA AND SPARROW S 50xE100. All work for two-story frame building (Undertaking establishment).
Owner—J. C. O'Connor Co.
Architect—A. I. Coffey, Humboldt Bk. Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Filed Mar. 2, '22. Dated Mar. 2, "22.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $18,787
Bond, $9400. Sureties, Albert Lachman and Jas. T. Casey. Limit, 90 days. Forfeit, $10. Plans and specifications filed.

ALTERATIONS

(828) NO. 26-25 CLEMENT. All work except hardwood floors and window shades for alterations and additions to six 2-story frame flat building into stores and flats.
Owner—Leon J. Henrotte.
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.
Contractor—Chas. S. Delaney, 2955 Pine St., San Francisco.
Filed Mar. 2, '22. Dated Feb. 27, '22
As work progresses.....75%
Usual 35 days.....25%
TOTAL COST, $5.290
Bond, none. Limit, none. Forfeit, $6 day. Plans and specifications filed.
NOTE—Permit reported Feb. 28, 1922, No. 761.

CABINET WORK, ETC.

(829) NE EIGHTEENTH AVE. AND Geary. Cabinet work painting and electric work for store.
Owner—Shumates Pharmacy, Inc., 1610 Divisadero St., San Francisco.
Plans by Owner.
Contractor—American Furniture Mfg. Co., 1709 Mission St., San Francisco.
Filed Mar. 2, '22. Dated Mar. 1, '22.
On delivery of goods.....$1056.25
After erection of same..... 1056.25
Completed and accepted..... 1056.25
Usual 35 days..... 1056.25
TOTAL COST $4225.00
Bond, $2115. Surety, American Surety Co.; Limit, 30 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Mar. 2, 1922—SE PARIS 125 NE Russia Ave NE 25xSE 100 ptn blk 20 Excl Hd Assn. Patrick Horgan to whom it may concern...Mar. 2, 1922
Mar. 2, 1922—S GEARY 82-6 W 12th Ave W 25xS 100. Jacob Weissbein, Harry B and Leah H Getleson to Emil Nelson.....Feb. 28, 1922
Mar. 1, 1922—W TWENTY-FIRST AV 140 S California S 30xW 120. L M Carusio to whom it may concern... .....March 1, 1922
Mar. 1, 1922—N IRVING 57-6 W 24th Ave W 25xN 100. Marguerite Webster to Joel Johnson...Feb. 14, 1922
Feb. 28, 1922—W OTAVIA 87-6 N California N 50xW 107-6. Edward E Young to whom it may concern.. .....Feb. 28, 1922
Feb. 28, 1922—SE CALIFORNIA AND Twenty-ninth Ave E 25x95. M Harris to Allen & Co.. Feb. 11, 1922
Feb. 28, 1922—LOT 8 BLK 3109, Westwood Park. Hans and Esther E Nelson to Nelson Bros. Feb 23, 1922
Feb. 28, 1922—LOT 6 BLK 3109, Westwood Park. Hans & Esther E Nelson to Nelson Bros..Feb. 23, 1922
Feb. 22, 1922—W TWENTY-SECOND Ave 300 S Cabrillo S 25xW 120. Nick Hemminga to whom it may concern.....Feb. 28, 1922
Feb. 27, 1922—S CLEMENT 85 E 26th Ave E 25xS 100. Gustave Moeller to David Leigh.....Feb. 27, 1922
Feb. 27, 1922—E FRANKLIN 102-8 S Filbert S 27-6 on E Franklin by E 100. G Hunsith to whom it may concern.....Feb. 27, 1922
Feb. 27, 1922—E TENTH AVE 175 N Anza N 25xE 120. H O Lindeman to W R Lindeman.....Feb. 8, 1922
Feb. 27, 1922—E SIXTEENTH AVE 256-6 S Balboa S 25xE 127-6. Fred Lear Jr to David Leigh. Feb. 18, 1922
Feb. 27, 1922—W FOURTEENTH AV 305 S Geary 25x140. Samuel Wenger to G E Watson.....Feb. 25, 1922
Feb. 27, 1922—S GEARY 107-6 E Funston Ave 25x100. Emil Nelson to whom it may concern..Feb. 27, 1922
Feb. 25, 1922—SE REVERE AVE. 25 NE Jennings SE 25xSW 100 ptn lot 8 blk 364 So S F Hd and R R Ass'n. A L Stewart to whom it may concern.....Feb. 5, 1922
Feb. 25, 1922—N PINE 105 E Leavenworth E 37-6xN 137-6. Rosalia V De Ryana to V Filippis, Monihan & Slavin and Stimmel Electric Co.. .....Feb. 25, 1922
Feb. 25, 1922—NW TWENTIETH & Arkansas N 50xW 25. Peter Dertiman to whom it may concern .....Feb. 21, 1922
Feb. 25, 1922—S MARKET 94-3¾ W Ecker W 60-4xS 155. H L Simon to H P Hoyt. .....Feb. 24, 1922
Feb. 24, 1922—W SEVENTEENTH Ave 275 S Anza S 25xW 120. Jos J B and Josephine De Lucchi to whom it may concern..Feb. 15, 1922
Feb. 24, 1922—S MARKET 94-3¾ W Ecker W 60-4x155. H P Hoyt to whom it may concern...Feb. 24, 1922
Feb. 24, 1922—LOT 21 BLK 3175 Westwood Park. Jos.M and Lillie B Martinelli to Nelson Bros..... .....Feb. 20, 1922
Feb 21, 1922—LOTS 21A, 22A, 26A, 28A and 35A Blk 2989 Metropolis Sub Claremont Court said Lots 21A and 22A being on N line Portola Drive E of Kensington Way and said Lots 26A, 28A and 35A being on S line Ulloa St. E of Kensington Way. Julius H Berghauser to Jas Arnott & Sons.....Feb. 21, 1922

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

Mar. 2 1922—SW SLIVER AVE AND Mission bded on NW by Mission, N by Silver Ave and on SE by Lisbon. P Montague vs The Hebrew Home for Aged Disabled and R W Moller $1146
Mar. 1, 1922—W THIRTY-FIRST Ave 200 N Clement N 25xW 120. S Holding vs Geo W Witbeck....$55
Feb. 28, 1922—SW OCEAN AVE 103.52 SE Brighton Ave SE 38.82 S 118.7½ W 37-6 N 127.8. J H Kruse vs J Tranchina, The McCarthy Co and Andrew J Lynch..... $560.81

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount

Feb. 28, 1922—LOT 19 BLK 2619 Poly Lyon & Hoag's Sub of Ashbury Terrace No 2. Gust J Lin, Eric Wicklund & Peter Erickson to Geo Mastabinich .....
Feb. 27, 1922—SE TURK & TAYLOR E 40xS 77-6. Johns Manville Inc to Julius H Berghauser, John Holst and Western Co-Operative Cafeteria Co .....
Feb. 27, 1922—N SEA CLIFF AVE. if produced W dist S 83° 32' W 429.23 from SW Cor Lot 76 N 3° 23' W 155.47 N 88° E 50.015 S 3° 23' E 151.575 m or l to W line Sea Cliff Ave. if produced S 83° 32' W 50.073 Bliss & Faville, $3464.80; Lucia K Mathews, $2000 and J Harold Johnson, $10 to whom it may concern .....
Feb. 24, 1922—S PACIFIC 68-9 E Larkin E 63-9xS 137-6. J E Bach Co vs John Spargo and H Dragon Co $412.30

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Mar. 2, 1922—NO. 343 COLUMBUS Ave. J Marchi as to improvements on property .....
Feb. 28, 1922—NO. 1219 LOMBARD, bet. Larkin and Polk. Annie R Hansen as to improvements on property .....
Feb. 28, 1922—N EDDY 55 E Polk E 57-6xN 120. Ora McKeown as to improvements on property.....
Feb. 27, 1922—NW BRYANT 155 SW Third SW 20xNW 80, No. 518 Bryant St. Christ Madison as to improvements on property.....
Feb. 27, 1922—E FORTY-FIFTH AV 75 N Lawton N 25xE 57-6. B Getz as to improvements on property..
Feb. 24, 1922—E KEARNY 82 S Sacramento. Realty & Rebuilding Co to S I Halvorsen, Paul Nygard and Tom Johansen as to improvements on property .....

BUILDING CONTRACTS

ALAMEDA COUNTY

$2,500 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
770	Fryer	Carpenter	15000
771	Thomas	Thaxter	5000
773	Manasse	Barrett	4000
775	Johnson	Owner	4000
776	Hink	Smith	5250
777	Gede	Owner	5000
779	Kahn	Kulchar	4000
782	Peake	Peterson	17208
784	Gallin	Hopper	5084
787	Western Union	Owner	3900
788	Sharp	Armitage	3000
789	Bannon	Dolan	3000
790	Herman	Perry	4000
791	Same	Same	4000
792	Patterson	Warren	10276
795	Estill	Sman	2500
794	Mortorana	Hamilton	5800
796	Simmonds	Owner	3000
798	Saroni	Pond	5600
799	Same	Same	5600
800	Biegelhaupt	Rich	4000
803	Liotta	Owner	3000
804	Bryson	Owner	2500
805	Manasse	Kidder	3600
806	Cary	Hendricks	5000
807	Boyle	Isaacs	3750
809	Bercovich	Sommarstrom	6400
812	Boyle	Isaacs	3750
813	Wimer	Owner	2500
814	Whalen	Owner	3500
815	Same	Same	3500
816	Schmidt	Schmidt	4900
817	Bandy	Owner	3000
818	Stroll	McBeth	14720
819	Alvares	Owner	5000
820	Stahl	Thorp	3878
821	Associated	Catucci	3985
822	Meyers	Hendricks	10700
823	Grangrusso	Legault	5700
824	Elliott	Peterson	9761
825	Ford	Lucas	5000
826	Pranco	Owner	7000
827	Howe	Hopper	7000
828	Chamberlain	Burks	3860
829	Booth	Warner	5000
830	Healy	Owner	3000

No.	Owner	Contractor	Amt.
831	Bellman	Jordan	3750
832	Ocheltree	Owner	10959
833	Nutting	Owner	3000
835	Green	Turner	6500
836	Luthin	Johanson	3000
837	Hanlon	Adams	4400
838	Wood	Woods	4000
842	MacDonald	MacGregor	6000
844	Smith	Owner	30000
845	Palmer	Owner	20000
846	Damgaard	Owner	3000
847	Bickert	Graham	3000
848	Reed	Faulkes	2750
849	Martgrana	Jones	5000
851	Grangrasso	Legault	5700
852	Henshaw	Hopper	12940
853	P. G. & E.	Christensen	1150
854	Byrne	Bartlett	3700
855	Frentrup	Stolte	14250
857	Martin	Krafft	3000
858	Hinch	Healy	3000
860	Hind	Owner	3700
861	Lamb	Owner	5000
862	Hertwig	Sullivan	5000
865	Rolito	Bettencourt	3000
868	Anderson	Owner	3500
869	Fredrickson	Owner	4000
871	Langry	Nunes	5650
872	Pavert	Owner	7950
873	Porter	——	20000
876	Pavert	Owner	7950
877	Buck	Wiliford	5928
880	Faust	Owner	3500
882	Marshall	Owner	3500
884	Chambers	Owner	3000
885	Burnkhorst	Flittner	9500
887	Goranson	Owner	3250
888	Hennings	Owner	11000
889	Goranson	Owner	6500
890	Baker	Owner	4500
892	Assmus	Owner	3000
893	Sloner	Owner	3000
894	Isaacs	Owner	3750
895	MacKay	Owner	3500
896	Sohucke	Johnson	4000
900	Howerd	Baird	4900
901	McLaughlin	Scott	15800
902	Public Health	Cotton	4852
903	Smith	Forbes	975

PERMITS

DWELLINGS
(770) E CALIFORNIA 150, 190, 230, 270 and 310 S Bancroft Way, Berkeley. Five 1-story 5-room dwellings.
Owner—John Fryer, 2620 Durant Ave., Berkeley.
Architect—None.
Contractor—Carpenter & West, 5675 College Ave., Oakland. $3000 each

DWELLING
(771) NO. 801 CONTRA COSTA AVE., Berkeley. One-story 5-room dwelling.
Owner—Mrs. B. F. Thomas, 911 Tulare St., Berkeley.
Architect—None.
Contractor—F. W. Thaxter, 2117 Derby St., Berkeley. $5000

HIDE HOUSE
(773) W FOURTH 110 S Camelia, Berkeley. One-story concrete hide house.
Owner—Manasse Block Tanning Co., 4th and Camelia Sts., Berkeley.
Architect—None.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $4000

DWELLING
(775) NO. 842 INDIAN ROCK AVE., Berkeley. One-story 6-room dwelling.
Owner—Albert N. Johnson, 1727 Stuart St., Berkeley.
Architect—None.
Day's work. $4000

DWELLING
(776) E SAN RAFAEL 100 N Arlington, Berkeley. One-story 5-room dwelling.
Owner—Henry Hink, 2016 Francisco St., Berkeley.
Architect—None.
Contractor—Harry C. Smith, 2011 Francisco St., Berkeley. $5250

DWELLING
(777) NO. 1840 SAN FERNANDO, Berkeley Two-story 7-room dwelling.
Owner—Henry Gede, 1416 Milvia St., Berkeley.
Architect—None.
Day's work. $5000

ALTERATIONS
(779) BROADWAY, SIXTEENTH AND San Pablo, Oakland. Alterations.
Owner—Kahn Bros.
Architect—None.
Contractor—S. Kulchar & Co., 8th Ave. and E-10th St., Oakland. $4000

DWELLING
(782) S EUCALYPTUS ROAD 12 ft. from Berkeley line, Oakland. Two-story 8-room dwelling.
Owner—Mrs. H. G. Peake, 2639 Channing Way, Berkeley.
Architect—W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley.
Contractor—Wm. A. Peterson, 318 Portland Ave., Oakland. $17,208

DWELLING
(784) W RONADA AVE. 150 N Pleasant Valley, Oakland. One-story 5-room dwelling.
Owner—E. L. Gallin, Wells Fargo National Bank Bldg., San Francisco.
Architect—None.
Contractor—M. E. Hopper & Son, 1117 Webster St., Oakland. $5084

ALTERATIONS
(787) NO. 424 THIRTEENTH, Oakland. Alterations.
Owner—Western Union Telegraph Co., 49 Geary St., San Francisco.
Architect—None.
Day's work. $3900

DWELLING
(788) W TWENTY-SEVENTH AVE. 118 S E-16th, Oakland. One-story 6-room dwelling.
Owner—John M. Sharp, 1519 27th Ave., Oakland.
Architect—None.
Contractor—R. Armitage, 1519 27th Ave., Oakland. $3000

DWELLING
(789) E WALLA VISTA AVE. 100 S Elwood, Oakland. One-story 5-room dwelling.
Owner—A. Bannon, Syndicate Bldg., Oakland.
Architect—None.
Contractor—Leo J. Dolan, Syndicate Bldg., Oakland. $3000

DWELLING
(790) W WOODRUFF AVE. 280 S Hampel, Oakland. One-story 5-room dwelling.
Owner—Mrs. Herman, 733 Haight Ave., Alameda.
Architect—None.
Contractor — J. Floyd Perry, 733 Haight Ave., Alameda. $4000

Lewis Roofing and Asbestos Works

180 JESSIE ST. S. F.
Phone Sutter 6700

Branch—2022 University Ave., Berkeley—Phone Berk. 4360

Roof Paints—Roofing Repairs
Shingle Metal Gravel

Asbestos and Magnesia Steam Pipe and Boiler Covering

DWELLING
(791) S YGNACIO AVE. 400 E Cole, Oakland. One-story 5-room dwelling.
Owner—Mrs. Herman, 733 Haight Ave., Alameda.
Architect—None.
Contractor — J. Floyd Perry, 733 Haight Ave., Alameda. $4000

RECORDED

DWELLING
(79-) PTN LOTS 37 AND 38 BLK 7, Lakeshore Highlands, Oakland. All work for two-story frame dwelling
Owner—W. W. Patterson, 545 27th St., Oakland.
Architect—Schirmer Rugbee & Co., Thayer Bldg., Oakland.
Contractor—C. H. Warren, 2615 Derby St., Berkeley.
Filed Feb. 21, '22. Dated Feb. 20, '22.
Sheathed ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days ..... ¼
TOTAL COST, $10,276
Bond, $5176. Sureties, C. C. Quinn and George A. Schuster. Limit, 100 days. Forfeit, none. Plans and specifications filed.

GARAGES
(793) NE NINTH AND JACKSON, Oakland. All work for eleven garages.
Owner—Mrs. F. I. Estill, 192 9th St., Oakland.
Architect—None.
Contractor—G. Siman.
Filed Feb. 24, '22. Dated ——.
Garage floors completed.....$625
Walls material on ground..... 625
Roof completed 625
Completed 625
TOTAL COST, $2500
Bond, limit, forfeit, plans and specifications, none.

STORE
(794) W TELEGRAPH AVE 100 N 24th, 70x—, Oakland. All work for one-story brick store.
Owner—Joe Mortorano, Oakland.
Architect—None.
Contractor—W. S. Hamilton & Leonard Jones, 562 24th St., Oakland.
Filed Feb. 24, '22. Dated Feb. 24, '22.
Roof on $2500
Plastered 1000
Completed 1300
Usual 35 days..... 1000
TOTAL COST, $5800
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
SW THIRTY-EIGHTH AND TELEGRAPH Ave., Oakland. Two-story 24-room tile apartments and garage.
Owner—R. M. and Percy Robins, 3125 High St., Oakland.
Architect—None.
Contractor—Alex C. Wieben, 3602 Fruitvale Ave., Oakland. $27,500
NOTE: Recorded contract reported Feb. 20, 1922, No. 701.

DWELLING
(796) S DELAWARE 125 E Peralta, Oakland. One-story 5-room dwlg.
Owner—L. E. Simmonds, 3802 Canon Ave., Oakland.
Architect—None.
Day's work. $3000

DWELLINGS
(798) E HAVENSCOURT 400 and 437 N E-14th, Oakland. Two one-story 5-room dwellings.
Owner—L. Saroni, 806 Howard St., San Francisco.
Architect—None.
Contractor—C. P. Pond, 1165 Ashmount Ave., Oakland $2800 each

DWELLINGS
(799) E SIXTY-SIXTH AVE 800 and 840 N E-14th, Oakland. Two one-story 5-room dwellings.
Owner—L. Saroni, 806 Howard St., San Francisco.
Architect—None.
Contractor—C. P. Pond, 1165 Ashmount Ave., Oakland. $2800 each

DWELLING
(800) S ROSAL AVE 300 W Lakeshore Ave., Oakland. One-story 5-room dwelling.
Owner—Mrs. F. S. Riegelhaupt.
Architect—None.
Contractor—Jas. L. Rich, 243 42nd St., Oakland. $4000

DWELLING
N LONGRIDGE ROAD 200 W Mandana Path, Oakland. Two-story 6-room dwelling.
Owner—W. W. Patterson.
Architect—Schirmer Bugbee & Co., Thayer Bldg., Oakland.
Contractor—C. H. Warren, 2615 Derby St., Berkeley. $10,000

DWELLING
(802) NO. 1635 KAINS AVE., Berkeley. One-story 7-room dwelling
Owner—G. V. Liotta, 1628 Kains Ave., Berkeley.
Architect—None.
Day's work. $3000

DWELLING
(804) NO. 1231 ORDWAY, Berkeley. One-story 5-room dwelling.
Owner—Mrs. H. M. Bryson, Premises.
Architect—None.
Day's work. $2500

ADDITION
(805) THIRD AND CAMELIA STS., Berkeley. Addition.
Owner—Manasse Block Tanning Co., Premises.
Architect—None.
Contractor—H. C. Kidder, 2108 Addison St., Berkeley. $3600

DWELLING
(806) E ALMA AVE 250 S Excelsior, Oakland. One and one-half-story 6-room dwelling.
Owner—C. W. Cary, 22nd and Webster Sts., Oakland.
Architect—None.
Contractor—A. T. Hendricks, 47 Fairview Ave., Piedmont. $5000

DWELLING
(807) E BEST 120 N Fleming, Oakland. One-story 5-room dwelling.
Owner—Harry L. Boyle, 2829 Kingsland Ave., Oakland.
Architect—None.
Contractor—Harry W. Isaacs, 2800 Modesto Ave., Oakland. $3750

STORES
(809) W BROADWAY 50 S Second St., Oakland. One-story brick stores.
Owner—Dora Bercovich.
Architect—E. D. Voorhees, 1929 West St., Oakland.
Contractor—M. F. Sommarstrom, 3145 Champion St., Oakland. $6400

DWELLING
(812) W KINGSLAND AVE 320 N Fleming, Oakland. One-story 5-room dwelling.
Owner—Harry L. Boyle, 2829 Kingsland Ave., Oakland.
Architect—None.
Contractor—Harry W. Isaacs, 2800 Modesto Ave., Oakland. $3750

DWELLING
(813) E MIDVALE AVE 165 S Kansas, Oakland. One-story 4-room dwlg.
Owner—Anton Wilcox, 2581 Hopkins St., Oakland.
Architect—None.
Day's work. $2500

DWELLING
(814) E MANILA AVE 180 N 45th St., Oakland. One-story 5-room dwlg.
Owner—Whalen & Carlos, Federal Bldg., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(815) W MANILA AVE 199 N 45th St., Oakland. One-story 5-room dwlg.
Owner—Whalen & Carlos, Federal Bldg., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(816) S PRINCE 50 E York St., Oakland. One-story 6-room dwelling.
Owner—Lena M. Schmidt, 5529 Thomas St., Oakland.
Architect—None.
Contractor—R. J. Schmidt. $4900

DWELLING
(817) E RANSOME AVE 110 N Santa Rita, Oakland. One-story 5-room dwelling.
Owner—J. M. Bandy, 5301 Dover St., Oakland.
Architect—None.
Day's work. $3000

APARTMENTS
(818) E TELEGRAPH AVE 260 N 34th St., Oakland. Two-story 12-room stores and apartments.
Owner—G. E. Stroll
Architect—None.
Contractor — Robt. H. McBeth, 1050 Stanage Ave., Pidemont. $14,720

DWELLING
(819) SE VERMONT AND PRINCE, Oakland. One-story 6-room dwlg.
Owner—Jos. Alvares, 1089 28th St., Oakland.
Architect—None.
Day's work. $5000

RECORDED

ALTERATIONS
(820) NO. 3135 FILBERT ST., Oakland. All work for alterations and additions.
Owner—O. W. Stahl & William Singer (Imperial Soda Works Co.), Prem.
Architect—Charles F. Masten & Lester W. Hurd, 1429 Bonita St., Oakland.
Contractor—Vernon E. Thorp, 4487 39th Ave., Oakland.
Filed Feb. 27, '22. Dated Feb. 20, '22.
Frame up in barn section..... ¼
Balance frame up..... ¼
Accepted ..... ¼
Usual 35 days..... ¼
TOTAL COST, $3878
Bond, none. Limit, May 8. Forfeit, none. Plans and specifications filed.

SERVICE STATION
(821) NE CLAREMONT AND ASHBY Aves., Berkeley. All work except material, storage tanks, electric fixtures, lamps, motors, electroliers, pumping equipment, free air units, pipe, fittings and valves for steel service station and comfort station.
Owner—Associated Oil Co., 1100 Webster St., Oakland.
Architect—None.
Contractor—J. Catucci, 1212 18th Ave., Oakland.
Filed Feb. 27, '22. Dated Feb. 17, '22.
10 days after completed and accepted 75%
Usual 35 days. 25%
TOTAL COST, $3985
Bond, $3985 Surety, National Surety Co. Limit forfeit, none. Plans and specifications filed.

APARTMENTS
(822) LOT 53 BLK. 837 Piedmont-by-the-Lake, Oakland. Two-story frame apartments.
Owners—C. C. Meyers and Maria L. Meyers, 4302 West St., Oakland
Architect—None
Contractor—A. T. Hendricks, 47 Fairview Ave., Piedmont.
Filed Feb. 27, '22. Dated Dec. —, '21
Foundation in and lumber on grounds $3000
Frame up 3500
Plastered 3500
Usual 35 days.....balance
TOTAL COST, $10,700
Bond, none. Limit 80 days after Dec. 10, 1921 Forfeit, none. Plans and specifications, none.
NOTE—Permit reported Dec. 9, 1921, No. 4393.

STORES AND FLAT
(823) LOT 18 BLK 8 Map Melrose Heights, Oakland. Two-story frame stores and flat.
Owner—Joseph Grangrasso, Oakland.
Architect—None.
Contractor—Oliver Legualt, 3004 Market St., Oakland.
Filed Feb. 27, '22. Dated Feb. 28, '22
Frame up .....¼
Brown coated .....¼
Completed and accepted.....¼
Usual 35 days.....¼
TOTAL COST, $5,700
Bond, none. Limit, 90 days. Forfeit, $3 day. Plans and specifications filed.

APARTMENTS
(824) SE HARRINGTON AVE. AND San Juan St., Oakland. Two-story frame apartments.
Owner—A. E. Elliott, 1726 Bridge Ave., Oakland.
Architect—None.
Contractor—Jas. B. Petersen, 2053 38th Ave., Oakland.
Filed Feb. 27, '22. Dated Feb. 24, '22
Frame up $2440
Plastered 2440
Completed and accepted..... 2440
Usual 35 days..... 2441
TOTAL COST, $9,761
Bond, none. Limit, 90 days. Forfeit, $1.00 day. Plans and specifications, none.

DWELLING
MORAGA ROAD, Oakland. Two-story 7-room dwelling.
Owner—Dr. Mohney, Moraga Road, Okd
Architect—None.
Contractor—M. A. Rose, 5801 Dover St., Oakland $10,400

DWELLING
(825) RICARDO AVE., bet. Arroyo and Artuna Ave., Piedmont One and one-half story frame dwelling and garage.
Owner—Mrs. C. F. Ford, 2532 Piedmont Ave., Berkeley.
Architect—None.
Contractor—L. L. Lucas, 555 59th St., Oakland. $5000

DWELLING
(826) PALA AVE., Lot 102, Piedmont. Two-story 8-room frame dwelling.
Owner—M. P. Brasch, 2731 Ashby Ave. Berkeley.
Architect—None.
Day's work $7006

DWELLING
(827) HIGHLAND AVE., Lot 6, Vernal Terrace, Piedmont Two-story 6-room dwelling.
Owner—F. C. Howe, 418 Blair St., Okd
Architect—None
Contractor—M. G. Hopper, 1117 Webster St., Oakland $7000

DWELLING
(828) FAIRVIEW AVE, Lot 25, Piedmont. One-story 6-room frame dwelling
Owner—R. H. Chamberlain Jr., Syndicate Bldg., Oakland.
Architect—None.
Contractor—C. E. Burks, 4129 Randolph Ave., Oakland $3800

DWELLING
(829) NOVA DRIVE, Lot 108, Piedmont One-story 6-room dwelling
Owner—B. S. Booth 375 Euclid Ave., Oakland.

Architect—None.
Contractor—S. A. Warner, 351 12th St., Oakland. $5000

DWELLING
(830) NO. 2010 ACTON ST., Berkeley. One-story 5-room dwelling.
Owner—P. J. Healy, 39 Nace Ave., Piedmont.
Architect—None.
Day's work. $3060

DWELLING
(831) NO. 1139 ALAMEDA, Berkeley. One-story 5-room dwelling.
Owner—V. Bellman, 1523 Josephine St., Berkeley.
Architect—None.
Contractor—Jordan & Zeile, 2544 Milvia St., Berkeley. $3750

APARTMENTS
(832) NO. 1301 BONITA ST., Berkeley. Two-story 16-room apartments.
Owner—G. B. Ocheltree, % Juster & Baird, 2027 Shattuck Ave., Bkly.
Architect—None.
Day's work. $10,950

DWELLING
(833) NO. 1137 CARLTON ST., Berkeley. One-story 6-room dwlg.
Owner—E. J. Nutting, 2037 Hayes St., San Francisco.
Architect—None.
Day's work. $3000

DWELLINGS
(835) NO. 1228 AND 1232 MASONIC Ave., Berkeley. Two one-story 5-room dwellings.
Owner—Herbert Green, 4238 Park Blvd Oakland.
Architect—None.
Contractor — Fred Turner, 2738 14th Ave., Oakland. $3250 each

DWELLING
(836) NO. 1316 ORDWAY, Berkeley. One-story 5-room dwelling.
Owner — Harry Luthin, 1319 Peralta Ave., Berkeley.
Architect—None.
Contractor—G. Jonanson, 1357 Northvale St., Berkeley. $3000

DWELLING
(837) NO. 653 SAN MIGUEL, Berkeley. One-story 7-room dweling.
Owner—R. Y. Hanlon, Los Gatos.
Architect—None.
Contractor—W. E. Adams, 4319 Gilbert St., Berkeley. $4400

DWELLING
(838) NO. 1527 TACOMA AVE., Berkeley. One-story 6-room dwelling.
Owner—C. C. Wood, 63 Lapidge St., San Francisco.
Architect—None.
Contractor—Woods & McConnell, 2964 California St., San Francisco. $4000

DWELLING
(842) N FIFTY-NINTH 200 E Patton, Oakland. One-story 6-room dwlg.
Owner—W. I. MacDonald, 1731 Broadway, Oakland.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland. $6000

APARTMENTS
(844) NW HADDON ROAD AND Excelsior, Oakland. Three-story 33-room apartments.
Owner — M. F. Smith, 1001 Excelsior Ave., Oakland
Architect—None.
Day's work. $30,000

GARAGE
(845) NW NINETEENTH & JACKson, Oakland. One-story concrete garage.
Owner—P. A. Palmer, Monadnock Bld., San Francisco.
Architect—None.
Day's work. $20,000

DWELLING
(846) SE SIXTY-FIFTH AVE AND Flora St., Oakland. One-story 5-room dwelling.
Owner—S. Damgaard, 1352 84th Ave., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(847) E SIXTY-SEVENTH AVE 402 S Flora St., Oakland. One-story 5-room dwelling.
Owner—Max Bickert, 1826 64th Ave., Oakland.
Architect—None.
Contractor—C. H. Graham, 4228 E-16th St., Oakland. $3000

DWELLING
(848) W SEMINARY AVE 50 N Bond St., Oakland. One-story 4-room dwelling.
Owner—F. M. Reed.
Architect—None.
Contractor—J. R. Faulkes, 9828 E-14th St., Oakland. $2750

STORES
(849) W TELEGRAPH AVE 100 N 24th St., Oakland. One-story brick stores.
Owner—J. Martgrana, 3415 Telegraph Ave., Oakland.
Architect—None.
Contractor—Jones & Hamilton, 562 24th St., Oakland. $5000

DWELLING
(851) E YGNACIO at Trask St., Oakland. Two-story stores and dwelling.
Owner—G. Grangrasso, 3601 Piedmont Ave., Oakland.
Architect—None.
Contractor—Oliver Legault, 3004 Market St., Oakland. $5700

RECORDED

DWELLING
(852) NE KING AND LA SALLE Aves., Piedmont. All work except grading, brick, lathing, plastering, tile, electric, plumbing, painting, papering, heating, finish hardware, electric fixtures and shades for a two-story and basement frame dwelling.
Owner—Mrs. G. T. Henshaw, 1143 6th Ave., Oakland.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.
Contractor—M. E. Hopper & Son, 1117 Webster St., San Francisco.
Filed Feb. 28, '22. Dated Feb. 24, '22
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $12,940
Bond, $6,470. Sureties, Robert Howden & Sons, and W. H. London. Limit, without delay. Forfeit, $5.00 day. Plans and specifications filed.

ROLLING DOORS
(853) SECOND AND WASHINGTON, Oakland. Six rolling wood doors.
Owner— Pacific Gas and Electric Co.
Architect—Wm. Knowles, Call Bldg., San Francisco.
General Contractor — Cahill Vensano Co., 110 Sutter St., San Francisco.
Sub-contractor — Charles Christensen Co.
Filed Feb. 28, 22. Dated Feb. 24, '22
Monthly payments 75%
Usual 35 days 25%
TOTAL COST, $1,150
Bond, none. Limit, none. Forfeit, none. Plans and specifications, none.

DWELLING
(854) E OXFORD 260 N Rose N 38 E 135, Berkeley. Frame dwelling.
Owners—Florence M. Byrne, Trustee; Florence M. Byrne individually; Maria M. and Kate F. Byrne, 1313 Oxford St., Berkeley.
Architect—None.
Contractor—John M. Bartlett, 351 12th St., Oakland.
Filed Feb. 28, '22. Dated Feb. 23, '22
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $3,700 plus ½ profit made on sale of lot and building.
Bond none. Limit, 90 days after Feb. 21, 1922. Forfeit, none. Plans and specifications filed.

APARTMENTS
(855) LOT 12 BLK 1563, 50x120, E Eton Ave. between Woolsey and Claremont, Berkeley. Sixteen-room apartments.
Owners—Emma L. and L. A. Frentrup, 3115 Eton Ave., Berkeley.
Architect—None.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland.
Filed Feb. 27, '22. Dated Feb. 18, '22
Frame up ..... ¼
Brown coated ..... ¼
Complete dand accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $14,250
Bond, $3600. Sureties, A. P. Pollard and S. C. Broderick. Limit, 100 days. Forfeit, none. Plans and specifications filed.

DWELLING
(857) NO. 1819 BLAKE ST., Berkeley One-story 5-room dwelling.
Owner—Julia A. Martin.
Architect—None.
Contractor—J. W. Krafft, 1904 University Ave., Berkeley. $3000

DWELLING
(858) NO. 2419 EDWARDS ST., Berkeley. One-story 5-room dwelling.
Owner—J. T. Hinch, Federal Bldg., Oakland.
Architect—None.
Contractor—P. J. Healy 39 Nace Ave., Piedmont. $3000

DWELLING
(860) NO. 1424 MILVIA ST., Berkeley. One-story 6-room dwelling.
Owner—H. T. Hind 1426 Milvia St., Berkeley.
Architect—None.
Day's work. $3700

DWELLING
(861) NO. 1760 SAN PEDRO, Berkeley. One-story 5-room dwelling.
Owner—E. R. Lamo, 1126 Poplar St., Oakland.
Architect—None.
Day's work. $5000

DWELLING
(862) NO. 1132 WALNUT, Berkeley. Two-story 7-room dwelling.
Owner—Raymond Hertwig.
Architect—None.
Contractor—John Sullivan, 6452 Harmon Court, Oakland. $5000

DWELLING
(865) FRUITVALE EXTENSION, Oakland. One-story 6-room dwelling.
Owner—M. P. Rolite 4482 Howe St., Oakland.
Architect—None.
Contractor—J. C. Bettencourt, 1312 96th Ave., Oakland $3000

DWELLING
(868) NE LYON & THIRTY-EIGHTH Ave., Oakland One-story 5-room dwelling.
Owner—A. F. Anderson, 2384 E-22nd St., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(869) E VERMONT 82 N Prince, Oakland. One-story 5-room dwlg
Owner—Karl S. Frederickson, 542 Montclair Ave., Oakland.

Architect—None.
Day's work.. $4000

RECORDED

DWELLING
(871) LOT 29 BLK 13, Map Northbrae, Berkeley. All work for one-story six-room dwelling.
Owner—J. C. Langry, Berkeley.
Architect—None.
Contracter—George W. Nunes, 5430 Dover St., Oakland.
Filed Mar. 1, '22. Dated Feb. 17, '22.
Frame up.....$1400
Brown coated 600
Work commenced, deed of trust 3650
TOTAL COST, $5650
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLINGS
(872) NO. 1701 AND 1705 DELAWARE St., Berkeley. Two one-story 5-room dwellings.
Owner—R. J. Pavert, 1st National Bank Bldg., Berkeley.
Architect—None.
Day's work. $3975 each

ADDITION
(873) SE DURANT AND SHATTUCK Aves., Berkeley. Add one-story to garage.
Owner—Blanche L. Porter, Piedmont.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Segregated contracts. $20,000

DWELLINGS
(876) NO. 1739 AND 1743 McGee, Berkeley. Two one-story 6-room dwellings.
Owner—R. J. Pavert 1st National Bank Bldg., Berkeley.
Architect—None.
Day's work. $2975 each

DWELLINGS
(877) MADISON ST. near Mound, Alameda. Four one-story 4-room dwellings.
Owner—E. Todd and C. Buck, 1218 College Ave., Alameda.
Architect—None.
Contractor — Howard Williford, 3265 Central Ave., Alameda.
$1482 each

DWELLING
(880) NO. 911 SANTA CLARA AVE. Alameda. One story 5-room dwlg.
Owner—A. H. Faust, 906 Santa Clara Ave., Alameda.
Architect—None.
Day's work. $3500

DWELLING
(882) N BROADWAY TERRACE 200 E Belgrave, Oakland. One-story 5-room dwelling.
Owner—Howard Marshall, 480 Forest St., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(884) SE FOURTEENTH AND EAST 23rd St., Oakland. One-story 5-room dwelling.
Owner—J. F. Chambers, Plaza Bldg., Oakland.
Architect—None.
Day's work. $3000

FLATS
(885) S FORTY-FIRST 400 E Telegraph, Oakland. Two-story 11-room flats.
Owner—H. C. Brunkhorst, 139 29th St, San Francisco.
Architect—None.
Contractor—Jos. Flittner, 1700 35th Ave., Oakland. $9500

DWELLING
(887) SE HOPKINS ST & LAGUNA Ave., Oakland. One-story 5-room dwelling.
Owner—H. Goranson, 3476 Laguna Ave, Oakland.
Architect—None.
Day's work. $3250

FLATS
(888) N FIFTY-FIFTH 240 W Genoa, Oakland. Two-story 16-room flats.
Owner—J. E. Hennings, 868 55th St., Oakland.
Architect—None.
Day's work. $11,000

DWELLINGS
(889) S HOPKINS ST. 50 and 90 E Rhoda Ave., Oakland. Two 1-story 5-room dwellings.
Owner—H. Goranson, 3476 Laguna Ave, Oakland.
Architect—None.
Day's work. $3250 each

DWELLING
(890) N LERIDA AVE. 350 W Carlston, Oakland. One-story 6-room dwelling.
Owner—W. J. Baker, 2255 Ransome Ave., Oakland.
Architect—None.
Day's work. $4500

DWELLING
(892) N NICOL 100 E Fruitvale. One-story -5room dwelling.
Owner—Carl Assmus, 1250 Rhoda Ave., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(893) E PIEDMONT AVE. 185 N Pleasant Valley Ave., Oakland. One-story 5-room dwelling.
Owner—M. B. Stoner, 4115 Redding St, Oakland.
Architect—None.
Day's work. $3000

DWELLING
(894) E RAWSON AVE. 600 E Fleming Ave., Oakland. One-story 5-room dwelling.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLING
(895) E SIXTY-FIFTH AVE. 300 N Flora Ave., Oakland. One-story 5-room dwelling.
Owner—D. MacKay, 4303 E-14th St., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(896) E SIXTIETH AVE. 40 S Scenic Ave., Oakland. One-story 6-room dwelling.
Owner—Mrs. M. A. Schucke, 1511 Myrtle St., Oakland.
Architect—None.
Contractor—O. R. Johnson, 3131 Talbot Ave., Oakland. $4000

DWELLING
(900) E WALKER AVE. 125 N Weldon, Oakland. One-story 6-room dwelling.
Owner—Ruth A. Howerd, 166 Euclid Ave., San Leandro.
Architect—None.
Contractor—Leroy M. Baird, 1450 Alice St., Oakland. $4900

RECORDED

STORE BUILDING
(901) S SIXTEENTH 50 E Jefferson E 112.5 S 103.75, Oakland. One-story brick store building.
Owner—David McLaughlin, Lillian S. Fuller, Robert Dalziel, Jr. and W. Morgan.
Architect—Louis S. Stone, Albany Bldg., Oakland
Contractor—George A. Scott, 685 23rd St., Oakland.
Filed Mar. 2, '22. Dated Feb. 27, '22
Brick work 1-story high.....¼
Plastered .....¼
Completed and accepted.....¼
Usual 35 days.....¼
TOTAL COST, $15,800
Bond, $7900. Sureties, C. M. MacGregor and Carl T. Doell. Limit, 60 days. Forfeit, none. Plans and specifications filed.

PLUMBING
(902) SW EAST ELEVENTH AND 2nd Ave., Oakland. Plumbing.
Owner—Public Health Center of Alameda County.
Architect—Construction Department of Oakland Board of Education.
Contractor — Thos. R. Catton, 2327 Prince St., Berkeley.
Filed Mar. 2, '22. Dated Feb. 28, '22
3rd of each month.....75%
Usual 35 days.....25%
TOTAL COST, $4,852
Bond, $2426. Surety, Globe Indemnity Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

DWELLING
(903) LOCATION NOT GIVEN. One-story 2-room dwelling.
Owner—Mrs. Ellen Smith, Oakland.
Architect—None.
Contractor—J. W. Forbes, 841 Union St., Oakland.
Filed Mar. 2, '22. Dated Feb. 20, '22
Frame up 1/5
Ready for plaster 1/5
Plastered 1/5
Completed and accepted.....1/5
Usual 35 days 1/5
TOTAL COST, $975
Bond, none. Limit, none. Forfeit, none. Plans and specifications, none.

DWELLING
NO. 1320 BAY ST., Alameda. Two-story 6-room dwelling.
Owner—H. C. Hacke, Alameda.
Architect—Carl Werner, Humboldt Bk. Bldg., San Francisco.
Contractor—Clarke & Allan, 5805 Harmon Ave., Oakland. $7400

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted

Mar. 1, 1922— (1) NW SUNNYSIDE Drive 363 NE E-14th NE 40 NW 181.56 SW 40 SE 181.54; (2) NW Sunnyside Drive 417 NE E-14th NE 40 NW 181.61 SW 40 SE 181.59; (3) NW Sunnyside Drive 523 NE E-14th NE 40 NW 181.66 SW 40 SE 181.63; (4) SE Sunnyside Dr 923 NE E-14th NE 37.75 NE 15.71 SE 59.64 NE 94.25 SE 49.77 SW 107.47 NW 179.58; (5) SE Sunnyside Drive 643 NE E-14th NE 40 SE 179.77 SW 40 NW 179.80; (6) SE Sunnyside Drive 563 NE E-14th NE 40 SE 179.83 SW 40 NW 179.86, San Leandro. Darling, Harding & Co to whom it may concern.....Feb. 28, 1922
Mar. 1, 1922—LOT 12 BLK "F" Map East Piedmont Heights, Oakland. M Barnett and Chas Meyerstein to Harry Schwalen.....Mar 1, 1922
Mar. 1, 1922—N TENTH 75 E Jackson E 25xN 100 Oakland Charles H Hutchins to whom it may concern.....Sept. 15, 1921
Feb. 28, 1922—(1) SW MANOR AVE and Harris Road; (2) SW Manor Ave 125 E SE Harris Road, Eden Tp A M Dorman to whom it may concern.....Feb 1, 1922
Feb. 28 1922—LOT 18 BLK A Map Elmwood Park, Berkeley. F J Kockritz to Harry C Knight.....Jan 18, 1922
Feb 27 1922—S 30 LOT 10 BLK "B" Map Linda Rosa Tract, Oakland. Leon E Glacier to whom it may concern.....Feb 25, 1922
Feb 27 1922—SW E-TWENTY-Eighth and SE 19th Ave SE 40xSW

105, Oakland. A P Anderson to whom it may concern..Feb. 20, 1922
Feb. 25, 1922—NE SUNNYSIDE DR and E-14th being No. 382 E-14th St., San Leandro. Minnie Irene Hall to Allen & Clark..Feb. 1, 1922
Feb. 25, 1922—PTN PLOT 40 Map Ranchos V & D Peralta, Emeryville. E Winsby to Alfred Peterson.....Feb. 16, 1922
Feb. 25, 1922—E MARKET 481 S First S 200xE 100, Oakland. P G & E Co to The Steel Tank & Pipe Co of Calif.....Feb. 15, 1922
Feb. 24, 1922—FIRST & WEBSTER, Oakland. S. P. Co to Malott & Peterson.....Feb. 18, 1922
Feb. 24, 1922—E THIRTY-FOURTH 387.2 N 14th St Fruitvale, Oakland. Roman Catholic Archbishop of San Francisco to Fennell & Chisholm.....Feb. 23, 1922
Feb. 24, 1922—NW 32 LOT 22 Map Allendale Park, Oakland. Celestine Anderson to whom it may concern.....Feb. 1, 1922
Feb. 24, 1922—LOT 17 Map Sheffield Heights, Oakland. Louis J Ranis and Hulda Ranis to Joseph Parker .....Feb. 20, 1922
Feb. 24, 1922—COR. DANA ST. AND Allston Way, Berkeley. Pacific Unitarian School for Ministry to D Zelinsky & Sons, Feb. 18; Roberts Mfg Co, Feb. 23; D N & E Walter & Co, Feb. 23; Butte Electric & Mfg Co, Feb. 15; Snead & Co, Feb. 15; L D Frazee, Feb. 15; Barrett & Hilp.....Feb. 15, 1922

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
Mar. 1, 1922—LOT "B" Map Waterside Terrace, Alameda. National Mill & Lumber Co vs M E Whitney $600.50
Mar. 1, 1922—LOT 33 BLK 2 Map Thousand Oaks Station Tract, Berkeley. F & V Montano vs Blanche and William H Wehrlie.....$320
Mar. 1, 1922—SW COR. C & CASTRO Sts E 83xS 60, Hayward. Quist Bros & Co vs Peter Caviglia and Manuel Joseph $89.89
Feb. 25, 1922—LOT 38 BLK 2 Map 4th Ave Heights, Oakland. Rhodes Jamieson & Co vs W C and Lela Gardner, A T Hendricks and A McGuiness $279.90
Feb. 25, 1922—LOT 39 BLK 2 Map Fourth Ave Heights, Oakland. Rhodes-Jamieson & Co vs Myrtle Harmon, A T Hendricks and A McGuiness $286.15
Feb. 25, 1922—N 12½ LOT 21 and S 24½ Lot 22 Blk C, Map Evoy Tract, Oakland. Hogan Lumber & Mill Co vs A T Hendricks and M and Annie Geraghty $321.56

Notice of Non-Responsibility

ALAMEDA COUNTY

Feb. 28, 1922—SW 12½ LOT 2, all Lot 3 Blk 2, Map Key Route Heights, Oakland. Alameda Investment Co as to improvements on property .....

HOMESTEADS

ALAMEDA COUNTY

Mar. 2, 1922—N FORTY-FIRST 140 W Webster St W 38 N 93.28, Oakland. Lulu M Behler (wf F L)..$1500
Mar. 2, 1922—W THOMAS AVE 343 S Prospect Drive S 41 W 100, Oakland. Benjamin Nedderman...$5000
Mar. 1, 1922—E BURBANK 292 S Central Ave S 38xE 110, Alameda. Mabel P Young (wf Bertram N)... .....$5000
Mar. 1, 1922—W HARPER 520 N Mason N 40xW 122-4, Berkeley. Anna E Gordon (wf Henry S).....$4250
Feb. 28, 1922—S ASHBY AVE 100 E Sacramento E 50xS 135, Berkeley. William Miles $3500
Feb. 28, 1922—W LINDEN 210-6 N 26th N 52xW 132, Oakland. Annie D Macdonald (wf Robert B)...$4500
Feb. 27, 1922—LOT 5 BLK 7, Map San Pablo Park, Berkeley. Adelaide E Dickinson (wf P L).....$4500
Feb. 25, 1922—S E-THIRTY-SECOND 25 W Summit W 33-4xS 100, Oakland. Olive W Lawrence (wf William H).....$3000
Feb. 24, 1922—LOT 41 Map Myers & White Tract, Oakland. Mary Crusko (wf Manuel) $2500
Feb. 24, 1922—PTN BLK L MAP Vernon Park, Oakland. Kathleen M Miller (wf George W).....$5000
Feb. 24, 1922—S THIRTY-SECOND 310 E Grove E 40 S 140, Oakland. Imelda Gallagher (wf Frank P) $5000

CITY OF OAKLAND BUILDING SUMMARY FOR FEBRUARY, 1922

Classification of Buildings	No. of Permits	Cost
1-story dwellings.....	187	$571,964
1½-story dwellings.....	5	19,500
1½-story dwlgs & stores	1	5,000
2-story dwellings.....	15	127,472
2-st dwlgs & stores.....	1	5,750
2-story flats.....	2	13,000
2-story apartments.....	2	30,000
2-story apts & stores....	1	14,720
3-story apartments.....	2	53,493
1-story stores.....	8	31,700
1-story warehouse.....	1	1,800
1-story factory.....	1	4,000
1-story boiler room.....	1	1,000
3-st Health Center bldg.	1	57,525
1-story church building..	1	20,000
1-story brick armory....	1	30,000
1-story brick garages...	2	17,000
1-st brick smoke house.	1	450
1-st brick service station	1	8,500
2-story brick school....	1	156,000
1-st brick warehouse...	1	25,000
1-st bk mchne shop Add'l cost		2,500
1-story brick stores.....	2	11,400
1-story tile dwelling....	1	4,000
1-story tile stores.....	2	13,500
1-story tile garage.....	3	1,650
2-story tile apartments..	1	26,500
1-story concrete garage.	1	20,000
Concrete foundation....	2	46,490
1-st steel service station	1	950
1-story office.....	1	2,000
1-story shop.....	1	550
Roof signs.....	2	855
Electric signs.....	15	4,825
Garages & sheds.....	123	18,983
Tank frames.....	2	450
Additions	47	26,131
Alterations & repairs....	97	50,114
Total	537	$1,424,772
SUMMARY		
New construction.....	440	$1,374,658
Alterations & repairs...	97	50,114
Total	537	$1,424,772

PIERCE-BOSQUIT
Abstract & Title Co.
Capital Stock $100,000
Sacramento, Placerville, Nevada City, Reno
SACRAMENTO OFFICE
ROSS E. PIERCE, Manager
905 SIXTH STREET

ARCHITECT'S CERTIFICATE

ALAMEDA COUNTY

Mar 2, 1922—Morton A. Williams has filed his certificate of architecture for Alameda County.
Feb. 28, 1922—Ralph E. Wastell, 1369 Broadway, Oakland, has filed his Certificate of Architecture for Alameda County.

BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 and Over Reported

FLATS
NO. 1811 X ST., Sacramento. Two-story frame flats (2 4-room flats).
Owner—J. Machado, 1815 X St., Sacramento.
Architect—None.
Contractor—J. Lucas, 1604 V St., Sacramento. $9000

FLATS
NO. 3454 Y ST., Sacramento. Two-story frame (3) flats and store.
Owner—C. T. Hazlett.
Architect—None.
Contractor — Danimier & Harshaw, 3415 2nd St., Sacramento. $7500

GARAGE
NO. 309 THIRTEENTH ST., Sacramento Private garage.
Owner—F. Frieske, 309 13th St., Sacramento.
Architect—None.
Day's work. $7500

DWELLING
NO. 2627 E ST., Sacramento. One-story frame 5-room dwelling.
Owner—Eva L. Archibald, 1631 20th St., Sacramento.
Architect—None.
Day's work. $3000

BUILDING
E ½ LOT 7 P. Q. 23rd and 24th Sts., Sacramento. Building.
Owner—Geo. T. Putman, 721 F St., Sacramento.
Architect—None.
Contractor—W. E. Truedale and J. C. Martin, 2320 13th St., Sacramento. $5400
Filed Feb. 18, '22. Dated Feb. 14, '22

FLATS
NO. 1041-43 THIRTY-THIRD ST., Sacramento. Two-story frame (3) flats and garage.
Owner—J. S. Powers, 701 11th St., Sacramento.
Architect—None.
Contractor—L. C. Vertrees, 900 21st St., Sacramento. $6000

DWELLING
NO. 3940 U ST., Sacramento. One-story 4-room dwelling.
Owner—Mabel Lambert, 3948 U St., Sacramento.
Architect—None .
Day's work. $2500

REPAIRS
NO. 2401 DONNER ST., Sacramento General repairs on garage.
Owner—H. X. King, Premises.
Architect—None.
Day's work. $2500

DWELLING
NO. 1608 W ST., Sacramento. One-stery 5-room dwelling and garage.
Owner—F. L. Terra, 1704 W St., Sacramento.
Architect—None.
Day's work. $2500

DWELLING
NO. 310 C ST., Sacramento. One-story 5-room dwelling and garage.
Owner—Geo. Coleman, Box 292, Riverside Road, Sacramento.

Architect—None.
Day's work. $2500

DWELLING
NEAR W. P. SHOPS on property of Union Ice Company, Sacramento. Dwelling for artificial ice plant.
Owner—W. C. Phillips Co.
Architect—None.
Contractor—Daniel R. Wagner, Call Bldg., San Francisco. $16,000
Filed Feb. 23, '22. Dated Feb. 18, '22.

DWELLING
NO. 2526 H ST., Sacramento. One-story 5-room dwelling.
Owner—Chas. Lihman, 724 H St., Sacramento.
Architect—None.
Day's work. $3000

DWELLING
NO. 2147 FOURTH AVE., Sacramento. One-story 6-room dwelling.
Owner—Mrs. Annie E. Horetherne, 2155 4th Ave., Sacramento.
Architect—None.
Contractor—C. F. Smith, 1065 44th St., Sacramento. $4900

ADDITION
½ MILE OFF HIGHWAY to Fair Oaks and 12 miles from Sacramento. Addition to residence.
Owner—Wm. H. Devlin, California Fruit Bldg., Sacramento.
Architect—None.
Contractor—W. L. Chatterton, 3101 T St., Sacramento. $3400
Filed Feb. 24, '22. Dated Feb. 21, '22.

DWELLING
NO. 2341 FORTY-FIRST ST., Sacramento. One-story 5-room dwelling.
Owner—L. W. and Edw. Averill, 822 16th St., Sacramento.
Architect—None.
Day's work. $3500

WORKSHOP
NO. 808-12 TWELFTH ST., Sacramento. One-story workshop.
Owner—Porter & Sprague, 722 12th St., Sacramento.
Architect—None.
Contractor—H. D. Hudnutt, California Fruit Bldg., Sacramento. $11,000

DWELLING
NO. 1057 THIRTY-EIGHTH ST., Sacramento. One-story six-room frame dwelling and garage.
Owner—Green & Harrigan, 708 J St., Sacramento.
Architect—None.
Day's work. $3900

DWELLING
NO 1057 THIRTY-SEVENTH ST., Sacramento. One-story 5-room dwelling and garage.
Owner — Green & Harrigan, 708 J St., Sacramento
Architect—None.
Day's work. $2900

LIENS FILED

SACRAMENTO COUNTY.

Recorded Amount
Feb. 24, 1922—LOT 6 BLK 11, Natomas Sub, Sacramento. Newton Larson vs Wm Larsen et al.....$611

Notice of Non-Responsibility

SACRAMENTO COUNTY

Feb. 27, 1922—W ½ LOT 3, K, L, 7th and 8th Sts., Sacramento. D M Combs as to improvements on property .....

BUILDING CONTRACTS

FRESNO COUNTY.

$5,000 and Over Reported

DWELLING
NO. 1690 COLLEGE AVE., Fresno. Dwelling.
Owner—Alice Dorsey, 108 North Van Ness Ave., Fresno.
Architect—None.
Day's work. $7500

DWELLINGS
NO. 316 DIANA ST. and No. 2015 McKenzie Ave., Fresno. Two dwellings.
Owner—F. M. Pennington, 2021 McKenzie Ave., Fresno.
Architect—None.
Contractor—Jelly & Son. $2850 each

DWELLINGS
NO. 1622 AND 1628 DEL MAR AVE., Fresno. Two dwellings.
Owner—H. T. Humphreys, 1245 Linden St., Fresno.
Architect—None.
Day's work. $3500 each

DWELLING
NO. 4044 KERCKHOFF AVE., Fresno. Dwelling and garage.
Owner—C. E. Buckmaster, 3220 Platt St., Fresno.
Architect—None.
Day's work. $6000

DWELLING
NO. 3924 HUNTINGTON BLVD., Fresno. Dwelling.
Owner—Otto W. Baty, 3406 Nevada St., Fresno.
Architect—None.
Day's work. $5000

DWELLING
NO. 823 UNIVERSITY AVE., Fresno. Dwelling.
Owner—J. K. Tuttle, 1101 Fresno Ave., Fresno.
Architect—None.
Contractor — T. H. Nelson, 3041 Iowa St., Fresno. $6675

DWELLING
NO. 911 VASSAR ST., Fresno. Dwelling
Owner—Manuel Costa.
Architect—None.
Day's work. $6000

DWELLING
LOTS 25 AND 26 BLK 122, Fresno. All work for dwelling.
Owner—M. Goorafchian.
Architect—None.
Contractor—Geo. Christian, 58 G St., Fresno.
Filed Feb. 20, '22. Dated Feb. 16, '22.
Roof on and enclosed.....$300
Plaster on 300
Completed 825
Usual 35 days..... 475
TOTAL COST, $1900
Bond, none. Limit, 24 days. Forfeit none. Plans and specifications filed

BRICK BLDG.
LOTS 7 TO 10 BLK 27, Fresno. All work for one-story brick building.
Owner—Fresno Macaroni Mfg Co., 480 1st St., Fresno
Architect—None.
Contractor — R F Felchin, Bank of Italy Bldg., Fresno.

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Filed Feb. 20, '22. Dated Feb. 16, '22.
Walls erected $1500
Roof on 2000
Cement floor in..... 2000
Usual 35 days.....Balance
TOTAL COST, $12,900
Bond, none. Limit, 60 days. Forfeit, none. Plans only filed.
NOTE:—Contractor to receive 10% of cost.

RESIDENCE
LOTS 12 AND 13 BLK 1, Hazelton Addition, being No. 604 Callisch St., Fresno. All work for frame residence.
Owner—Joe Riggo, 602 Callisch St., Fresno.
Architect—None.
Contractor—Joe Lo-Forti, 2206 Webster St., Fresno.
Filed Feb. 21, '22. Dated Feb. 21, '22.
Concrete footing in.....$ 600
Brick work in..... 600
Plastering on 600
Completed 600
Usual 35 days..... 6600
TOTAL COST, $9000
Bond, $9000. Sureties, G. Malanca and G. Isnardi. Limit, 90 days. Forfeit, none. Plans and specifications filed.

GARAGE
NO. 1215-23 BROADWAY, Fresno. Three-story reinforced concrete store and garage building.
Owner—Dolson & Anderson, Inc., 902 Bush St., San Francisco.
Architect—None.
Contractor—Frank H. Masow, 1932 Hyde St., San Francisco. $50,000

DWELLING
NO. 838 UNIVERSITY AVE. Dwelling and garage.
Owner—Berton & Wolff.
Architect—None.
Day's work. $5000

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Feb. 28, 1922—LOTS 50 AND 51 BLK 5, Van Ness Heights, Fresno. G McDougall to whom it may concern .....Feb. 27, 1922
Feb. 24, 1922—LOTS 11 AND 12 BLK 2, Osborn Tract, Fresno. Roy Martin to whom it may concern.....Feb. 20, 1922
Feb. 24, 1922—LOT 2 BLK 1, Cedar Park, Fresno. Teresa Brogan to whom it may concern..Feb. 20, 1922
Feb. 25, 1922—LOTS 26 AND 27 BLK 91, Fresno. L W Klein to whom it may concern.....Feb. 25, 1922
Feb. 25, 1922—LOTS 35 AND 36 BLK 1, Sierra Vista Addition, Fresno. A C Compton to whom it may concern.....Feb. 25, 1922
Feb. 25, 1922—WONDER BUILDING, Fresno (marble work). Annie L Wallace to whom it may concern.....Feb. 20, 1922
Feb. 25, 1922—LOT 16 S ½ Lot 17 Blk 3, Alhambra Tract, Fresno. E F Stedman to whom it may concern.....Feb. 24, 1922
Feb. 25, 1922—LOTS 29 TO 32 BLK 38, Fresno. K Hasegawa to whom it may concern.....Feb 15, 1922
Feb. 25, 1922—LOTS 3 AND 4 BLK 55, Belmont Addition, Fresno. R U McIntosh to B M Benson .....Feb. 10, 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount
Feb. 25, 1922—LOTS 4 AND 5 BLK 69, Fresno. Valley Electrical Supply Co vs Milton L Wertheimer and John Scott $394

BUILDING CONTRACTS

SANTA CLARA COUNTY

$1,000 and Over Reported

COTTAGE
TWENTY-FIRST AND SAN FERNANdo Sts., San Jose. Four-room cottage.
Owner—Leo S. Schutte, 12 S-21st St., San Jose.
Architect—None.
Day's work. $1800

COTTAGE
PLUM AND FLOYD STS., San Jose. Five-room cottage.
Owner—Placida Micoli.
Architect—None.
Contractor—S. Sereno. $1980

COTTAGE
NO. 805 S EIGHTH, San Jose. Four-room cottage.
Owner—Emmett McQuoid.
Architect—R. B. Snapp.
Contractor—R. B. Snapp. $2000

BUILDING
MARKET AND WILLIAM, San Jose. Concrete business building.
Owner—Nicholas Bowden, Bank of San Jose Building, San Jose.
Architect—Jno. H. Powers, 460 Montgomery St., San Francisco.
Contractor—Cahill Bros., 110 Sutter St., San Francisco. $9200

COTTAGE
GIFFORD near Auzerais, San Jose. 4-room cottage.
Owner—Jno. R. Byer, 85 Glen Eyre, San Jose.
Architect—A. Willmott.
Contractor—A. Willmott. $2400

COTTAGE
S FIFTEENTH near William, San Jose. Five-room cottage.
Owner—M. Bridges.
Architect—None.
Contractor—H. A. Bridges, Pine and Lincoln Sts., San Jose. $3500

COTTAGE
CLAYTON near First, San Jose. Six-room cottage.
Owner—Mrs. A. Zolezzi, 400 N 14th St., San Jose.
Architect—Herman Krause, Bank of Italy Bldg., San Jose.
Contractor—H. A. Bridges, Pine and Lincoln Sts., San Jose. $6500

COTTAGE
CLAYTON ST. near First, San Jose Seven-room cottage.
Owner—Frank Cianciarulo, 177 Santa Teresa St., San Jose.
Architect — Chas. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—J. E. Perkins, 1652 E-Santa Clara St., San Jose. $8400

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

$2,500 and Over Reported

RESIDENCE
EAST WILLOW ST., Stockton. Residence and garage.
Owner—Mrs. Hattie Gall, 125 E-Vine St., Stockton.
Architect—None.
Day's work. $4800

FRAME FLATS
S-SAN JOAQUIN ST., Stockton. Frame flats.
Owner—Geo. C. Hough, 1114 S-San Joaquin St., Stockton.
Architect—None.
Day's work. $6850

RESIDENCE
NORTH SAN JOSE ST., Stockton. Residence and garage.
Owner—L. A. Cutty, 715 N-San Jose St., Stockton.
Architect—None.
Day's work. $5250

RESIDENCES
E-NORTH ST. and on S-North Street, Stockton. Two frame residences
Owner—Sarah Sherman.
Architect—None.
Day's work. $2500 each

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
Feb. 28, 1922—PART SEC 62 AND 52 Weber Grant, Stockton. R E McCauley vs John Whitney.....$118

BUILDING CONTRACTS

SAN MATEO COUNTY

STORE BLDG.
PTN LOT 9 BLK 5, Sup Map No. 1. Town of Burlingame. All work for one-story concrete store bldg.
Owner—Ernest C. Douglas, Burlingame
Associated Architects—Alfred C. Kuhn and Thomas M. Edwards, 833 Market St., San Francisco.
Contractor—J. S. Sampson Co., Monadnock Bldg., San Francisco.
Filed Feb. 24, '22. Dated Feb. 18, '22.
Walls completed, ceiling joists on jambs set, etc.....$4207
Completed 2100
Usual 35 days..... 2107
TOTAL COST, $8414
Bond, $4207. Surety, Globe Indemnity Co. Limit, 70 working days. Forfeit, $10. Plans and specifications filed.

STORE BLDG.
S BURLINGAME AVE. 60-6x180, starting 150 feet W from W line Post Road, Burlingame. All work for one-story concrete sotre building.
Owner—James Lawrence, San Mateo.
Associated Architects—Alfred Kuhn and Thomas M. Edwards, 833 Market St., San Francisco.
Contractor—J. S. Sampson Co., Monadnock Bldg., San Francisco.
Filed Feb. 24, '22. Dated Feb. 18, '22.
Concrete walls completed, columns girders, ceiling joists, metal window frames, etc.....$8630
Completed and accepted..... 4300
Usual 35 days..... 4329
TOTAL COST, $17,259
Bond, $8629.50. Surety, Globe Indemnity Co. Limit, 70 working days. Forfeit, $20. Plans and specifications filed.

STORE
PTN LOT 9 BLK Sub Map No. 1 Burlingame, Burlingame, Cal. One-story concrete store building.
Owner—Oliver J. Williams, Burlingame
Architects—Alfred Kuhn and Thomas M. Edward, 833 Market St., San Francisco.
Contractor—J. S. Sampson Company, Monadnock Bldg., San Francisco.
Filed Feb. 24, '22. Dated Feb. 18, '22
Walls completed, columns girders, wood ceiling, joist metal windows, etc. $4207
Completed and accepted..... 2100
Usual 35 days..... 2107
TOTAL COST, $8,414
Bond, $4207. Surety, Globe Indemnity Co. Limit, 70 working days. Forfeit, $10 day. Plans and specifications filed.

RESIDENCE
NW COR. SAN MATEO AVE (now El Cerrito Ave.) and El Cerrito Terrace (now Rauleigh Road), San Mateo. Carpenter and mill work, roofing, finish hardware, owner furnish all lumber as per carpenter list, all mill work and all rough and finished hardware; owner will install hardwood floors for two-story and basement frame residence and garage.
Owner—Philip L. Bush, San Mateo.
Architect—Sam Heiman, 57 Post St., San Francisco.
Engineer—P. L. Bush, 57 Post St., San Francisco
Contractor— Cavanagh Bros., 180 Jessie St., San Francisco.
Filed Feb. 27, '22. Dated Feb. 24, '22.
Frame completed .....$ 600
Plaster completed 400
Completed 1055
30 days after..... 690
TOTAL COST, $2745
Bond, limit, forfeit, none. Plans and specifications filed.

EXCAVATING, FORM WORK, CONcrete work, cement work, etc., on above.
Contractor—J. C. Baker, 515 2nd St., San Mateo.
Filed Feb. 27, '22. Dated Feb. 21, '22.
Completion of walls.....$500
Completed and accepted..... 118
30 days after..... 207
TOTAL COST, $825
Bond, none. Limit, 15 days. Forfeit, none. Plans and specifications filed.

PLUMBING, ETC., ON ABOVE.
Contractor—Unit Builders and Edward Ruedy, 1009 Bayswater St., Burlingame.
Filed Feb. 27, '22. Dated Feb. 18, '22.
Roughed in, etc.....$400
Completed and accepted..... 394
30 days after..... 265
TOTAL COST, $1059
Bond, limit, forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Feb. 28, 1922—LOT 17 BLK "K" Map No. 2, San Mateo Heights, San Mateo. Elinor H Stathe to whom it may concern.....Jan. 19, 1922
Feb. 27, 1922—LOT 15 BLK 7 Map No. 1, Burlingame, George Smith to whom it may concern....Feb. 1, 1922

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded Amount
Feb. 27, 1922—LOT 12-A BLK 31, Lyon & Hoag Sub, Burlingame. J Heckenkemper to James A Hurtman et al $68

BUILDING CONTRACTS

CONTRA COSTA COUNTY

DWELLING
EIGHTH AND MAPLE, Richmond. Dwelling.
Owner—Mr. Wisser.
Architect—None.
Contractor—K. J. Henning, 546 43rd St., Richmond. $3000

DWELLING
N SIXTEENTH ST., bet. Clinton and Roosevelt Sts., Richmond. One-story frame dwelling.
Owner—Geo. Rehak, 677 16th St., Richmond.
Architect—None.
Contractor—Carl Overaa, 2105 Roosevelt Ave., Richmond. $2000

DWELLING
E THIRD ST. 182 N Barrett St., Richmond. One and one-half-story frame dwelling.
Owner—C. E. Mintzer, 255 Second St., Richmond.
Architect—None.
Day's work. $2500

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SAN FRANCISCO, CALIF., MARCH 11, 1922

Published Every Saturday
Twenty-second Year No. 10

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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PRODUCTION AND PRICE OF LIME IN 1921

About 2,531,000 short tons of lime, valued at $24,536,000, was sold in the United States, including Hawaii and Porto Rico, in 1921, according to an estimate made by the U. S. Geological Survey, from reports made by the principal producers. This quantity is less than that sold in any year since the survey has collected its statistics and is 29 per cent less than that sold in 1920. The average value per ton in 1921 is estimated at $9.69. In 1920 it was $10.52, and in 1919 it was $8.84. The sales of hydrated lime in the United States in 1921 were estimated at 737,000 short tons, a decrease of less than 14 per cent as compared with those in 1920, whereas the sales of quicklime (including refractory lime or dead-burned dolomite) were estimated at 34 per cent less than in 1920. The estimated value of the hydrated lime sold in 1921 was $7,673,000, an average per ton of $10.41. The average value per ton in 1920 was $10.89.

SACRAMENTO ARCHITECTURAL & ENGINEERING COMMISSION WOULD TRANSFER CONTRACT

The Sacramento Board of Education will act shortly on the ratification of an agreement by which the contract of the Hemmings-Hudnutt-Petersen Engineering and Architectural Commission to furnish architectural and engineering services on the schools built and being built under the $3,000,000 bond issue of 1919, will be transferred to James S. Dean and Charles F. Dean.

Should the agreement be ratified, the Board of Education releases and discharges the Hemming-Hudnutt-Peterson Commission from all its obligations under the contract. Dean & Dean, under which firm name the Dean Brothers are working, agree not to hold the Commission members for liabilities or claims of liability arising or which may have arisen, and assume those liabilities.

WHOSE DUTY IS IT TO INSIST UPON A QUANTITY SURVEY

(Engineering and Contracting)

We are glad to note that engineers, architects and contractors have at last gone on record in favor of the making of quantity surveys of buildings at the owner's expense. It has long been the custom of civil engineers to prepare quantity surveys, commonly known as "bidding sheets," for construction work other than buildings. In fact nearly every class of civil engineering structure, except buildings, is quantified by the engineer prior to submitting it to contractors. How does it happen, then, that buildings have hitherto been an exception to this rule? We think the reason is to be found in the fact that supervising architects are commonly paid for their services on a percentage basis and not on a salary basis. It is but natural, therefore, that an architect should shift onto the contractor's shoulders the expense burden of preparing the data for estimating the cost of construction. If only one contractor were invited to bid on each building, there would be no economic loss from this practice, but ordinarily several contractors submit bids, and in doing so each one duplicates the quantity survey work of the other.

Now that the American Institute of Architects has indorsed the plan to have the building owner pay for a quantity survey, we suggest that the architects increase the percentage charged for their services to provide for the cost of making a quantity survey, and they do not leave such a survey optional with the owner. The omission of a survey is conceded to be an economic mistake. If so, why countenance it any longer? In our Jan. 25th issue we reprinted an editorial from the Journal of the American Institute of Architects, favoring the quantity survey and payment for it by the owner. The last sentence of that editorial reads: "Any man proposing to spend a considerable sum of money in building should insist on a quantity survey, as one of the most certain means of economy that he can display." True, but will the average owner insist upon a quantity survey? We doubt it, because the average owner knows very little about building economics. If so, the insistence should come from the men whose specialty is to study building economics, namely, architects and engineers. They should carry their insistence to the point of refusing to take charge of building construction unless such a survey is made part of their work.

(Engineering and Contracting)

FOUR ENGINEERS WILL ADVISE ON STATE WATER SURVEY

Announcement is made by the State Department of Engineering that four prominent hydraulic engineers have been called into consultation to advise the Department in its study of run-off of the streams of the State. The announcement follows a meeting held recently in San Francisco, with C. E. Grunsky; Professor C. D. Marx, of Stanford University; Louis Hill, of Los Angeles, formerly identified with the U. S. Reclamation Service in the Roosevelt Dam Project; and H. D. McGlashan, District Engineer of the Water Resources Board of the U. S. Geological Survey.

The program for the studies of the run-off of California streams which has been laid out calls for an extensive study of the run-off from 95,500 square miles of watershed, which comprises practically the entire area of the State producing stream flow. The basis of these studies will be the measured run-off records of the Water Resources Branch of the U. S. Geological Survey. These will be supplemented by the measurements of private engineers and corporations who have furnished the department with their records.

CONCRETE HOUSING PROJECTS

A member of the staff of the U. S. Bureau of Standards recently made a trip of inspection covering various concrete housing projects. This is the third trip of the kind that has been carried out and covered the territory in the neighborhood of Pittsburgh, Cleveland, Chicago, and Minneapolis. A Technical News Bulletin of the Bureau summarizes the trip as follows: Three days were spent in the vicinity of Pittsburgh inspecting varithose built according to monolithic and concrete block construction, including two important projects at Johnstown, Pa., and Donora, Pa. The former includes 89 concrete houses built by the Cambria Steel Co. in 1920 and 1921, while the latter consists of concrete houses of the Lambie type built in 1917 and 1918.

The most notable development in the vicinity of Chicago is the institution at Mooseheart, Ill., built by the members of the Loyal Order of Moose for the education of the fatherless children of the order. The use of concrete has developed to a remarkable degree not only in the construction of the Mooseheart buildings but also in the production of ornamental and architectural concrete.

Inspection of the Morgan Park houses, a development of the Minnesota Steel Co., at Duluth, occupied 2 days. The project includes about 500 houses, most of them being constructed of small concrete units. Other projects included the houses built by the Hydraulic Steel Co. at Cleveland, while at Canton the metal, lumber, and stucco houses developed by the Berger Manufacturing Co. were studied. There is a greater diversity of concrete house types in the vicinity of Youngstown than at any other point, since there may be found the Donaldson and Lambie houses built by the General Fireproofing Co., together with a steel and stucco house of their own design.

Nearby is the well-known project of 281 concrete houses built by the Youngstown Sheet & Tube Co. in 1917. The Carnegie Steel Co. has a housing project located at McDonald in which there are 72 of the Van Guilder type of concrete houses and a very extensive use of concrete in city pavements, sidewalks and sewers. The same company has a project of 50 Van Guilder houses at Steelton.—Engineering & Contracting.

The cottage where George Pullman dreamed of sleeping in comfort while traveling still stands in the shadow of the Rockies near Denver.

The Observer

Apparently it costs about two and one-half times as much to put up an average building now as it did in 1900. This is in spite of the fact that the cost of building has come down 30 per cent since it reached its peak in May, 1920. * * * Wages increased at a nearly uniform rate from the beginning of 1900 to the end of 1916. The general tendency of material costs during the same period was upwards, but with a good many fluctuations. For more than a year after the outbreak of the European War, they remained lower than the average for the four previous years. In the fall of 1915, they started up and reached a maximum in 1920, very much higher than the maximum index figure for wages. The combined figure for the cost of building reached its maximum in May, 1920, at 263 per cent of the 1913 average. It dropped to a low figure of 180 last September and has started up again, reaching 185 in December. This increase during the three closing months of the past year, was due entirely to rising costs of materials, as wages remained substantially constant.

The indications seem to be that the prices of building materials will, in general, hold up to ther present level or perhaps slightly increase, during the next few months, and it seems improbable that any general or wide-spread reduction will take place, so the prospects are against any general reduction in building costs for some time to come.—From INDEX, a statistical service for the Construction Industry, published by the Associated General Contractors of America.

The reduction of waste in lumbering is a principle being furthered by all organizations interested in the conservation of forests, says Walter Mulford, Professor of Forestry of the University of California Agricultural Experiment Station. During 1921, a preliminary study of waste of redwood in logging and at the sawmill was made by the California District of the United States Forest Service in co-operation with the Division of Forestry of the University of California. Certain possibilities in reducing waste, as developed by the preliminary investigation, will be studied in greater detail this year.

Members of the San Francisco Section, American Society of Civil Engineers, will attend a dinner of the Commonwealth Club, March 16th, in the St. Francis Hotel, to hear the discussion of the pending Water and Power Bill which has been submitted to the voters of California. Chester H. Rowell will talk on the provisions of the bill; L. S. Ready of the California Railroad Commission, on the question whether the bill is so drawn as to be workable; A. T. Brock on the financial provisions, and Robert E. Sibley and Louis Bartlett on the Ontario Plan and its general application to the proposed bill.

The Extension Division of the University of California announces a class is being held at room 266, Pacific Building, San Francisco, in Applied Mechanics and Reinforced Concrete, under the direction of Harry W. Bolin, of the H. J. Brunnier Company. The course is for draftsmen, architects and engineers and for others technically qualified. Each course consists of fifteen one-hour lessons, meeting Mondays and Fridays. The fee for each course is $6.00. Registrations are being received at 264 Pacific Building and 140 Kearny street, the San Francisco offices of the University Extension.

Proposing a bond issue of $300,000 to finance the first unit of dormitories for the University of California, a student committee, appointed by President Barrows to investigate dormitory needs, made its first report. The students suggest that tax free bonds, bearing a low rate of interest, be issued and that the money realized from this sale should be added to gifts for the construction of dormitory buildings of the type proposed by President Barrows—a number of units to be built, one each year, at a cost of $350,000.

The Washington Association for Building and Construction was recently formed in Seattle. Those participating included architects, engineers, plumbing and heating contractors, lumber dealers, electrical jobbers and dealers, financiers and other trades and professions interested in the building business. D. R. Huntington, Seattle, former city architect was elected temporary chairman and W. W. Hutton, secretary, to serve until officers are elected.

According to reports from quarries in Nye County, Nevada, marble from that section will enter considerably into California building operations after the middle of April, when the American Carrara Marble Co., will start forwarding regular carload shipments. It is said San Francisco interests have contracted for the black and white marble while Los Angeles will take the green.

During the month of February, this year, Los Angeles building operations totaled 2,842 permits with a valuation of $7,579,798, as compared with 1,887 permits and $3,131,670 valuation for February, 1921. The year to date shows 6,258 permits and $15,554,966 valuation, compared with 3,758 permits of $6,433,384 valuation for the same period last year.

Charging fraud on the part of the holders of the majority of the stock of the Dow Pump and Engine Company of Alameda, Mrs. Nettie S. Dow, owner of 188 shares in the concern has filed suit in the superior court, Oakland, asking that a receiver be appointed for the company, and that the books be audited.

City trustees of Orland, Calif., reject petitions of property owners seeking improvement of thirty-one blocks of streets. Rejection made on ground that improvements would cost city $35,000 to pave street intersections and would be a heavy burden on taxpayers at this time.

Members of the American Hardwood Manufacturers' Association, meeting in Louisville, Ky., adopted the report of the board of directors which recommended that the present organization be disbanded and the American Hardwood Institute organized in its stead.

Twenty-four building permits issued in Palo Alto during the month of February totaled $111,600, an increase of $83,401 over the month of January.

ALONG THE LINE

Ralph Beebee, harbor engineer of Oakland, has been named as a member of the San Francisco Bay Marine Piling Committee, which studies docks and pilings with a view to determine which come from the best materials and which best withstand the action of water and teredos. Exhaustive tests have been made by this committee for several years.

Samuel Hart, formerly with the State Department of Engineering, has been appointed a deputy engineer in the Sacramento City Engineering Department. Hart will devote most of his time to investigating the feasibility of the Silver Creek project for a municipal hydro-electric system.

U. G. Richards, vice-president and general manager of the E. K. Wood Lumber Co., and formerly Los Angeles branch manager, has severed his connection with the company effective March 1st.

City of Roseville will vote April 19th on question of "acquisition, construction and completion" of a municipal water system. Cost of new system estimated at $155,000.

Chas. W. Dickey, supervising architect of the Oakland School building program, urges another bond issue to finance the construction of more schools.

Wesley Weyant, Fresno building contractor, died February 28, following a short illness. Weyant was 64 years old and a native of New York.

Marysville city trustees plan extensive street improvement program. Streets will be paved with five inches of asphaltic concrete.

A. A. Meyer, civil engineer, contemplates locating in San Francisco, in the immediate future. He is now located at San Diego.

Oregon Charcoal-Iron Co., of Portland, A. W. Martin, president, will construct $200,000 furnace near Scapoose, Ore., for manufacturing pig iron.

The Town of El Cerrito, Contra Costa County, plans improvement of several streets; estimated cost, $77,245.

Official date for breaking ground for proposed Capitol Extension buildings at Sacramento set for April 4th.

The Builders' Exchange of Vallejo has moved to larger quarters at 906 Marin street.

Amador county supervisors contemplate the appointment of a highway commission.

Placerville city trustees propose to call election to vote bond of $10,000 to purchase fire equipment.

Chas. Deterding has been appointed Sacramento county highway engineer,

Incinerator for Mill Refuse Made of Brick and Concrete

(Reprint from Engineering News- Record, New York)

An incinerator for destroying mill refuse designed for low cost and long life has been in service at the plant of the Pacific Box Factory in San Francisco 18 months and is reported to be wholly satisfactory. It consists of a concrete shell with fire brick lining, 14 ft. in diameter at the base and 60 ft. high, built at a cost of $6,000. Thus far the capacity has not been reached by the maximum rate at which it has been possible to blow material in through the 18-in. feed pipe. As much as 400 cu. yd. of refuse have been consumed in 9 hours and it is claimed that the greater the rate of feeding the hotter the fire and hence the greater the capacity. Features of the design are the means provided for the expansion of the brick work and the arrangement of vents for cooling concrete thus measuring the life of the structure.

The outer or concrete shell was made in two pours, each pour being made in a day. The first pour carried the structure to height of 28 ft. and left reinforcing projecting for bond. This was the only joint as the second pour completed the structure to full height. Self-supporting forms of the ordinary type were built up on the outside, and outside forms were built up independently supported by scaffolding. The only connection between the two sets of forms were the tie wires run through from side to side to prevent spreading. A 1:2:4 mix was used, delivered by a hoist in the scaffold. All reinforcing was deformed steel bars tied at each intersection with No. 18 soft annealed wire. Inside forms were removed in about four days but outer forms were left in place as long as possible as a protection against wind and weather.

The brick lining put in after the inside forms were removed, was likewise placed in two sections, the upper section resting on a shelf in the concrete and being entirely independent of brick work below. This separation makes it possible to put an expansion joint in the brick work which is said to be the most important feature of the design. The brick of the combustion chamber can expand upward without lifting the weight of the lining above, thus preventing the overloading that tends to crush or buckle the lining and shorten its life.

Heat in the combustion chamber ranges from 1,500 to 2,000 deg. F. and is said to cause the brick lining to expand 3 in. in a vertical direction. This movement is taken up in the expansion joint between the two sections of brick work. The clearance between the lining and the outer concrete shell is nowhere less than 1 in. and this is more than the expansion of the brick work circumferentially.

The concrete shell around the combustion chamber is octagonal in plan, thus affording a considerable air space between concrete and brick. Sixteen 4 x 4-in. terra-cotta vents just above ground level, admit cool air into this space. Heated air passes out of this space through corresponding vents near the top of the octagonal section 28 ft. above the base. In the upper circular section the one-inch space between brick and concrete is vented by one-inch galvanized pipe set in the concrete at intervals that place one vent in every 16 sq. ft. of surface

The firebrick used in the lining are rated as capable of withstanding 3,200 deg. F. and are laid as headers, i. e. "end on" to the combustion chamber. The bricks are 8 in. long and 2½ in thick with a width, in a horizontal plane that varies from 3½ in. on the firebox face to 4½ in. at the outer end, thus giving a joint slightly narrower at the rear than at the front end. In the upper part of the combustion chamber, or firebox, the concave curve or corbeling-in of the brick work toward a smaller-diameter throat is said to improve the draft at the same time that reflects the heat in such way that high temperature and excellent combustion is secured. A very small quantity of ash accumulates as the draft and high temperature are such as to reduce the residue to a minimum and to carry away a part of it as very

Exterior View of Ludwig Incinerator

fine particles that escape in the draft. No grate bars are used, the concrete foundation at ground level being covered only with a layer of fire brick on the flat.

A means of controlling the rate of burning and, to a certain extent, the temperature of the brick lining is provided by four 20 x 20-in. iron doors at a height of 19 ft. above ground extending through both the concrete and brick. These doors, controlled by rods running down to a convenient height are opened after the fire is well started and by admitting cold air near the top of the combustion chamber prevent excessive heating of the brick work. The inlets covered by these doors incline sharply upward.

Draft for suitable combustion conditions is secured by means of short tunnels at ground level, each of which has an indirect air entry by way of a pair of iron doors. These doors are held open as desired by ratchet latches and are set according to the direction of wind. At the outer end of these tunnels a wall with fire brick facing takes the direct heat from the combustion chamber, except in the case of one tunnel provided with a large end-door for clean-out purposes and for convenience in passing in refuse too large to be blown in through the 18-in. pipe.

The top of the incinerator is covered with screen of ¼-in. mesh to catch sparks and a gutter is built in the concrete around the top which can be flooded when desired. A 1½-in. galvanized water pipe runs up to this gutter and a 2-in. drain pipe leads down from its lowest point.

In applying a design of this sort where hot air is needed for some auxiliary use, such as in a dry kiln the concrete shell could be made octagonal in cross-section all the way up to increase air volume between shell and lining. Vents to the outer air would draw the heated air into a pipe for delivery as desired.

The incinerator was designed by Captain W. W. Breite, structural engineer of San Francisco, and built by Herman Ludwig, who has been granted a patent under the Ludwig incinerator and hot air dry kiln.

GERMAN CEMENT IN COMPETITION

The German Portland cement industry has been seriously over-capitalized, far more works having been erected than are required to cope with the normal demand for this material, which before the war was about 12 million tons per annum.

The present demand in Germany is only about 4 million tons, but as the manufacturers are compelled to keep the works going by producing a larger output, there will soon accumulate large stocks which will have to be dumped on other countries. Storage of coal has kept the output at a low level, but the import of foreign coal is now assuming large proportions, and, provided the necessary capital to develop the export trade is forthcoming, there is every reason to fear the consequences. The German cement industry is under the control of a National Federation—the Deutscher Zement bund of Berlin—which is composed of three powerful syndicates covering the whole country between them. This federation has selected Holland and South America as its principal markets, and is about to develop them with all the boldness and resourcefulness which characterized the Germans prior to the war.

The danger of the production of cement largely in excess of the local demand is accentuateed by the recent expansion of the Rhenish-Westphalian blast furnace cement industry, which will soon become a formidable rival to the Portland cement industry in the district, especially as blast furnace cement is cheaper than Portland cement.

Further competition will come from the chemical industry, as the chemical works of Bayer and Company, at Leverkusen, owing to the scarcity of foreign supplies of sulphur and pyrites, have taken up the production of sulphuric acid from anhydrite (a form of calcium sulphate) and clay. A waste product of this process is Portland cement, which can be produced at quite a nominal cost.—Western Canada Contractor.

State Highway Commission Issues Statement on Suit Proposed by Southern Auto Club

(By State Highway Commission)

The action taken by the Automobile Club of Southern California in bringing suit against Governor Stephens, the members of the California Highway Commission, the State Board of Control, and other officials, to restore personally to the State Highway fund $222,160 used in meeting highway bond depreciation in order to market on Feb. 26, 1920, $3,000,000 in bonds is obviously political in character and is in line with and typical of the harrassing policy towards State Highway work in general which has been adopted during the past few years by those in charge of the Club's activities.

Briefly and in general terms the situation resurrected by this latest political attack by the Automobile Club of Southern California, is as follows:

Early in February, 1920, the first Three Million Dollar block of the new Forty Million Dollar highway bond issue was offered for sale and bid in by the Bank of Italy. The bonds bore a fixed rate of 4½% interest and the offer was at par and accrued. However, a flaw was discovered in the proceedings and this sale was declared void.

Another sale was arranged for immediately, but on account of a sudden slump in the bond market, no bids were received and the California Highway Commission found itself with a large number of going contracts, but with no funds to meet contractors' progress estimates and material and labor bills. In this dilemma the assistance of other State officers and the Attorney-General was sought to find a way to market sufficient bonds to meet imperative existing State obligations.

The expedient of using a portion of Federal Aid road funds due the State from the Government for work already performed on co-operative road construction was decided upon and a sale was negotiated with the Anglo-London-Paris Bank whereby Three Million Dollars in bonds were purchased by the bank at the market price and the difference between the par and market value of 4½% bond was met by the transfer of $222,160 of Federal funds to the State general fund, the right to do so being sustained in the opinion of the Attorney-General by the wording of the law which stated that such money could be credited to such State fund or funds as might be designated by the then existing State Department of Engineering. Furthermore, the legality of the procedure was passed upon favorably by the Attorneys for the bond purchaser.

Had this step not been taken, the State would not have been able to pay a large amount of bills, then due, and State highway construction would have been completely shut down resulting in great injury and hardship to State contractors, material supplymen and laborers and employees of all kinds, and possibly sending many contractors to the wall.

At one time during this period of financial stringency, the Commission was several weeks behind in its payments and enormous pressure was being brought to bear from all quarters to furnish relief. Had work been arbitrarily shut down by the inability of the State to meet its obligations, numerous damage suits would have followed and the State would have suffered tremendous loss, not only in liquidation of damages, but also through cessation of work and loss of organization.

The steps taken at that time by the California Highway Commission were ratified by the people of the State when they voted Constitutional Amendment Number Nine permitting the fixing of a flexible interest rate to meet fluctuations in the market value of State Highway bonds up to a maximum of 6%.

The sale in question, therefore, was no different in principle than those subsequently made legal by direct vote of the people by the adoption of the amendment above referred to.

LUMBER BUSINESS IMPROVING; BUILDING IS ACTIVE

In his February report on business conditions, John Perrin, Chairman of the Board and Federal Reserve Agent, Federal Reserve Bank of San Francisco, says: "The lumber industry of this district continued to improve during January, increases being registered in production, shipments and orders received, both as compared with the months of December and January, 1921. The cut of the largest lumber association in the district for the week ending February 11th (134 mills reporting) was only 11 per cent below normal. The export movement of Douglas fir during 1921 (455,233,000 feet) exceeded by 5,000,000 feet the exports of 1920.

"Building activity in the district has again reached record proportions, exceeding by $13,900,000, or 155 per cent, the value of operations reported for January, 1921. Of the 20 cities reporting, 14 advise a larger number of permits issued during January, 1922, than during January, 1921.

SANTA FE MAY BUILD THROUGH SIERRAS

That recent activities at Riverbank by the Santa Fe railroad, and relaying of rails of the Sierra railway, presage the long-predicted effort of the Santa Fe to get a short cut for a transcontinental line through the Sierras is now a report among railroad men.

Work on the $250,000 refrigeration plant at Riverbank is to be followed by the construction of an eating house, so Santa Fe reports say. The plans for an eating house to cost almost $100,000 have been drawn up for some years.

Coupled with these announcements is the work now under way on the Sierra railway in relaying the rails between Cooperstown and Oakdale. Three more cars of heavy rails arrived lately. These were purchased from the Santa Fe, and the entire system is to be laid with heavier iron.

This has revived the report that the Santa Fe plans to build a line through the Sierras and on east, following the trail used by the forty-niners.

Unconfirmed reports are that the Santa Fe has had surveys made for just such a road.

BRIDGE DESIGN TO BE STANDARDIZED

Greater standardization of practice in the design and construction of highway bridges is urged by the Bureau of Public Roads of the United States Department of Agriculture.

It is believed that there is no sound reason for the amount of variation in specifications that now exists and that it results in greater cost of bridges. State officials take the same view as the bureau, and a committee composed of bridge engineers has been appointed by the American Association of State Highway Officials to consider the matter. A "Manual of Practice," is being prepared, which will represent the best thought on the subject and which it is believed will be accepted by all the State Highway Departments. Not only will the adoption of such a manual lead to the building of bridges of good design, but it will also make possible a saving in money, as bridge companies will not be called upon to meet so much variation in design.

ELECTRIC EXPORTS SHOW GAIN IN 1921

Electric exports in December, the Department of Commerce says, amounted to $5,177,276, making the total preliminary amount for 1921, $95,814,885. This is a significant showing in the export trade of an important industry. Exports of 1920 exceeded those of 1921 by approximately $6,000,000 only. Considering the higher values in 1921, there is every indication that in quantity the 1921 exports were well ahead of any former year.

Comparing 1920 and 1921 by classes of goods exported, interesting gains are shown. Nine of the 20 items in 1921 were well ahead of 1920. Of these, transformers showed a gain of over $3,000,000, electric locomotives more than doubled, and exports of telephone and telegraph equipment forged steadily ahead. Foreign sales of American motors have increased regularly year by year, up to and including 1921, and exports of insulated wire and cables to foreign markets this year were greater than in 1920.

A. E. S. C. APPROVES FOUR SPECIFICATIONS

The American Engineering Standards Committee has approved as tentative American standard the specifications of the American Society for Testing Materials for:

Cold-Drawn Bessemer Steel Automatic Screw Stock (A32-14).
Cold-Drawn Open Hearth Steel Automatic Screw Stock (A54-15).
Methods of Chemical Analysis of Manganese Bronze (B27-19).
Methods of Chemical Analysis of Gun Metal (B28-19).

These specifications may be found in the 1921 volume of A. S. T. M. Standards. Copies may also be obtained from the American Engineering Standards committee, 29 West 39th street, New York City. Price 25 cents each.

TWO MILLION DOLLARS FOR NEW MEXICO ROADS

A two million dollar highway program will be started in New Mexico this year. An issue of $1,000,000 bonds for federal aid projects will be sold as soon as the bonds can be printed. These bonds are being issued under an amendment to the constitution which provides that bonds for good roads up to $2,000,000 may be issued without being submitted to a vote of the people. As state funds will be matched equally by Federal Aid funds, a two million dollar program can be inaugurated at once.

Building News Section

APARTMENT HOUSES

Sub-contracts Awarded.
APARTMENTS Cost, $120,000
SAN FRANCISCO. N Geary Street 80 E Polk Street.
Five-story Class C partment house (40, 2-room apartments).
Owner—Frederick Saunders, Gdn. Est. Carrie Irones.
Architect—Griewank & Buckley, Call Bldg., San Francisco.
Contractor—Schultz Constr. Co., 46 Kearny St., San Francisco.
Lumber to Loop Lumber Co.
Steel to W. S. Wetenhall Co.
Heating to Burnham Plumbing Co.
Plumbing to Burnham Plumbing Co.
Figures are being taken on the balance of the work.

Plans Being Prepared.
STORE AND APARTMENT BUILDING Cost, $20,000.
PASO ROBLES, San Luis Obispo Co., Cal.
Two-story brick store and apartment house building (3 stores and 6, 3-room apartments).
Owner—Clark Smith, Paso Robles.
Architect—Miller & Warnecke, Perry Bldg., Oakland.

Contract Awarded.
APARTMENTS Cost, $12,000
OAKLAND. S Montell 100 E Piedmont.
Two-story frame 16-room apartments.
Owner—B. T. Scott, 128 Ricardo Ave., Piedmont.
Architect—Not given.
Contractor—S. C. Walker, 3231 Boston Ave., Oakland.

Completing Plans—Contract Awarded.
APARTMENT HOUSE Cost, $500,000
SAN FRANCISCO. SE Powell and Sacramento.
Ten-story class A apartment house (37 8-room apartments); separate garage building on Sacramento St.
Owner—A. C. Blumenthal & Co.
Architect—G. A. Lansburgh, 709 Mission St., San Francisco.
Contractor—MacDonald & Kahn, 130 Montgomery St., San Francisco.
Construction will be started in three weeks.

Contract Awarded.
APARTMENT HOUSE Cost, $16,800
SAN FRANCISCO. S Haight St. 55 W Pierce.
Three story and basement frame (6) apartments (all work except hardware, electric fixtures, shades, wall paper and wall beds).
Owner—M. I. Asmussen, 723 Haight St, San Francisco.
Architect—B. R. Christensen, 233 Lick Bldg., San Francisco.
Contractor—Finn Andersen, 180 Jessie St., San Francisco.

Contract Awarded.
APARTMENT HOUSE Cost, $13,500
SAN JOSE, Santa Clara Co., Cal. Nagler Park Tract No. 1, Lot 1 Blk 31.
Two-story frame and plaster apartment house (8 apartments).
Owner—J. L. Williams, 892 Delmas, San Jose.
Architect—None.
Contractor—Lewis & Nelson, S 5th St., San Jose.

Plans Being Prepared.
APARTMENT HOUSE Cost, $500,000
SAN FRANCISCO. NW Jackson and Laguna Sts.
Eight-story class A apartment house (200 rooms of 3 to 6-room apartments).
Owner—A. C. Blumenthal.
Architects—G. Albert Lansburgh, 709 Mission St., and Kenith MacDonald, Jr., 234 Pine St., associated.
Contractor—MacDonald & Kahn, 130 Montgomery St., San Francisco.

Plans to be Prepared.
APARTMENT HOUSE Cost, $750,000
LOS ANGELES, Cal. Wilshire Blvd. and Berenda.
Ten-story Class A apartment house.
Owner—A. C. Blumenthal, California-Pacific Bldg., San Francisco, and Pacific Mutual Life Bldg., Los Angeles.
Architect—Not selected.

Contractor Taking Sub-figures.
APARTMENTS Cost, $34,000
SAN FRANCISCO. S Pine 206-3 W Hyde.
Three-story and basement frame (12) apartments.
Owner—M. D. Warwick, 3191 Washington St., San Francisco.
Architect—C. H. Skidmore, New Call Bldg., San Francisco.
Contractor—Harry C. Warwick, 3191 Washington St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $110,000
SAN FRANCISCO. N Geary 68-9 E Leavenworth.
Five-story and basement concrete (48) apartments.
Owners—G. M. and N. Rossi, 465 12th St., Oakland.
Architect—C. H. Barrett, 342 Grant Ave., San Francisco.
Contractor—G. B. Pasqualetti, 746 Union St., San Francisco.

To be done by Day's Work.
APARTMENTS Cost, $20,000
SAN FRANCISCO. SW Clement and 18th Ave.
Two-story and basement frame (8) apartments.
Owner—Ernest Johnson, 581 Belvedere St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $13,000
OAKLAND, Alameda Co., Cal. W Wesley Ave. 75 S Brookdale Ave.
Two-story 18-room frame apartments.
Owner—E. L. Blackman.
Architect—None.
Contractor—Jos. Flittner, 1700 35th Ave,. Oakland.

Plans Completed—Segregated Figures to be Taken Immediately.
APARTMENTS Cost, $35,000
SONORA, Tuolumne Co., Cal.
Two-story reinforced concrete or brick apartment and store building (18, 2-room apartments).
Owner—Withheld.
Architect—Chas. H. Young, Commercial Savings Bank Bldg., Stockton.

Low Bidder for Concrete and Carpenter Work.
ADDITION Cost, $65,000
SAN FRANCISCO. O'Farrell near Jones
Four-story reinforced concrete Class C addition to one-story store building for apartments.
Owner—Frank Kelley.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Low Bidder—F. L. Hansen, 251 Kearny St., San Francisco.

Contracts to be Awarded in a Few Days.
APARTMENTS Cost, $400,000
SAN FRANCISCO. NW Filbert and Hyde Streets.
Six-story and basement Class A brick community apartment house (29 apts.)
Owner—Capo di Monte.
Architect—T. Paterson Ross, 310 California St., San Francisco.

Plans Being Prepared.
APARTMENT Cost, $350,000 or more
SAN FRANCISCO. S California bet. Mason and Taylor.
Eight-story class A reinforced concrete and steel frame apartment house (24 apartments, 16, 6-room and 8, 10-room apartments).
Owner—Miss Laura Fritz, 116 Frederick St., San Francisco.
Architect—E. N. Fritz, 116 Frederick St., San Francisco.
Figures will be taken in about two months.

To be Done by Day's Work.
APARTMENTS Cost, (2) $10,000 each and (1) $12,000.
FRESNO, Fresno Co., Cal. No. 711-717 and 727 Franklin St.
Three frame apartments houses.
Owner—J. A. Manning, 816 Franklin St., Fresno.

Plans Completed—To be Done by Day's Work.
APARTMENTS Cost, $36,000
FRESNO, Fresno Co., Cal. No. 1567 N-Van Ness Avenue.
Apartment house.
Owner—Nels N. Nelson, 808 Roosevelt St., Fresno.

Contract Awarded.
ALAMEDA, Alameda Co., Cal. No. 1501 Encinal Avenue.
Two-story frame (12) apartments.
Owner—Chas. S. Porep, 1838 Alameda Ave., Alameda.
Architect—None.
Contractor—J. H. Rockingham, 2366 San Jose Ave., Alameda.

Plans Being Figured.
APARTMENTS Cost, $10,000
MARTINEZ, Contra Costa Co., Cal. Ferry St. near Masonic Ave.
One-story frame apartment court building (6 or 8 3-room apts.)
Owner—A. Bacillieri.
Superintendent—C. H. Hayden, 315 Main St., Martinez.
Architect—Guy O. Smith, Martinez.
Figures are being taken for a general contract by Mr. Hayden.

Grading Bids Being Taken—Sub-Figures to be Taken Shortly.
APARTMENTS Cost, $——
SAN FRANCISCO. Adjoining No. 460 Ellis St., between Jones and Leavenworth.
Six-story reinforced concrete apartment house.
Owner—Frank J. Klimm, 221 Oak St., San Francisco.
Engineer—H. J. Brunnier, Sharon Bldg. San Francisco.
Supt. of Constr.—Wm. Nopper, Prem.
All bids will be taken by Mr. Nopper. The structure is to be a duplicate of the apartments at No. 460 Ellis St owned by Mr. Klimm, which was erected eight years ago from plans by Architects Salfield & Kohlberg.

BANKS

Marble and Cabinet Work Contracts Awarded.
ALTERATIONS Cost, $50,000
SANTA ROSA, Sonoma Co., Cal. 4th and Mendocino Sts.
Marble and bronze work for alterations to bank.
Owner—Exchange Bank.
Architect—H. H. Winner Co., Cunard Bldg., San Francisco.
Marble Work to Jos. Musto Sons-Keenan Co., 535 North Point, San Francisco.
Interior Fixture Work to Fink & Schindler, 228 13th St., San Francisco.

Contract Awarded.
BANK BUILDING Cost, $30,7[illegible]
OAKLAND, Alameda Co., Cal. 56th St. and San Pablo Ave.
One-story reinforced concrete or brick bank building.
Owner—Bank of Italy (see Mr. Wm Cuneo, San Francisco).

Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Plans Being Prepared.
BANK Cost, $35,000
CALISTOGA, Napa Co., Cal.
One-story reinforced concrete bank (marble and bronze fixtures.)
Owner—Calistoga National Bank.
Architect—Jas. T. Narbett, Syndicate Bldg., Oakland.

Plans Being Prepared.
ALTERATIONS Cost, $——
SAN FRANCISCO. Geary and Fillmore Streets.
Extension to banking room (taking in three stores).
Owner—Anglo-California Trust Co.
Architect — H. H. Winner Co., Cunard Bldg., San Francsico.

To be done by Day's Work.
BANK Cost, $38,000
SAN FRANCISCO. SW Irving and 8th Ave.
One-story and besement concrete bank.
Owner—Bank of Italy, Montgomery and Clay Sts., San Francisco.
Architect—W. D. Shea, 527 Chronicle Bldg., San Francisco.
Wm. Cuneo of the Bank, has charge of purchasing materials and letting sub-contracts.

Figures to be Taken End of This Week.
BANK BUILDING Cost, $40,000
SUNNYVALE, Santa Clara Co., Cal.
One-story brick or reinforced concrete bank building.
Owner—Bank of Italy (see Mr. Cuneo, San Francisco).
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.
Figures are to be taken for a general contract.

Revised Bids Being Taken.
BANK Cost, $40,000
PLACERVILLE, El Dorado Co., Cal.
One-story reinforced concrete bank building.
Owner—Bank of El Dorado County.
Architect—E. C. Hemmings, Ochsner Bldg., Sacramento.
Figures are being taken for a general contract.

BONDS

SACRAMENTO, Cal.—Election will be held March 25 in Arcade School District to vote bonds of $25,000 for school improvements. Trustees of district are: A. J. Stout, H. D. Stover and Frank Trimble.

COALINGA, Fresno Co., Cal.—An election will be held Apr. 10, to vote bonds for constructing 100,000 cu. ft. gas holder.

COALINGA, Cal.—An election will be held Apr. 10, to vote bonds for purchase of a tractor and scarifier for street work.

ROSEVILLE, Placer Co., Cal.—April 10th is date set to decide question of issuing bonds of $155,000 to finance "acquisition, construction and completion" of a municipal water system.

MARTINEZ, Contra Costa Co., Cal.—Supervisors sell $125,000 bond issue of Mt. Diablo High School District for premium of $9,455. Proceeds of sale will finance construction of additions to present school. W. H. Weeks, 369 Pine St., San Francisco, is preparing plans for a 2-story reinforced concrete structure.

DINUBA, Tulare Co., Cal.—Bonds of $65,000 voted in Dinuba Union School District to finance construction of a new science building and remodeling auditorium.

SACRAMENTO, Cal.—The election will be held March 11th in Rio Linda Union School District to vote bonds of $41,000 to finance school improvements. Trustees of district are: Mary King, Helen C. Donsing, Cynthia M. Bean, C. S. Minor, Stella E. Lewald, Barbara Phinney, Wm. N. Toms and Fred Louis Donsing. Geo. Sellon Co., Mitau Bldg., Sacramento, is the architect.

FRESNO, Fresno Co., Cal.—Barstow, Roosevelt, Houghton and Pershing School District have organized central union high school district and will call election to vote bonds to finance construction of a new high school. Clarence W. Edwards, county superintendent of school.

MADERA, Madera Co., Cal.—March 27th is date set in Howard School District to vote bonds of $12,000 to finance construction of a concrete or tile 4-room school building. Trustees of district are: William H. Hall, George H. Clark, William V. Houlding.

TULARE, Tulare Co., Cal.—Trustees of Tulare Union High School District plan election to vote bonds of $150,000 to finance construction of additions to the high school.

DANVILLE, Contra Costa Co., Cal.—March 24 is the date set in Danville School District to vote bonds of $20,000 to finance construction of a new school. Trustees of the district are: D. M. Birrell, C. W. Close and Stephen H. Johnson.

YUBA CITY, Sutter Co., Cal.—Supervisors sell $24,500 bond issue of Meridian School District for premium of $1,219; proceeds of sale will finance construction of brick or concrete school, plans for which have been prepared by Architect Chester Cole, Waterland-Breslaier Bldg., Chico.

BERKELEY, Alameda Co., Cal.—Students Committee, appointed by President David P. Barrows of the University of California, to investigate dormitory needs, submits first report recommending issuance of tax free bonds, the money realized from this sale to be added to gifts for the construction of a dormitory building of the type proposed by President Barrows, calling for a number of units to be built, one each year, at a cost of $350,000. Plans for the structures will undoubtedly be prepared by Architect John Galen Howard, First National Bk. Bldg., San Francisco.

MADERA, Madera Co., Cal.—Election will be held April 10th to vote bonds of $11,000 to purchase motor fire engine.

PLACERVILLE, El Dorado Co., Cal.—City Trustees contemplate election to vote bonds of $10,000 to purchase chemical engine and other fire fighting equipment.

HUNTINGTON PARK, Cal.—The $75,000 bond issue for extensions of the city water system, including additional mains and wells sold for premium of $6,062. An engineer for the work has not yet been appointed.

CHURCHES

Contract Awarded.
CHURCH Cost, $24,818
BERKELEY. Oxford Street.
One-story frame and plaster church.
Owner — Second Church of Christ Scientists.
Architect—W. A. Newman, Postoffice Bldg., 7th and Mission, San Francisco.
Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco.

FACTORIES & WAREHOUSES

Grading Bids Being Taken
LUMBER MILL Cost, $——
FRESNO, Cal. Bank of San Joaquin River near Blackstone Ave.
Lumber mill (several buildings)
Owner—Sugar Pine Lumber Co.
Architect—F. W. Horstkotter, Spokane, Washington.
All bids will be taken by R. C. Heiner, 1514 H St., Fresno, who is resident manager. Grading bids are now being taken.

Plans Being Figured—Bids Close Mar. 15, 1922.
WAREHOUSE Cost, $60,000
PASO ROBLES, San Luis Obispo Co., Cal.
Reinforced concrete warehouse.
Owner—California Almond Growers Association.
Construction Engineer—D. R. Bailey, 2216 25th St., Sacramento.
Plans may be obtained from Mr. Bailey on a deposit of $25. Bids will be received for a general contract or segregated contracts.

Contract Awarded.
WAREHOUSE Cost, $14,749
OAKLAND. First and Franklin Sts.
All work except elevator for a two-story concrete and brick warehouse.
Owner—F. W. Diehl.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—Thos. H. Cuthertson, 1766 12th Ave., San Francisco.

Work to Start Immediately.
WHARFS Cost, $——
SAN FRANCISCO AND SAUSALITO. Foot of Hyde St., San Francisco.
Ferry slip, creosoted pile and timber wharf with parking space, rock wall and fill and 2-story frame waiting room, ticket and business office.
Owner—Golden Gate Ferry Co.
Engineer—Frank G. White, Ferry Bldg San Francisco.
There will also be a ferry slip, creosoted pile and timber wharf with parking space, one-story waiting room ticket office building and a 2500 gallon tank for fuel oil built on the water front at Sausalito. Work will be started this week by day's labor on the fill at the foot of Hyde street. Materials for the balance of the work will be purchased shortly. It has not been decided whether the labor will be let by contract.

Contract Awarded.
ADDITION Cost, $20,500
PETALUMA, Sonoma Co., Cal.
Brick and frame addition to silk factory.
Owner—Belding Bros.
Architect—Brainerd Jones, 119 Washington St., Petaluma.
Contractor—H. P. Vogensen, Petaluma.

RICHMOND, Contra Costa Co., Cal.—City Clerk A. C. Farris instructed to call bids for roofing municipal wharf shad. H. D. Chapman, City Engineer.

PORTLAND, Ore.—The Oregon Charcoal-Iron Co., A. W. Martin, president, will construct a $200,000 furnace for the manufacture of pig iron upon its property one mile west of Scappoose, Oregon.

FLATS

To be Done by Day's Work.
FRAME FLATS Cost, $12,000
SAN FRANCISCO. E Twenty-seventh Avenue 258-6 S California Street.
Two-story and basement frame (4) flats.
Owner—David Leigh, 840 44th Ave., San Francisco.
Architect—None.

Bids in and Under Advisement.
FRAME FLATS Cost, $8,000
SAN FRANCISCO. N Fulton Street 82-6 E Nineteenth Avenue.
Two-story and basement frame (2) flats.
Owner—Mrs. O. Ungermann, 296 Liberty St., San Francisco.
Architect—Dodge A. Riedy, 850 Pacific Bldg., San Francisco.

Contract Awarded.
FRAME FLATS Cost, $9,000 each
SAN FRANCISCO. N Grove 115 and 149 E Ashbury.
Two two-story and basement frame buildings, (2 flats each).
Owner—John A. McWilliams, 332 Pierce St., San Francisco.

Designer & Contractor—J. M. Hooper, 33 Guerrero St., San Francisco.

Plans Completed.
FLATS Cost, $15,000
SAN FRANCISCO. W 14th Ave. 144-11 N Anza.
Two-story and basement frame (2) flats.
Owner—Samuel Rosencrantz, NE Guerrero and 21st Sts., San Francisco.
Architect—John J. Foley, 770 5th Ave., San Francisco.

Contract Awarded.
FLATS Cost, $15,500
SACRAMENTO, Cal.
Two-story frame and stucco flat building (2, 5-room flats and garage).
Owner—Frank Renwick, 1519 11th St., Sacramento.
Architect—Not given.
Contractor—W. R. Saunders, 2614 I St, Sacramento.

Contract Awarded.
FLATS Cost, $11,000
SAN FRANCISCO. SE California and 27th Ave.
Two-story and basement frame (4) flats.
Owner—Thos. J. Feeney, 18th at Danvers, San Francisco.
Architect—Robert W. Jenkins.
Contractor—Thos. M. Jones, 3767 Army St., San Francisco.

Contracts Awarded.
FRAME FLATS Cost, $——
SAN FRANCISCO. N Fulton Street 82-6 E Nineteenth Avenue.
Two-story and basement frame (2) flats.
Owner—Mrs. O. Ungermann, 296 Liberty St., San Francisco.
Architect—Dodge A. Reidy, 850 Pacific Bldg., San Francisco.
General Contract to Fred Moller, 180 Jessie St., $7,780.
Painting to The Neal Co., 538 Hayes St., $595.
Plumbing to Gus May, 3668 18th St., $954.

Contracts Awarded.
FLATS Cost, $9,820
SAN FRANCISCO. W 19th Ave. 125 N Fulton.
Two-story and basement frame (2) flats (All work except plumbing, shades and light fixtures).
Owner—Wm. G. Leowe, 271 Tehama St., San Francisco.
Architect—E. A. Neumarkel, 544 Market St., San Francisco.
Contractor—Wm. Martin, 180 Jessie St., San Francisco.
Plumbing awarded to H. Williamson, 1376 Mission St., $1135.

Contracts Awarded.
FLATS, ETC. Cost, $10,000
SAN FRANCISCO. W Castro 198-6 S Eighteenth Street.
Three-story and basement frame (2) flats and store.
Owner—Celina Stoltz.
Architect—None.
Contractor — L. U. Grant, 131 Beaver St., San Francisco.

Plans Ready for Figures.
FLATS Cost, $16,000
SAN FRANCISCO. NW Hillway and Parnassus Avenues.
Two-story and basement frame and plaster flats (2 flats, 6 rooms, sleeping porch and two bathrooms and conservatory each, with 2 garages in basement).
Owner—Miss A. Breeze.
Architect—S. Heiman, 57 Post St., San Francisco.
Figures will be taken for a general contract.

Contract Awarded.
FLATS Cost, $14,480
COLMA, San Mateo Co., Cal NE Mission Road and Market St.
Two-story frame (2) stores & (2) flats.
Owner—Luigia and Domenico Garibaldi
Architect—Paul F. De Martini, 946 Broadway, San Francisco.
Contractor—Guiseppe & Peter Carrara, 750 Fulton St. and 33 Cook St., San Francisco.

Contract Awarded.
FLATS Cost, $32,000
SAN FRANCISCO. NE Potrero Avenue and 17th Street.
Two two-story and basement frame and plaster flat buildings (8 4-room flats).
Owner—M. Dettling.
Architect—E. E. Young, 251 Kearny St., San Francisco.
Contractor—F. A. Holdener, 386 Utah St., San Francisco.

Contract Awarded
FLATS Cost, $10,450
SAN FRANCISCO. W Franklin 100 N Chestnut Street.
Two-story and basement frame (2) Flats.
Owner — Fred Thies, 2050 Greenwich St., San Francisco.
Architect—Paul De Martini, 946 Broadway, San Francisco.
Contractor—John Harder, 870 39th Av., San Francisco.

GARAGES

Contract Awarded.
GARAGE Cost, $16,000
SAN FRANCISCO. N Mission Street bet. Highland Ave. and West Park.
One-story concrete private garage.
Owner—Elfrieda Hanchett.
Architect—Albert W. Burgren, 110 Sutter St., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco.

Contract Awarded.
GARAGE Cost, $14,300
SAN FRANCISCO. E Fillmore 30 S Page.
One-story brick garage.
Owner—Aphra West, San Rafael.
Architect—F. S. Holland, 1629 Folsom St., San Francisco.
Contractor—Samuel Schell, 180 Jessie St., San Francisco.

Contract Awarded.
GARAGE Cost, $17,500
OAKLAND, Alameda Co., Cal. W Webster St. 380 S 21st St.
One-story brick garage.
Owner—D. B. Hengen, 431 Lagunitas St., Oakland.
Architect—None.
Contractor — F. A. Muller, Syndicate Bldg., Oakland.

Plans To Be Prepared.
ADDITION Cost, $22,000
BERKELEY, Alameda Co., Cal. SE Durant and Shattuck Ave.
Add one story to present one-story reinforced concrete garage.
Owner—Withheld.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.

GOVERNMENT WORK AND SUPPLIES

Plans Being Figured—Bids Close Apr. 10, 1922, 12 M.
HOSPITAL BUILDINGS Cost $1,400,000
PALO ALTO, Santa Clara Co., Cal.
Group of 19 hospital buildings.
Owner—U. S. Government.
Plans by owner.
See call for bids under official proposal column.

BENICIA, Solano Co., Cal.—Until March 14, 11.45 A. M., bids will be received by Commanding Officer, Benicia Arsenal, for furnishing and delivering under Supply No. 60: machinery sheet steel; twist drills; pipe dies; steam gauge cocks and hexagonal nuts.

SACRAMENTO, Cal.—Wm. Murcell, Oschner Bldg., Sacramento, at $7,284, awarded contract to construct carriers' room in basement, extend mailing platform, etc., in Sacramento postoffice.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at the end of each paragraph:

Schedule 9468, for Mare Island, 40,000 pounds galvanized flat sheet soft steel, 48 inches wide and 144 inches long; Mar. 21.

Sched. 9469, for Mare Island, 50,000 pounds well pulverized silica; Mar. 21.

Sched. 9473, for Mare Island and Puget Sound, 6,020 brass finished plain self-locking grease cups, type D, and for Puget Sound, 120 do, type A; Mar. 21.

Sched. 9474, for Mare Island, 150 reams flint sandpaper, grain No. 1, in sheets 9x11 inches, 480 sheets to ream; Mar. 21.

Sched. 9475, for the navy yard, Mare Island, 900 bronzed rim night latches, ⅞ inches deep, 2½ inches wide and 3⅝ inches long; Mar. 21.

Sched. 9479, for the navy yard, Mare Island, 720 diagonal cutting pliers, 144 crosscut hand saws and 1200 engineers' wrenches; Mar. 28.

WASHINGTON, D. C.—Bureau of Yards and Docks, Navy Department, is preparing specifications for the following Pacific Coast improvements:

Specification 4455, Puget Sound, Wash., repairs to roof, building No. 84.

Specification 4507, San Diego, Calif., passenger elevator for hospital.

Specification 4518, Pearl Harbor, superstructure for new machine shop.

Specification 4519, marine barracks, Mare Island, installation of toilet fixtures.

Specification 4548, Pearl Harbor, turbo alternator.

Specification 4566, Pearl Harbor, 5 buildings for torpedo and ammunition storage.

Specification 4567, Pearl Harbor, mine storage building, ammunition depot.

Specification 4575, Pearl Harbor, roads.

Specification 4577, Puget Sound, Wash., extension to building 368 for ordnance storage.

Specification 4579, San Diego, gun shed and stables.

Specification 4581, San Diego, hangar and oil storehouse.

Specification 4582, San Diego, quartermaster guardhouse and shops.

Sepcification 4591, Pearl Harbor, quay wall and piers.

Specification 4593, marine barracks, Mare Island, remodeling commandant's quarters.

Specification 4595, naval hospital, San Diego, lighting fixtures.

Specification 4596, naval hospital, San Diego, kitchen and diet kitchen equipment.

Specification 4599, Point Loma, Calif., garage, and Imperial Beach, Calif., coal shed.

Specification 4601, marine barracks, Mare Island, remodeling south half of building No. 53.

SEATTLE, Wash.—Until Mar. 20, 11 A. M., bids will be received by Alaskan Engineering Commission, Bell Street Terminal, for furnishing and delivering, Smith Cove Dock, Seattle, 3 tourist sleeping cars not exceeding 80 000 lbs. in weight. Further information may be had from San Francisco offices of the commission in the Customhouse.

PORTLAND, Ore.—Northwest Engineering Co., 309 Lewis Bldg., at $8,490, awarded contract to install mail conveying machinery in Portland Postoffice.

WASHINGTON, D. C. — Following bids received by Bureau of Yards and Docks, Navy Department, under Specification No. 4562, for constructing sea walls at Puget Sound, Wash:

Item 1. Price and time for 1200 linear ft. of sea wall complete; 2, add for each 10 ft. length sea wall at west end, addition limited to 100 ft.; 3 ,add for each 10 ft. in excess of 100 ft. under item 2; 4, add for each 10 ft. length in excess of 200 ft.; 5, deduct from item 1 for each 10 ft. length omitted at west end, limited to 200 ft.; 6, price and time for 950 linear ft. sea wall complete; 7, add to item 6 for each 10 ft. length added at west end; 8, add to item 6 for each 10 ft. length in excess of 100 ft. added under item 7; 9, deduct for each 10 ft. length omitted under item 6; 10, price and time for entire work in accordance with alternative No. 2; 11, add or deduct under items 1, 6 or 10, for each uncreosoted timber pile in excess of or less than number shown; 12, add or deduct from items 1, 6 or 10, for each linear ft. of uncreosoted timber pile in excess of or less than lengths indicated; 13, unit price, add or deduct items 1, 6 or 10, for each brace timber pile in excess of or less than the num-

ber shown on the drawings; 14, add or deduct items 1, 6 or 10, for each linear ft. brace timber in excess of or less than lengths indicated; 15, add or deduct items 6 or 10, for each timber pile except fender in excess of or less than number shown; 16, add or deduct items 6 or 10 for each ft. creosoted pile except fender in excess of or less than lengths indicated:

A. W. Triest Co., Seattle Wash., Item (1) $479,138, 300 days; (2) $4,000; (3) $4,000; (4) $4,000; (5) $3,500; (6) $327,-454; (7) $3,500; (8) $3,500; (9) $3,100; (11) $11; (12) 32c; (13) $20; (14) 50c; (15) $35; (16) $77.

W. T. Butler, 527 Central Bldg., Seattle, Wash., Item (1) $442,500, 300 days; (2) $3,110, 5 days; (3) $3,050, 5 days; (4) $3,090, 5 days; (5) $3,100, 3 days; (6) $278,400, 300 days; (7) $2,740, 5 days; (8) $3,050, 5 days; (9) $2,680, 3 days; (11) $14; (12) 20c; (13) $29; (14) 40c; (15) $42; (16) 70c.

J. A. McEachern Co., 552 Coleman Bldg., Seattle, Wash., Item (1) $418,-000, 300 days; (2) $4,800, 10 days; (3) $4,900, 10 days; (4) $5,200, 10 days; (5) $3 000, 3 days; (6) $246,000, 300 days; (7) $2,600, 10 days; (8) $2,800, 10 days; (9) $2,200, 3 days; (11) $13; (12) 12c; (13) $20; (14) 12c; (15) $33; (16) 55c.

Puget Sound Bridge and Dredge Co., Seattle, Wash., Item (10) $152,000, 250 days.

NAVY DEPARTMENT, Bureau of Yards and Docks, Office of the Chief, Washington.—Bids are wanted until March 29, specification 4587, for mess and kitchen equipment at the naval training station, San Diego, Calif. Deposit for plans, $10. For information address above.

HALLS AND SOCIETY BUILDINGS

Plans Being Prepared.
BUILDING Cost, $225,000
SAN FRANCISCO. N McAllister W Jones.
Nine-story class B girls' home building (territorial headquarters on 1st two floors and hotel above).
Owner—Salvation Army.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.

Plans Being Figured.
ADDITION & ALTER Cost, $——
DECOTO, Alameda Co., Cal.
New brick building and alter present building of Home.
Owner—Masonic Home of California.
Architects—Wm. Mooser and Edw. G. Bolles, associated, Nevada Bank Bldg., San Francisco.

To the General Building Industry:

Notice is hereby given that the Board of Trustees of the Masonic Homes to all those interested that applications will be received by the undersigned at once, and not later than the 13th March, 1922, from all contractors who desire to submit proposals for doing certain works on proposed buildings for the Masonic Homes at Decoto, California.

Applications must be made in writing, and stating the general business of the person or persons making application.

Proposals are to be received for work as follows:

1. Excavating and concrete works.
2. Brick and terra cotta.
3. Steel work.
4. Carpenter, millwork, sheet metal, roofing, etc.
5. Glass.
6. Lath, plaster, cementing and cast stone work.
7. Marble and tile works, Vitrolite, etc.
8. Elevators.
9. Plumbing.
10. Heating
11. Electric.
12. Painting.

WILLIAM MOOSER,
Architect.
EDWARD G. BOLLES,
Associate Architect

Plans Being Figured.
PAVILION Cost, $20,000
SAN FRANCISCO. Sloat Boulevard.
Two-story frame cafe and dancing pavilion.
Owner—Prince Imperial Inn.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.
Separate figures will be taken for plumbing, electrical work and painting.

Plans Being Prepared.
LODGE HALL Cost, $55,000
PORTERVILLE, Tulare Co., Cal. Main and Morton Streets.
Two-story fireproof lodge hall.
Owner—Porterville Lodge No. 1342, B. P. O. E., J. A. Newbury, Chairman Building Committee.
Architect—Ernest J. Kump, Rowell Bldg., Fresno.

HOSPITALS

Contracts Awarded.
HOSPITAL Cost, $200,000
SAN FRANCISCO. 19th Avenue bet. Lawton and Moraga Streets.
One and two-story and basement reinforced concrete hospital for crippled children.
Owner—Mystic Shrine.
Architects—Weeks & Day, Phelan Bldg San Francisco.
Excavating and Grading awarded to H. N. McClure, 180 Jessie St.
Concrete Work to Farrell & Reed, 180 Jessie St.
Structural Steel to Dyer Bros., 17th & Kansas St.
Brick and Structural Terra Cotta to N. Anderson, 180 Jessie St.
Architectural Terra Cotta to N. Clark & Co., 116 Natoma St.
Sheet Metal to Oscar Krenz, 626 Bryant St.
Composition Roofing to Insulite Co.
Insulite to Johns Manville Co., Post and Mason Sts.
Tile Roofing to N. Clark & Co., 116 Natoma St.
Carpentry and Mill Work to Stockholm & Sons, 180 Jessie St.
Ornamental and Miscellaneous Metal to Michel & Pfeffer, 1415 Harrison St.
Metal Furring and Lathing to C. H. Edwards, 773 28th Ave.
Plastering to R. A. Smith, 180 Jessie Street.
Marble to J. E. Back, 1533 San Bruno Ave.
Tile Work to Ginsberg Tile Co., 180 Jessie St.
Composition Work to Hoff Magnesite Co., Monadnock Bldg.
Glass Work to Habenicht & Howlett, Inc., 525 Clay St.
Painting to H. Maundrell, 180 Jessie St.
Vault Door to Mosler Safe Co., 625 Market St.
Elevator to Otis Elevator Co., Beach and Stockton.
Mechanical Equipment to Burnham Co., 1220 Webster St.
Plumbing to Frank J. Klimm, 226 Oak St.
Electrical Work to Atlas Elec. Co., 180 Jessie St.
Insulite Flooring, Base and Stairs to Insulite Co., 180 Jessie St.

HOTELS

Bids Opened.
HOTEL Cost, $5,000,000
LOS ANGELES. 5th and Olive Sts. and Grand Ave.
Fourteen-story and basement Class A hotel, 320x198 (Biltmore Hotel) 950 rooms and baths.
Owner—Central Investment Co.
Architects—Schultze & Weaver, New York, and 633 Pacific Mutual Bldg., Los Angeles.
Lange & Bergstrom, Washington Bldg., Los Angeles and Monadnock Bldg., San Francisco, $4,991,773.
Scofield Eng. & Constr Co., Los Angeles, $5,086,000.
James Stewart & Co., New York, $5,210,000.
C. J. Kubach Co., Los Angeles, $5,235,-131.
George A. Fuller Co., New York, $5,-250,000.
Foundation Co., New York and San Francisco, $5,349,470.
Weymouth Crowell Co., Los Angeles, $5,587,200.
Selden-Breck Constr. Co., St. Louis, $5,715,412.
The contractors have been asked to submit bids on 50 or more alternate propositions. These bids will be received in a few days and until they are considered it will not be definitely known who will eventually be the successful bidder.

Completing Plans.
DEPOT AND HOTEL Cost, $——
CALIENTE, Nevada.
Two-story frame and plaster railway depot and hotel building 200x60.
Owner—Union Pacific Railway Co.
Architect—John Parkinson, 420 Title Insurance Bldg., Los Angeles.

Plans Being Prepared.
ALTERATIONS Cost, $3000
SACRAMENTO, Cal. Fifth and J Sts.
Install Turkish baths in basement of hotel.
Owner—Travelers Hotel, Premises.
Architect — E. C. Hemmings, Ochsner Bldg., Sacramento.

Low Bidder.
HOTEL Cost, $26,834
STOCKTON, San Joaquin Co., Cal. Lafayette St. between Hunter and San Joaquin.
Three-story brick hotel (pressed brick exterior with plaster trim).
Owners—J. Marciano and J. and F. Solari.
Architect — Victor Galbraith, Elks Bldg., Stockton.
Low Bidders—Shepherd & Riley.

PUBLIC BUILDINGS

SAN FRANCISCO—The following is a complete list of bids received on March 1st, by Architect Lewis P. Hobart, Crocker Bldg., for the construction of a reinforced concrete and stone aquarium, to be erected in Golden Gate Park, as a gift to the California Academy of Sciences from Ignatz Steinhart, deceased. Contracts to be awarded to the lowest bidders:

Excavating, Concrete, Carpenter, Structural Tile, Sheet Metal and Roofing, Ornamental Tile and Marble.

Clinton Constr. Co., 140 Townsend St.	$84,933
R. McLeran Co.	87,436
K. E. Parker Co.	91,200
Barrett & Hilp	92,472
H. L. Peterson	92,768
Mahony Bros.	93,900
Hannah Bros.	97,000
J. L. McLaughlin	98,000
Anderson & Ringrose	100,000

Plumbing, Heating and Refrigeration

Fred'k. Snook, 596 Clay St.	$35,805
Frank Klimm	39,760
Gilley-Schmid	40,329
Atlas Heating & Ventilating Co.	44,090

Electrical Work

Standard Elec. Constr. Co., 80 Natoma St.	$3850
Globe Elec. Co.	4300
H. S. Tittle	4325
H. R. Feld	4325
Central Elec. Co.	5510
Newbery Elec. Co.	5625
Butte Elec. & Mfg. Co.	5655
Ne Page-McKenney	5769

Plastering

Peter Bradley	$17,600
Hermann Bosch	19,600
Lyden & Bickel	25,305

Glazing

W. P. Fuller Co., Beale & Mission Sts.	$ 9,316
Fuller & Goepp	9,625
Cobbledick & Kibbe	10,175

Ornamental Iron

C. J. Hillard Co., 19th and Minnesota Sts.	$3986
Monarch Iron Works	5138
Federal Orn. Iron Works	5575
Cal. Art Metal Co.	6660
Keystone Iron Works	7161
A. Haus	7204

Tile

Mangrum & Otter, 827 Mission St.	$7229

Painting

Gurnette & Chandler	$6000
J. H. Keefe Co.	6000

Awnings

W. Plummer Co.	$650

Bids Opened.
LIBRARY Cost, $——
LIVINGSTON, Merced Co., Cal.
Branch County Library.
Owner—County of Merced, P. J. Thornton, Clerk, Merced, Calif.

Architect—Plans by County Surveyor A. E. Cowell, Merced, Calif.
Following blds were received: Merced Concrete Pipe Co, Merced $12,120; John Groom, Livingston, $9,479; John D. Carlson, Turlock, $9,646; P. T. Wallstrum, Turlock, $9,990.

Plans Completed.
COMFORT STATION Cost, $2500
ALAMEDA, Washington Park.
Women's Comfort Station.
Owner—City of Alameda.
Architect — Carl Warner, Humboldt Bank Bldg., San Francisco.

RESIDENCES

Figures to be Taken Next Week.
RESIDENCE Cost, $10,000
ALAMEDA, Alameda Co., Cal. San Antonio Ave.
Two-story and basement frame and stucco residence.
Owner—Capt. H. S. Pond.
Architect—Jas. T. Narbett, Syndicate Bldg., Oakland.

Plans Being Prepared.
RESIDENCE Cost, $20,000
SAN FRANCISCO. St. Francis Wood.
One-story frame and stucco residence (8 rooms and garage).
Owner—Hart Weaver.
Architect—Henry H. Gutterson, 278 Post St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $15,000
SAN FRANCISCO. St. Francis Wood.
Two-story frame and plaster (9 rooms and 2 bathrooms) residence and separate garage with servants' quarters.
Owner—Paul K. Judson.
Architect—H. H. Gutterson, 278 Post St., San Francisco.
Contractor—Mangels Bros., 4792 Mission St., San Francisco.

To be done by Day's Work.
RESIDENCES Cost, $18,000 (($2,000 each).
SAN FRANCISCO. W Edinburgh 175 to 375 N Excelsior.
Nine 1-stery and basement frame residences.
Owners—K. Anderson and T. Johnson, 133 Bertita Ave., San Francisco.
Architect—None.

Contract Awarded.
RESIDENCE Cost, $17,350
BURLINGAME, San Mateo Co., Cal. Lot 13 Blk 10 Map 2, Burlingame Land Co.
Two-story frame residence and garage
Owner—Paul R. A. Wessel, Burlingame
Architects—Alfred Kuhn and Thos. Edwards, 833 Market St., San Francisco.
Contractor—Clarence E. Fowler, 829 Edgehill, Burlingame.

Figures to be taken in About a Week.
RESIDENCE Cost, $8,000
LODI, San Joaquin Co., Cal.
Two-story frame colonial residence (7 rooms; pipeless furnace).
Owner—Withheld.
Architect—Victor Galbraith, Elks Bldg, Stockton.

Plans Being Figured.
RESIDENCE Cost, $7,500
STOCKTON, Cal. Northcrest Addition.
Two-story frame residence 7-rooms.
Owner—Ralph Jeannelle.
Architect—Losekann & Clowdsley, Elks Bldg., Stockton.

Contract Awarded.
RESIDENCE Cost, $15,000
SAN FRANCISCO. W Twenty-first Ave. 247 N California St.
Two-story and basement frame residence.
Owner—A. J. Wilson, 210 22nd Ave., San Francisco.
Architect—None.
Supt. of Constr.—J. E. Scully, Phelan Bldg., San Francisco.

Low Bidder.
RESIDENCE Cost, Approximately $11,000.
SAN FRANCISCO. Forest Hill
Two-story frame and plaster residence (9 rooms and garage).
Owner—Withheld.
Architect—Walter C. Falen, Hearst Bldg., San Francisco.
Low Bidder—J. J. Prout, 2020 Turk St., San Francisco.

Contract Awarded.
DWELLING Cost, $12,500
OAKLAND, Alameda Co., Cal. N Florida Ave. 200 E Circle.
Two-story 7-room dwelling.
Owner—H. N. Tuerell, London Court Apts., Oakland.
Architect—John Hudson Thomas, 1st National Bank Bldg., Berkeley.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, $12,250
SAN JOSE, Santa Clara Co., Cal. Hanchett Tract, Bush and Sequoia Sts.
Two-story frame residence and garage
Owner—Stanley Hiller, 35 S-17th St., San Jose.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—C. F. Keesling, 348 Coe Ave., San Jose.

Owner Taking Figures
RESIDENCE Cost, $20,000
SANTA CRUZ, Santa Cruz Co., Cal.
Two-story frame and concrete residence
Owner—Samuel Leask, Seaside Store, Santa Cruz.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

To be Done by Day's Work.
RESIDENCES Cost, $5000 each
SAN FRANCISCO. Forty-fourth Ave. bet. Geary and Anza Sts.
Six one-story 5-room frame residences.
Owner—Meyer Bros.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

SCHOOLS

Plans Being Figured.
SCHOOL Cost, $——
LOS ANGELES, Cal. Pico St. bet. Ardmore and Harvard Blvd.
Two-story and basement Class A reinforced concrete and brick high school, 242x130.
Owner—Roman Catholic Bishop of Monterey and Los Angeles.
Architect—Albert C. Martin, 430 Higgins Bldg., Los Angeles.

Figures to be taken Shortly.
SCHOOL Cost, $135,000
LOS ANGELES, Cal. Gardena High School Site.
Two-story and basement reinforced concrete and brick high school, 155 by 64.
Owner—Los Angeles Board of Education.
Architect—Farrell & Miller, 327 I. W. Hellman Bldg., Los Angeles.

Plans Being Figured—Bids Close Mar. 15, 1922, 9 A. M.
SCHOOL Cost, $75,000
LOS ANGELES. Avenue 21 School on Avenue 21 near Pasadena Avenue.
Two-story 8-room brick school 88x130.
Owner—L. A. Board of Education.
Architect—Montgomery and Nibecker, Story Bldg., Los Angeles.
Bids will be taken separately on the general contract, plumbing, heating, and electric wiring. The bids for painting are to be received Mar. 8.

Contracts Awarded.
SCHOOL Cost, $275,000
OAKLAND, Alameda Co., Cal. Galindo St., and 35th Ave.
Brick and concrete school building (Alexander Hamilton School).
Owner—Oakland School District and Oakland High School District, N. W. Cook, Acting Secretary Board of Education.
Architect—Architectural Dept. of Board of Education.
General Contract to M. C. Vaughn, 357 12th St., Oakland, $110,000.
Brick Work to Mealey & Collins, 180 Jessie St., San Francisco, $12,890.
Plastering to Geo. Dixon, 541 Apgar St., Oakland, $21,487.
Painting to R. Zelinsky, 180 Jessie St., San Francisco, $6572.
Yard Work, not decided.
Plumbing to A. Feldhammer, 1004 Park St., Alameda, $15,500.
Heating and Ventilating to Scott Co., $19,970.
Electric Work to The Turner Co., 272 Natoma St., San Francisco, $21,800.

Plans Being Figured—Bids Close Mar. 22, 1922, 9 A. M.
SCHOOL Cost, $75,000
LOS ANGELES. 52nd Street School on Hoover St. between 51st Place and 52nd Street.
Two-story reinforced concrete and hollow tile school.
Owner—L. A. Board of Education.
Architect—Edelman & Barnett, Los Angeles.
Bids will be taken separately on general contract, plumbing, heating, painting and electric wiring.

Bids to be Called for in About a Week.
SCHOOL Cost, $80,000
UKIAH, Mendocino Co., Cal.
Two-story reinforced concrete school building.
Owner—Ukiah Grammar School District.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.

Plans Being Figured—Bids Close Mar. 25, 1922, at 11 A. M.
SCHOOL Cost, $115,000
LIVERMORE, Alameda Co., Cal.
One and two-story hollow tile school (8 classrooms, auditorium, gymnasium, manual training, domestic science rooms, etc.)
Owner — Livermore Grammar School District.
Architect — Henry H. Meyers, Kohl Bldg., San Francisco.
The specifications are divided into the following departments:
Dept. 1.—All work except plumbing, electric and heating.
Dept. 2.—Plumbing Work.
Dept. 3.—Electric Work.
Dept. 4.—Heating Work.
Contractors may submit bids on these departments and may also submit bids on any combination of two or more departments.
In applying for plans contractors should state what departments they propose bidding on.
See call for bids under official proposal column.

Figures to be Taken Shortly.
SCHOOL Cost, $——
LOS ANGELES. Fremont School on Fremont Ave. between 2nd and 3rd Streets.
Twelve-room brick school.
Owner—Los Angeles Board of Education.
Architect—Robert D. Farquhar, Security Bldg., Los Angeles.

Contracts Awarded.
SCHOOL Cost, $——
SONOMA, Sonoma Co., Cal.
Two-story reinforced concrete high school building 170x145.
Owner—Sonoma High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
General Contract to Larsen & Siegrist, Claus Spreckels Bldg., San Francisco, $103,777.
Heating (steam with oil burner) to Scott Co., 243 Minna St., S. F., $8,590.

Bonds Voted—Figures to be called for about May 1st.
SCHOOL BUILDINGS. Cost, $230,000
LODI, San Joaquin Co., Cal.
Brick and concrete high school buildings (Junior college, science bldg., swimming pool and remodel gymnasium, etc.)
Owner—Lodi High School District.
Architects—Stone & Wright, Bank of Italy Bldg., Stockton.

Figures to be Taken Shortly.
ADDITION Cost, $65,000
NORTH SACRAMENTO, Calif.
One-story interlocking tile and stucco 4-room addition to school.
Owner—North Sacramento School Dist
Architect — E. C. Hemmings, Ochsner Bldg., Sacramento.
Bonds were sold last month

OAKLAND, Cal.—Until March 20, 4:30 P. M., bids will be received by N. W. Cook, Acting Secretary of the Board of Education, for lathing and plastering certain new buildings for Lockwood School. **See call for bids under official proposal section in this issue.**

GLENDALE, Cal.—Rommel Constr. Co., 131 S. Brand Blvd., Glendale, was low bidder at $95,500 on the general contract for erecting an intermediate school building at Glendale; Alfred F. Priest, 618 Fay Bldg., Los Angeles, is the architect. Low bidders on other contracts were: Coker & Taylor, Glendale, on plumbing at $5293; Newbery Electric Corp., on electric wiring and fixtures at $2952; Pacific Gas Radiator Co. on gas heating an ventilating at $4620, and Thos. Haverty Co. on steam heating and ventilating at $6220. Standard Electric Time Co. was only bidder at $1350 on program clocks. Bids taken under advisement for one week. Eight classrooms, offices, domestic science and manual training departments, and an auditorium to seat 600 people. One and two-story, 196x96 ft., brick construction, ruff, brick facing, terra cotta trim, clay tile roof, pine trim and floors.

SACRAMENTO, Cal.—The following school bulidings will be erected in Sacramento under the additional bonds voted. Plans are being prepared by Hemmings-Petersen-Hudnutt, Inc., Architectural and Engineering Commission, City Library Bldg., 9th and I Sts., Sacramento:

	Cost
Riverside School, 3 rooms	$15,000
Washington School, 8 rooms	60,000
Jefferson School, 2 rooms	12,000
Newton Booth School, 4 rooms	32,500
Highland Park School, 4 rooms	32,500
Elmhurst School, 2 rooms	16,000
El Dorado School, 2 rooms	16,000
Leland Stanford School, 4 rooms	26,000
Brete Harte School, 4 rooms	26,000
Fremont School, auditorium	40,000

Bonds to the amount of $750,000 were also voted for an addition to the High School, for which Edgar A. Mathews, Call Bldg., San Francisco, is the architect. The building is about two-thirds complete and costs $650,000. The addition will be built during the coming year.

PALO ALTO, Santa Clara Co., Cal.—The following bids were received on March 6th by the Board of Trustees of the Palo Alto City School District for the construction of a one-story six-room frame school building from plans prepared by Architect Charles K. Sumner 57 Post St., San Francisco. The three lowest bids were taken under advisement. (Alternate A deduct; B add).

Geo. D. Huston, Sunnyvale $46,774
(a) $1030; (b) $——.
Louis J. Cohn, San Francisco $48,471
(a) $750; (b) $65.
John Morton, San Francisco $51,800
(a) $2620; (b) $10.
L. M. Sommer, San Francisco $52,482
(a) $968; (b) $50.
B. A. Trobock San Francisco $52,676
(a) $2260, (b) $——
Cobby & Owsley, San Francisco $52,700
(a) $2650; (b) $120.
Walter Murk, Oakland $52,952
(a) $1500; (b) $80.
Minton Co., Inc., Mt. View $54,969
(a) $3384; (b) $80.
Collman & Speidel, S. F. $55,330
(a) $2550; (b) $——

LOS ANGELES, Cal.—Pozzo Construction Co., 421 Macy St., Los Angeles, was low bidder at $81,500, on the general contract for a new school building at Wadsworth St. school site; Rea & Garstang, architects. Low bidders on other contracts were: W. W. Brooks on plumbing at $7900; D. Zelinsky & Sons on painting at $2889; American Electric Construction Co. on electrical work at $2490; and J. Hokom on steam heating at $5541. Bids referred to business manager. 10 rooms, 2-story, 76x121 ft., brick walls, stucco exterior, clay tile and composition roofing, pine trim, maple floors, marble work, reinforced concrete corridors and stairways.

LONG BEACH, Cal.—J. W. Davison, 361 E Walnut St., Long Beach, was the low bidder at $117,370, on the general contract for two brick gymnasium buildings at the Polytechnic High School, Long Beach. F. D. Reed Plumbing Co., low on plumbing at $12,687; W. B. Walters, low on painting at $6486; Thos. Haverty, low on steam heating at $17,400; Standard Elec. Time Co., low on program clocks at $1497, and F. E. Newbery Elec. Co., low on electric work at $5237. John C. Austin, 1129 Baker-Detwiler Bldg. and W. Horace Austin, 222 First National Bank Bldg., Los Beach, associated architects.

LOS ANGELES, Cal.— H. H. Hinds, 351 S. Hoover St., Los Angeles, has been awarded the general contract at $44,750 for erecting an addition to Rowan Ave. school building; H. F. Withey, 405 S. Western Ave., Los Angeles, is the architect. Other contracts were awarded as follows: Plumbing to J. Hokom at $1318; steam heating to J. Hokom at $3886; painting to R. Zelinsky at $2885, and electrical work to F. B. Potter Electric Co., at $915. Eight classrooms, brick construction, stucco exterior and composition roofing.

POMONA, Orange Co., Cal.—Harvey M. Hanawalt, 6th and G Sts., La Verne, was low bidder at $87,250, on excavating, grading and concrete work for the new high school building, to be erected in Pomona. Robert H. Orr and W. H. Weeks, 1301 Van Nuys Bldg., Los Angeles, associated architects. Other low bids were: H. E. Knerr, 628 N Hobart, low on mason work at $45,352; Lawrence Burck Co., 325 S Hill, low on carpenter work at $89,646; Gust. Johnson, 2426 Barry Sawtelle, low on lath and plastering at $43,850; Minneapolis Steel & Machinery Co., Salt Lake City, low on steel and iron at $19,430; F. J. Donnelly, 1066 N Wilton Place, low on plumbing at $14,990; F. J. Donnelly low on heating and ventilating at $26,775; F. A. Blatz, Pomona, low on painting at $9335; Woodill-Patterson Co., 118 E 3rd St., low on electric work at $10,260; John Avon, 1547 Naud, low os terrazzo work at $5150; Joseph Musto Sons-Keenan Co., 26th and Soto Sts., low on marble and tile work at $3036; Wohlman Mfg. Co., 2702 S Alameda, low on spec. furn. and fix., at $16,688; Atlas Roofing Co., 212 N Los Angeles, low on composition roofing at $3516; W. P. Fuller & Co., low on glasswork at $5495; Maritzen-Kuns Co., low on wisdow shades at $3106; Chas. J. Strangman, 137 Rose, low on sheet metal at $4650; Bennett-Montgomery Hardware Co., 323 S San Pedro, low on finish hardware at $5432; C. F. Weber & Co., San Francisco, low on slate blackboards at $4416.75; Sweetser & Baldwin Safe Co., low on vault doors at $290. Lockwood & Gauger, Hibernian Bldg., submitted a group bid at $291,000 for concrete, masonry and carpenter work, the only one.

LOS ANGELES, Cal. — Lawrence Burck Construction Co., 325 S Hill St., Los Angeles, was low bidder at $33,000, on the general contract for erecting a two-story 6-room addition to the Malabar Street School building. Noerenberg & Johnson, 401 Los Angeles Ry. Bldg., Los Angeles, architects. Other low bidders were: Thos. Haverty Co., on plumbing at $3440; American Elec. Construction Co., on wiring at $1098; Horace H. Mann, on painting at $1548; F. J. Donnelly, on heating at $2694. Brick construction, 85x61 ft., shingle roof, pine trim, maple floors. The bids

LOS ANGELES, Cal.—Walter Slater Co., 2314 Santa Fe Ave., Los Angeles, was low bidder at $62,200 on the general contract for erecting a brick school building on 15th St. School site, on Mesa St. between 15th and 16th Sts., San Pedro. Other low bidders were: Thos. Haverty Co. on heating at $3850, D. Zelinsky & Son on painting at $2839; Arthur Hess on plumbing at $7839; and American Elec. Constr. Co. on wiring at $2593.

LOS ANGELES, Cal.—Walter Slater Co., 2314 Santa Fe Ave., Los Angeles, was low bidder at $69,700, on the general contract for erecting a new school building at Garvanza school site, on Avenue 62, near Eagle Rock Ave. Norman F. Marsh, 210 Broadway Central Bldg., architect. Low bidders on other contracts were: Newbery Elec. Corp., on wiring at $3249; H. H. Mann, on painting at $2794; South Pasadena Plumbing Co. on plumbing at $4590; J. Hokom on steam heating at $4986. Two-story, 131x104 ft., brick construction, plaster exterior, clay tile and composition roofing, pine trim.

MONTEREY, Monterey Co., Cal.—As previously reported contract for 2-room addition to Monterey grammar school awarded to T. H. Dean, Pacific Grove, at $11,644. Only other bidder, Fred McCrary, Pacific Grove, $11,731. Contract for heating awarded to Luppen, Hawley & Thing, 906 7th St., Sacramento, at $822. Only other bidder, Silva Plumbing Co., Monterey, $1,400. Tuttle & Angel, 565 Lighthouse Ave., Pacific Grove, architects.

Plans Being Figured—Bids Close Apr. 3, 1922, 7.30 P. M.
SCHOOL Cost, $80,000
OAKDALE, Stanislaus Co., Cal.
Two-story reinforced concrete school building.
Owner—Oakdale Union High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
See call for bids under official proposal column.

SAN FRANCISCO — The following sub-contracts have been awarded by E. E. Etherton Co., Monadnock Bldg., general contractors, on the Adams school, now under construction in Ellis St. between Polk and Van Ness Ave., have been approved by the Board of Public Works: Reinforcing to Gunn-Carle Co.; Miscellaneous Pan Forms reinforcing to Steel Form Co.; Miscellaneous and ornamental iron work to C. J. Hillard Co.; Sheet Metal to Fire Protection Products Co.; Roofing and Damproofing to Mallott and Peterson; Marble to Jos. Clervi & Sons; Glass to W. P. Fuller Co.; Lumber to Hart-Wood Lumber Co.; Millwork to Empire Planing Mill; Blackboards to C. F. Weber Co.; Painting to Tessler & Co.; Finish Hardware to Joost Bros.

Contract Awarded.
SCHOOL Cost, $46,774
PALO ALTO, Santa Clara Co., Cal.
Middlefield Road.
One-story frame school (6 classrooms).
Owner—Palo Alto City School District, A. C. Barker, Secretary.
Architect—Chas. K. Sumner, 57 Post St., San Francisco.
Contractor—Geo. D. Huston, Sunnyvale, Cal.

STORES AND OFFICES

Low Bidder.
AUTO SALES BLDG. Cost, $30,000
OAKLAND, Alameda Co., Cal. Webster Street near 14th Street.
One-story reinforced concrete auto sales building.
Owner—A. D. Babcock.
Architect—Meyer & Johnson, 742 Market St., San Francisco.
Low Bidder—R. W. Littlefield, 351 12th St., Oakland.

Contract Awarded.
OFFICE BLDG. Cost, $331,755
LOS ANGELES, Cal. SW Eighth and Spring Sts.
Twelve-story and basement Class A store and office building, 50x155.
Owner—W. W. Paden and C. H. Price, Story Bldg., Los Angeles.
Architect—Loy L. Smith, 804 Higgins Bldg., Los Angeles.
Contractor—Clinton Constr. Co., Stock Exchange Bldg., Los Angeles and 140 Townsend St., San Francisco.

Plans Being Figured.
STORES Cost, $——
SAN FRANCISCO. W Mission St. bet. Seventeenth and Eighteenth Sts.
Two-story and mezzanine Class C store and loft building.

Owner—Mission Realty Co.
Architect—A. J. Horstman, 304 Anglo Bldg., 16th and Mission St., San Francisco.
Figures are being taken for a general contract.

Plans Being Prepared.
ALTERATIONS Cost, $——
SAN FRANCISCO. E Montgomery between Bush and Sutter Sts.
Interior work for men's clothing store in 4-story building now being erected.
Owner—Roos Bros., NE Stockton and Market Sts., San Francisco.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.

To be Done by Day's Work.
STORE BLDG. Cost, $3000
SAN FRANCISCO. S Washington 57-6 W Montgomery Street.
One-story and basement brick store building.
Owner—J. A. Porporato.
Architect—J. A. Porporato, 619 Washington St., San Francisco.

Plans Being Prepared—Contract Awarded.
STORES Cost, $——
LODI, San Joaquin Co., Cal. School and Pine Streets.
Two-story brick stores 50x170.
Owner—Mrs. J. B. Cory.
Architect—E. B. Brown, Lodi.
Contractor—Robt. Melville, Lodi.

Plans Completed—To be done by Subcontracts.
OFFICES AND STORES Cost, $50,000
SAN FRANCISCO. N Geary 206-8 W Mason.
Five-story and basement reinforced concrete offices and stores.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—D. C. Coleman, 110 Sutter St., San Francisco.

Contract Awarded.
OFFICE BUILDING Cost, $12,500
SANTA ROSA, Sonoma Co., Cal. Clinton Ave. between 3rd and 4th Sts.
Two-story reinforced concrete office building.
Owner—J. M. Whittingham.
Architect—Wm. Herbert, City Hill, Santa Rosa.
Contractor—W. L. Proctor, Santa Rosa.

Figures to be Taken in a Few Days.
FILM EXCHANGE BLDG. Cost, $50,000
SAN FRANCISCO. Leavenworth Street between Golden Gate Ave. and Turk St.
Two-story and basement reinforced concrete film exchange building.
Owner—Louis R. Lurie.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
Figures will be taken for a general contract.

Plans Being Prepared.
STORE BLDG. Cost, $60,000
SACRAMENTO, Cal. Downtown Corner
Store building to contain nine stores.
Owner—Withheld.
Architect — E. C. Hemmings, Ochsner Bldg., Sacramento.
Construction will be started the first of May.

Plans to be Prepared.
OFFICES, ETC. Cost, $1,000,000
SACRAMENTO, Cal. SW Tenth and J Streets.
Eight or ten-story Class A stores and offices; site 100x80 feet.
Owner—California State Life Insurance Co., Marshall Diggs, President.
Architect—Not Selected.

Plans Completed—Wrecking Bids Being Taken.
STORE BLDG. Cost, $——
VALLEJO, Solano Co., Cal. NE Georgia and Santa Clara Sts.
One-story reinforced concrete store building.
Owner—S. Dannenbaum, San Francisco
Architect—Chas. E. Perry Jr., 514 Main St., Vallejo.
Bids are now being taken for wrecking the building now on the site.

Contracts to be Awarded.
OFFICE BUILDING Cost, $75,000
SAN FRANCISCO. Howard St. and Hawthorne Ave.
Two-story and basement Class C office and loft building.
Owner—S. F. News Co., Howard St., San Francisco.
Architect—N. W. Sexton, Chronicle Bldg., San Francisco.
Contracts will be awarded to the lowest bidders, as follows:
Excavating and Concrete to Atlas Concrete Co., $18,387.
Carpentry Work to N. F. Nielsen, 180 Jessie St., $32,620.
Brick and Terra Cotta to Mealy & Collins, $27,900.
Structural Steel to Western Iron Wks., $6,226.
Bronze and Ornamental Iron, Federal Ornamental Iron Works, $1,850.
Miscellaneous Iron Work to Western Iron Works, $3,680.
Electrical Work to Globe Elec. Works, $2,665.
Plumbing to C. Petersen Co., $4,189.
Heating to C. Petersen Co., $3,950.

Contract awarded.
PRODUCE BUILDING Cost, $7,914
OAKLAND. Franklin St. between 5th and 6th Sts.
One-story concrete and brick produce building.
Owner—F. W. Diehl.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—W. G. McGinty & Son, 2506 Kieth Ave., Berkeley.

Iron Contract Awarded—Other Work to be done by Day's Labor.
ALTERATIONS Cost, $50,000
SAN FRANCISCO. Cliff House.
Extensive interior alterations to cafe. (It will be enlarged to seat 550 people, the kitchen and serving department will be moved to the basement, the interior will be elaborately decorated).
Owner—Charles Sutro.
Lessee—Richard P. Roberts.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

SAN FRANCISCO—The Scott Co., 243 Minna St., has been awarded a contract by Lindgren Co., Monadnock Bldg., in connection with construction of a 16-story Class A office building. It is to be erected on the southeast corner of Main and Market streets, for the Matson Navigation Co. Plans were prepared by Architects Bliss & Faville, Balboa Bldg.

THEATRES

Sub-figures to be Taken Shortly.
THEATRE Cost, $——
LOS ANGELES. SW Pico St. and Norton Ave.
One-story reinforced concrete Class A theatre building 110x220.
Owner—Forum Theatre Cptn.
Architect—E. J. Borgmeyer, 1003 California Bldg., Los Angeles.

Plans Being Revised.
THEATRE Cost, $400,000 to $500,000
SACRAMENTO, Cal. K Street, between Ninth and Tenth Streets.
Class A motion picture theatre building (2650 seats).
Owner—Paramount Theatre Co.
Architect—Leonard S. Starks, Ochsner Bldg., Sacramento.
Plans will be ready for figures in May. Entirely new plans are being prepared, making the building larger than originally planned.

Plans Being Prepared
ALTERATIONS Cost, $30,000
SACRAMENTO, Calif. Oak Park.
Enlarge and alter Victor Theatre (remodel interior, re-decorate, new lighting system, new front, marquise, new heating and ventilating plant).
Owner—Victor Theatre.
Architect — E. C. Hemmings, Ochsner Bldg., Sacramento.

Plans Being Prepared.
ALTERATIONS Cost, $10,000
SACRAMENTO, Calif. No. 615 K St.
Extensive alterations to T. & D. Theatre. (Enlarge first floor, redecorate, new ventilating and heating plant and new lighting system)
Owner—Turner & Dahnken.
Architect — E. C. Hemmings, Ochsner Bldg., Sacramento.

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Official Proposals

A call for bids published in this section indicates that bids are desired from other than local bidders. Maximum competition is desired, and this is assured through BUILDING AND ENGINEERING NEWS which reaches every worth-while contractor and materialman in Central and Northern California who bids on public work.

Rate: 10 cents per line, per insertion.

All official calls for bids of the California State Highway Commission and Nevada State Highway Commission are published in this section.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **The California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on April 3, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Riverside County, between Banning and Whitewater (VII-Riv-26-C), about twelve and three-tenths (12.3) miles in length, to be paved either with Portland cement concrete or asphalt concrete.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated March 6, 1922.

BIDS WANTED FOR LATHING AND PLASTERING FOR SCHOOLS

NOTICE TO CONTRACTORS

SEALED BIDS will be received by the Board of Education of the City of Oakland, City Hall, Oakland, California, **until Monday, the 20th day of March, 1922, at 4.30 o'clock P. M., of said day,** the day when said bids will be opened, for the Lathing and Plastering of certain New Buildings for the Lockwood School, of the Oakland School District and Oakland High School District, located at East 14th Street and 68th Avenue, Oakland, California.

Plans and specifications for said work are on file at the office of the Acting Secretary of the Board of Education, and at the office of the Chief of Construction, Chabot Hall, 11th and Jefferson Streets, Oakland, California.

On a deposit of Twenty-five ($25) Dollars, complete sets of said plans and specifications may be had by any prospective bidder. These may be retained for a period of ten (10) days by the Contractors. If these plans and specifications are not returned within said period, or if they be mutilated, the said deposit may be retained by said School Districts as agreed and liquidated damages for said detention and mutilation.

Bids must be made on proposals obtained at the office of the Chief of Construction, and be signed by the bidder, accompanied by a certified check for at least ten (10%) per cent of the amount of the bid or proposal, certified to by some responsible bank or banker, and made payable to N. W. Cook, Acting Secretary of the Board of Education, to be retained by the said School Districts as agreed and liquidated damages should the party or parties to whom the contract should be awarded fail to enter into the contract after the award, or to give bonds required for the faithful performance of the contract, or any bond required by law.

Bids will be opened by the Board of said Districts on the Twentieth day of March, 1922, at the hour of 4.30 P. M., in the Board Room, 211 2nd floor of said City Hall, in said City of Oakland. The Board reserves the right to reject any or all bids or any or all items of such bids.

N. W. COOK,
Acting Secretary of the Board of Education.

BIDS WANTED FOR SCHOOL
(One and two-story hollow-tile structure; estimated cost, $110,000)

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Clerk of the Board of Trustees of Livermore School District of Alameda County, at the Office of the Clerk of Board, in the Grammar School Building, Livermore, California, **until eleven o'clock A. M., on Saturday, the 25th day of March, 1922** (at which place on said day at two o'clock P. M., said bids will be opened), for all labor and material required for the erection and completion of the several departments of work in a one and two story school building.

In accordance with the complete plans and specifications for said work on file and open to inspection at the office of the architect, Henry H. Meyers 1201 Kohl Bldg., San Francisco, California, and on file at the office of the Clerk of this Board hereinbefore mentioned. Copies may be obtained at their office by depositing with the undersigned Clerk of the Board the sum of Twenty Dollars ($20). Contractors will be restricted as to the length of time they may retain these plans and specifications to twelve (12) days on Dept. 1 and six (6) days on Depts. 2, 3 and 4. Contractors failing to return said plans and specifications within said time limit will forfeit said deposit to said Livermore School District. Each bid must be accompanied by a check for at least ten per cent of the amount of the bid or proposal certified to by some responsible bank and made payable to Livermore School District, Livermore, California, to be forfeited to said school district as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract wihin 10 days after the award or to give the bond required by the Board for the faithful performance of the contract. The Board of Trustees reserves the right to reject any and all bids. Bids are to be submitted on the forms accompanying the plans and specifications hereinbefore mentioned.

Dated: Livermore, California, March 1, 1922.

RUBE HUNTER,
Clerk of the Board of Trustees of Livermore School District of Alameda County.

The specifications are divided into the following departments:

Dept. 1.—All work except plumbing, electric and heating.
Dept. 2.—Plumbing Work.
Dept. 3.—Electric Work.
Dept. 4.—Heating Work.

Contractors may submit bids on these departments and may also submit bids on any combination of two or more departments.

In applying for plans contractors should state what departments they propose bidding on.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received by the undersigned **until 2 o'clock P. M., March 27, 1922,** for constructing a portion of the State Highway System in Clark County from six miles southwest of Apex Summit to Apex Summit, work consisting of grading, placing gravel surface and construction of culverts.

Plans may be examined and form of proposal, contract and specifications secured at office of the undersigned; may also be examined at the County Clerk's Office or Division Engineer's office in Las Vegas. Cash deposit of $15.00 with undersigned required for copy of plans, which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department, and must be accompanied by a certified check in the amount of 5 per cent of the bid.

Each bidder must accompany his bid with a certificate from a surety company, duly authorized to do business in this State, stating that such surety company will provide such bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and specifications.

Right is reserved to reject any or all bids.

GEORGE W. BORDEN,
State Highway Engineer, Carson City Nevada.

BIDS WANTED FOR 19 HOSPITAL BUILDINGS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., March 1, 1922—SEALED PROPOSALS will be opened in the office of J. W. Roberts, Supervising Superintendent, Room 403, Post Office, San Francisco, Calif., at 12 M., April 10, 1922, or in this office at 3 P. M., April 10, 1922, for the construction (exclusive of mechanical equipment) of nineteen buildings of the U. S. Veterans Hospital at Palo Alto, California. Drawings and specifications may be obtained from the Office of J. W. Roberts, in San Francisco, on or after March 13th, or from this office, on or after March 6, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

(Continued on Page 19)

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

BAKERSFIELD, Kern Co., Cal.—Quinton, Cole & Hill, consulting engineers, Hollingsworth Bldg., Los Angeles, have prepared plans for a levee system to protect the City of Bakersfield from flood waters of Kern river. An election will be called to vote bonds of $150,000 to execute the work.

SAN FRANCISCO.—Renner Foundation Co. at $2456 awarded contract by State Board of Harbor Commissioners to pull and raft piles, etc., from Belt Railroad trestle.

BAKERSFIELD, Kern Co., Cal.—Quinton, Cole & Hill, consulting engineers, Hollingsworth Bldg., Los Angeles, have prepared a report for the Bakersfield Civic Commercial Association, advocating construction of 3 miles of earth levees 6 ft. in height to protect the city against flood damage from the Kern River; the association will urge a bond election to vote $150,000.

SEATTLE, Wash.—Until May 1, 11 A. M., bids will be received by Alaskan Engineering Commission, 422 Bell St. Terminal, Seattle, under Circular No. 544, for furnishing materials and erecting steel bridge at Mile 411 of Government Railroad in Alaska, near town of Nenana, about 411 miles from Seward. Will be single track structure and will consist of 1 main span, 700 ft. long; 1 North approach girder span, 65 ft. long; 1 South approach deck span, 120 ft. long; a viaduct composed of 4 30-ft. towers and tower girder and five 60-ft. girder spans alternating with the tower girders. Total steel in superstructure, 2,883 tons. Plans may be had from Commission on deposit of $100. Specification and further information may be had from San Francisco offices of the Commission, 306 Customhouse.

OCEAN PARK, Cal.—Lycurgus Lindsey has secured a franchise for a pleasure pier at Hollister Ave., Ocean Park. The pier will be 800 ft. long and 536 ft. wide. The franchise provides that the pier must be completed in 6 months.

EL MODENA, Cal.—John T. Carpenter Water Co., El Modena, and Serrano Water Co., Villa Park, contemplate construction of a dam to cost $400,000 in Santiago canyon.

SAN DIEGO, Cal.—San Francisco Bridge Co., Nevada Bank Bldg., San Francisco, has a contract at about $120,000 to construct bulkheads and fill in by dredging a 40-acre tract at National City, adjoining San Diego, for J. E. Blackman & Son, of National City. The owners contemplate building a pier 150x100 ft. with shed and a percooling plant for perishable shipments. A spur track to the pier will be built by San Diego & Arizona Ry. Co. Blackman & Son control about 100 acres with space to build five additional piers, should business justify.

SAN DIEGO, Cal.—Until 11 A. M., Mar. 28, bids will be received by county supervisors for constructing a 110-ft. Pratt combination truss bridge over San Felipe creek crossing, 1¾ miles NE of the E corner of Rancho and San Felipe. County will furnish materials at the site. J. B. McLees, county clerk.

SALINAS, Monterey Co., Cal.—County Surveyor H. F. Cozzens, preparing plans for 70-ft. steel truss bridge over Salinas river at Hilltown. Will have concrete floor.

SEATTLE, Wash.—Until Mar. 20 2 P. M., bids will be received by Alaskan Engineering Commission, Bell Street Terminal, Seattle, for furnishing and delivering 2 second hand steel through bridge trusses, . 150 ft. long; total weight approximately 160 tons.

COACHELLA, Cal.—Until 2 P. M., Mar. 10, bids will be received by Coachella Valley Storm Water District, for constructing uncompleted portion of northeasterly levee involving the moving of about 10,000 cu. yds. of earth. Plans may be seen at the office of the district at Coachella, or at the office of A. L. Sonderegger, consulting engineer, Central Bldg., or at office of Leeds & Barnard, consulting engineers, Central Bldg. Certified check or bond for $500 required.

OROVILLE, Butte Co., Cal.—T. H. Polk, Chico, at $3,376.92, awarded contract by supervisors to construct bridge over Mud Creek on Cohasset and Richardson Springs road. Project involves 108 cu. yds. reinforced concrete; 20 cu. yds. excavation and 65 cu. yds. backfill. Harry H. Hume, county road engineer.

OROVILLE, Butte Co., Cal.—Until April 4, 2 P. M., bids will be received by the Supervisors for constructing a bridge over Kister slough on Oroville and Marysville county bond road Harry H. Hume, County Surveyor.

SAN BERNARDINO, Cal.—H. H. Lienau of Redlands submitted lowest bid at $2640 for constructing a reinforced concrete culvert in B street between Third and Fourth. Other bids were: W. D. Bohan, San Bernardino, $3150; Shepard & Weber of Santa Monica, $4500; J. P. Hunter, Alhambra, $4986; W. M. Ledbetter & Co., Los Angeles, $5175. Bids taken under advisement.

PLACERVILLE, El Dorado Co., Cal.—John H. May, Napa, at $24,490 awarded contract to construct reinforced concrete bridge over south fork of the American river. Eight bids submitted.

GLENDORA, Cal.—Until 7 P. M., Mar. 20, bids will be received by A. E. Inglehardt, secretary of Glendora Independent Water Co., at Glendora, for excavating and building a circular reinforced concrete reservoir, will be 150 ft. diameter and 12 ft. deep with vertical walls 8 to 18 in. thick, reinforced with steel bars, and concrete floor reinforced with Clinton mesh, involving about 2500 cu. yds. excavation and 550 cu. yds. concrete. There will be a wooden roof. Plans and specifications and blank forms may be obtained from the secretary or the engineer. J. B. Lippincott, Central Bldg., Los Angeles. Certified check for 5% required.

Engineers and Contractors
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LIGHTING SYSTEMS

REDLANDS, Cal.—Until 2 P. M., Apr. 5, bids will be received by City Clerk C. P. Hook, for constructing an ornamental lighting system in W. Colton Ave., requiring 41 posts with necessary conduits and appliances; 1911 Act. G. S. Hinckley, city engineer.

MERCED, Merced Co., Cal.—C. E. Osborn, Turlock, at $3,283, awarded contract by supervisors to install 24 electroliers in vicinity of courthouse. Other bidders: Robinson Electric Co., 1162 Broadway, Fresno, $3,618; Turner Co., 272 Natoma St., San Francisco, $5,200. A. E. Cowell, county surveyor.

MACHINERY

LOS ANGELES, Cal.—Until March 15, 4 P. M., bids will be received by Purchasing Department Board of Education, 1437 San Pedro St., for furnishing one ¾-ton motor truck.

LOS ANGELES, Cal.—Bids are being received by Public Commission, 602 Public Service Bldg, until Mar. 31, for furnishing expansion joints for penstock, under specification P-232.

Until Mar. 10, for furnishing three 2-ton trucks.

Until Mar. 24, for furnishing high voltage transformers under specification P-251.

Until Mar. 31, for furnishing shut-off valves, air and drain valves, under specification P-233.

Until Mar. 31, for furnishing sheet steel and rivets under specification P-231.

Until Mar. 7, for furnishing 30 tons of pig lead.

OAKLAND, Cal.—Council has appropriated $1600 to purchase pontoon pipe for Dept. of Pub. Works. Eugene K. Sturgis, city clerk.

CORCORAN, Kings Co., Cal.—American Cast Iron Pipe Co., Balboa Bldg., awarded contract by city trustees for furnishing and delivering pipe for municipal water system on following bid: 450 ft. of 8-in. Class B cast iron B & S water pipe in 16-ft. lengths, $1.28 per lin. ft.; 2100 ft. of same, (6 inch), $.894 per ft.; crosses, tees, ells, each, 5¾ cents per pound; all f. o. b. Corcoran.

Other bidders were: Pacific Pipe & Supply Co.: 450 ft. 8-in. Class B, B & S cast iron water pipe in 12-ft. lengths, $55.20 per ton; same in 16-ft. lengths, $56.20; 2100 ft. same (6 inch), in 16-ft. lengths, $56.20; Class D standin 16-ft. lengths, $56.20; Class D standard fittings, $122.40 per ton. W. D. Horn Co.: 450 ft. 8-in. Class B, B & S pipe in 16-ft. lengths, $1.30 per foot; $585.00; 2100 ft. same in 6-in. size, 91 cent per foot, $1911; 1000 pounds tees, crosses, ells, etc., @ $122.75 per ton; total $2,557.40. U. S. Cast Iron Co.: 450 ft. 8-in. Class B pipe in 12-ft. lengths, weighing about 47.5 pounds, @ $55 per ton; or in 5 meter lengths, $56 ton; 6 and 8-in. standard fittings, $123 ton.

STOCKTON, San Joaquin Co., Cal.—Following bids taken under advisement by city council for furnishing police patrol chassis: Skinner-Hammond-Murry, $1810; R. C. Bridge, $1,154.84; E. E. Tremain, $1,797.75; Pengilly Co., $2,987.50; E. Allen Test, $1,545; Morland Motor Truck, $1,492, and a two-ton truck at $2,756.25.

LOS ANGELES, Cal.—Until 3 P. M., Mar. 28, bids will be received by Board of Public Service, 207 S Broadway, for bare transmission line cables; Specification No. P-247. Jas. P. Vroman, secretary.

LOS ANGELES, Cal.—Until 3 P. M., Mar. 24, bids will be received by Board of Public Service, 207 S Broadway, for oil switches; Specification No. P-252. Jas. P. Vroman, secretary.

SAN JOSE, Santa Clara Co., Cal.—Until Mar. 20, 11 A. M., bids will be received by supervisors for furnishing and delivering Standard Austin-Western Road grader. **See call for bids under official proposal section in this issue.**

QUINCY, Plumas Co., Cal.—Sierra Auto Supply Co., Quincy, at $1,545 awarded contract by supervisors to furnish and deliver one 12-20 track layer tractor.

SAN ANSELMO, Marin Co., Cal.—California Boiler Works, 522 Howard St., at $458, awarded contract by town trustees to furnish and deliver one combination tar and gravel pot for street improvements.

LA VERNE, Cal.—Fairbanks-Morse & Co., awarded contract at $1174.65 for furnishing a booster pump to the city.

CHICO, Butte Co., Cal.—Phil Henderson, Chico, at $8,880, submitted low bid to city trustees for furnishing (GMC) motor sprinkler. Other bidders: O. L. Tetreau (Sterling) $9,585; Cameron & MacDonald (Fageol) $9,-840; Sanford Wixson (White) $9,280, with Studebaker equipment, $9,674; Tiffin Truck Co., $9,600; Republic Truck Co., $9,600. Bids taken under advisement.

LOS ANGELES, Cal.—Until 3 P. M., Mar. 17, bids will be received by Board of Public Service, 207 S Broadway, for cast iron water pipe as follows: in 12 ft. lengths: 2372 pieces 8-in. Class B pipe, 676 tons, 560 pieces 10-in. Class C pipe, 238 tons; 1059 pieces 12-in. Class C pipe, 578 tons; 199 pieces 12-in. Class B pipe, 98 tons; 135 pieces 24-in. Class B and C special, 207.5 tons; delivery to be made at designated points. Specifications 597-A. Jas. P. Vroman, secretary.

ALHAMBRA, Cal.—Until 5 P. M., Mar 20, bids will be received by city commission for 10,880 ft. 4-in. and 500 ft. 6-in Class B cast iron pipe and fittings; alternate bids to be taken on delivery f. o. b. docks, Los Angeles harbor, f. o. b. Alhambra and alongside trench, Alhambra. Certified check or bond for 25% required. Grant M. Lorraine, city engineer.

RAILROADS

LOS ANGELES, Cal.—Union Pacific Railway has purchased a tract of 200 acres at Hobart on the Los Angeles-Long Beach line as a site for a classification terminal and repair shops. The site is 2 miles in length and 15 tracks will be constructed for making up freight trains. The company plans to spend about $6,000,000 for improvements. The shops will probably not be erected for a year.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

ESCONDIDO, Cal.—Wells & Bressler, 3 California Bank Bldg., Santa Ana, awarded contract at $16,577.86 for paving half the width of Grant avenue north of Escondido, involving 1722 yds excavating; 1472 yds embankment; 985 cu. yds concrete paving;866 lbs. reinforcing steel and 8 culverts. The other bids were: W E. Hall, $16,649.20; National Constr. Co. $16,795.20; John Engebretsen, $17,365; Geo R Daley, $17,974.39; Hannah Bros. $18,662.18 Dillon, Patterson & McPeak, $19,582.65.

FRESNO, Fresno Co., Cal. — City Council appoints engineering commission consisting of Geo. L. Hoxie and Andrew M. Jensen, Fresno, to make investigation and submit report on sewage disposal question. These two engineers will select a third member for the commission.

SONORA, Tuolumne Co., Cal.—Supervisors order bids received for constructing section of road above Black Oak Station to Ralph Station on Buckhorn hill; estimated cost, $3500. Robert Thom, county surveyor.

ESCONDIDO, Cal.—Wells & Bressler, Santa Ana, awarded contract at $42,-810.56, for paving 2.5 miles city streets on Grant Ave., involving 3699 cu. yds. excavation, 3180 cu. yds. embankment, 2709 cu. yds. concrete pavement, 9963 lbs reinforced steel, and 15 culverts. Freeman C. Witt, city engineer. The other bids were: Stanley Cobbam, $44,165.13; John Engebretsen, $44,-989.41; W E. Hall, $46,477.65; Hannah Bros., $47,872.42; Geo. R. Daley, $47,-884.65; National Construction Co., $50,-653.48; Dillon, Patterson & McPeak, $52,523.37.

CLOVIS, Fresno Co., Cal.—Engineer A. M. Jensen, Patterson Bldg., Fresno, is preparing plans for paving portions of Pollasky Ave., Woodworth Ave., De Witt Ave., Fifth St., and Tenth St. with 3½-in. asphaltic concrete base and 1½-in. Warrenite surface cement curbs, gutters and syphons and corrugated metal culverts.

SAN FRANCISCO.—Until March 15, 3 P. M., bids will be received by the Board of Public Works for sewering Saturn street, between Ord and Lower Terrace, involving 499 lin. ft. 8-in. and 206 lin. ft. 12-in. vitrified sewer pipe; 21 8-in. and 3 12-in wye branches; 1 lamphole and 5 brick manholes. M. M O'Shaughnessy, City Engineer.

SAN FRANCISCO—Raisch Improvement Co., 46 Kearny St., at $687 has been awarded a contract by the Harbor Commissioners to pave portions of Pier 43 and a space near Howard street, with Topeka pavement. Only other informal bid: Fay Improvement Co., $724.

FRESNO, Fresno Co., Cal.—Frederickson & Shannon, Cory Bldg., Fresno, at $2375 awarded contract by council to improve alley between Forthcamp and Yosemite, Mildeda and Sumner Sts., involving 9,500 sq. ft. grading, 9500 sq ft. 5-in. concrete pavement. Wm. Stranahan, City Engineer.

FRESNO, Fresno Co., Cal.—City Engineer Wm. Stranahan completes specifications to improve alley between L street and Van Ness avenue, and Mono to Ventura streets, involving 7,000 sq. ft. grading and 7,000 sq. ft. 6-in. cement concrete pavement, 17½ feet wide.

Specifications completed to improve alley between M and N. Mono to Ventura streets, involving 7,000 sq. ft grading and 7,000 sq. ft. 6-in. cement concrete pavement. 17½ feet wide.

Specifications completed to improve Clinton avenue, between Wishon and Meroa, involving 22,200 sq. ft. grading; 11,840 sq. ft. 3½-in. asphaltic base with 1½-in. Warrenite top. 420 sq. ft. gutter; 740 lin. ft. curb and 3,700 sq. ft. sidewalks.

Specifications completed to construct 15,380 sq. ft. 4-in. cement concrete sidewalks in E street, between Calaveras and Merced.

PHOENIX, Ariz.—Twohy Bros., Phoenix, were awarded the contract for paving with concrete, the remainder of the highways of the Maricopa County highway system.

SAN FRANCISCO—Frank McHugh, 474 - 17th avenue, at $10,383 awarded contract by Bd of Pub. Works to improve Balboa St. between 23rd and 24th Aves., involving 5215 cu. yds. cut; 480 lin. ft. concrete curbs; 220 lin. ft. 8-in. vitrified side sewers; 5 8-in. wye branches; 2 brick manholes; 2880 sq. ft. artificial stone sidewalks; 3360 sq. ft. vertical fiber brick pavement and 8640 sq ft asphaltic concrete pavement.

John Brady at $875 awarded contract to construct 1450 sq ft. concrete pavement with wheel guards and 210 sq. ft. concrete pavement without wheel guards in Eliza St. from Folsom St., southerly.

Fay Improvement Co., Phelan Co., at $11,969 awarded contract to improve Hanover St. between Guttenberg and Lowell, involving 3973 cu. yds. cut; 160 cu. yds. fill; 1340 lin. ft. concrete curbs; 660 sq. ft. artificial stone sidewalks; 2 brick catchbasins; 45 lin. ft. 10-in. vitrified culvert; 21,579 sq. ft. asphaltic concrete pavement.

P. Sanfillipo, at $636, awarded contract to construct 3800 sq. ft. artificial stone sidewalks in Winfield Ave. between Virginia and Esmeralda.

PRESCOTT, Ariz. — Warren Bros., Phoenix, awarded contract at $198,522, for grading, paving and constructing gutters, curbs, etc., in the business section of Prescott.

PRESCOTT, Ariz. — Phoenix-Tempe Stone Co. awarded contr. at $34,996.98 for paving with concr. in S. Pleasant Avenue.

PALO ALTO, Santa Clara Co., Cal.—E. Balsbaugh, Palo Alto, at $1260, submits only bid to council to improve High St. between Channing and Addison, involving 30,000 sq. ft. 4½-in. hyd. conc. pavement and 3000 sq. ft. grading. Taken under advisement. J. F. Byxbee, Jr., city engineer.

WATSONVILLE, Santa Cruz Co., Cal. —City Engineer H. B. Kitchen, completes specifications to improve:

Locust St., involving 1600 lin. ft. concrete curbs; 3200 sq. ft. concrete gutters; 27,200 sq. ft. grading; 24,000 sq. ft. macadam pavement; 24,000 sq. ft. oiling; estimated cost, $6480.

Palm Ave., 10,584 sq. ft. grading; 10,584 sq. ft. macadamizing; 10,584 sq. ft. oiling; estimated cost, $2011.

Fifth St., 21,168 sq. ft. grading; 12,-168 sq. ft. macadamizing; 21,168 sq. ft. oiling; estimated cost, $4022.

Rodrigues St., 27,140 sq. ft. grading; 2360 sq. ft. concrete gutters; 24,780 sq. ft. macadamizing; 24,780 sq. ft. oiling; estmiated cost, $5386.

Ford St., 3147 lin. ft. concrete curb; 10,244 sq. ft. concrete gutters; 87,080 sq. ft. grading; 77,030 sq. ft. macadamizing; 27,080 sq. ft. oiling; estimated cost, $19,706

Portions of Lincoln, Carr, Alexander, Peck, Maple, Union, Van Ness, Rodrigues and Wall Sts., involving 262,-205 sq. ft. remacadamizing; 262,205 sq. ft. oiling and 2979 tons crushed rock; estimated cost, $24,699.

SAN FRANCISCO—Until March 15, 3 P. M., bids will be received by Board of Public Works to improve:

Andover St. between Eugenia and Powhattan, involving 69 lin. ft. concrete curb; 66 sq. ft. artificial stone sidewalks; 319 sq. ft. concrete and 1387 sq. ft. asphaltic concrete pavement; 24 lin. ft. 10-in. culvert and 1 brick catchbasin.

Folsom St. between Tompkins and Ogden Aves., involving 675 cu. yds. cut; 520 cu. yds. fill; 920 lin. ft. concrete curb; 4,000 sq. ft. artificial stone sidewalks; 6 brick catchbasins; 150 lin. ft. 10-in. culvert; 3,920 sq. ft. asphaltic concrete and 11,800 sq. ft. concrete pavement.

Lisbon St. between Russia and France, involving 125 lin. ft. concrete curb; 1,625 sq. ft. asphaltic and 875 sq. ft. brick pavement.

Hearst Ave. between Edna and Foerster, involving 4,130 cu. yds. cut; 704 cu. yds. fill; 1,200 lin. ft. concrete curbs; 14,400 sq. ft. artificial stone sidewalks; 18,000 sq. ft. asphaltic concrete pavement. M. M. O'Shaughnessy, city engineer.

PRESCOTT, Ariz. — Warren Bros., Phoenix, awarded a contract at $198,-522, for improving streets in the business section of Prescott.

Phoenix-Tempe Stone Co. awarded contract at $34,996.98, for concrete paving on S Pleasant Ave.

SANTA MONICA, Cal.—Kneen Contracting Co., 216 Dudley Bldg., Santa Monica, awarded contract at $11,607.15 for improving 5th St. between Strand and Bay Sts.

SANTA ROSA, Sonoma Co., Cal.—The Supervisors of Sonoma County received the following bids on March 6th, for constructing oil macadam Sebastopol-Cotati highway, Section B, 3.19 miles; estimated cost, $20,000, involving 6,000 cu. yds. excavation; 3,700 yds. crushed rock base and 33,600 sq. yds. asphaltic surfacing. R. Press Smith, County surveyor. All bids were rejected and work ordered done by day's labor:

J. J. McHugh, San Francisco, (1) excavating, 70c cu. yd.; (2) crushed rock base, $4 sq. yd.; (3) asphaltic surface, 27c sq. yd.; (4) concrete head walls and curbs, $25 cu. yd.; (5) 12-in. pipe, $1.00; (5-a) 15-in. pipe, $1.00; (5-b) 18-in. pipe, $1.00; total, $29,052.

Woods & Silva, Petaluma, (1) $1.00; (2) $3.75; (3) 27c; (4) $25; (5) 50c; (5-a) 50c; (5-b) 50c.

Cowden & Broderick, San Francisco, (1) 90c; (2) $6.50; (3) 32c; (4) $27; (5) $1.00; (5-a) $1.20; (5-b) $1.40.

SAN DIEGO, Cal.—Resolutions of Intention for street work have been adopted by city council as follows: I St. between 30th and 360 ft. west, to be graded; Third St. between Walnut and University Aves. to be paved with asphaltic concrete wearing surface on asphaltic concrete base; Seventh St. between A and Ash Sts., and A St. between Fifth and Seventh Sts., to be paved with asphaltic concrete wearing surface on cement concrete base and constructing curb; Eighth St. between B St. and Balboa Park, and A St. between Seventh and Eighth to be paved with asphaltic concrete wearing surface on cement concrete base and constructing house connection sewers; Homer St. between Chatsworth and Rosecrans to be paved with asphaltic concrete wearing surface on asphaltic concrete base; Upas St. between Ray and 23rd Sts. to be graded and paved with asphaltic concrete surface on asphaltic concrete base, curb and sidewalk; all work under Vrooman Act except Third St. which is 1911 Act.

LOS ANGELES, Cal.—J. G. Beckjord, 718 San Fernando Bldg., awarded contract at $22,800, for improving streets in Road Improvement District No. 195.

VENICE, Cal.—City officials are considering three plans for securing a municipal water system for Venice.

REDONDO BEACH, Cal.—Resolution of Intention adopted to improve Strand, Ocean Beach Alley, and 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th and 10th Sts.; work to involve 45,417 sq. ft. 6-in. concrete paving with oil protective coat; 42,458 sq. ft. 5-in. concrete paving with oil protective coat; 3591 lin. ft. class A curb; 14,155 sq. ft. 4-in. sidewalk; 33,680 sq. ft. 4-in. reinforced concrete walk with combination curb on each side of walk 1684 ft. long; 25,400 sq. ft. 2½-in. reinforced concrete walk on wooden forms supported on 3 pile bents 20-ft. centers; 4 concrete steps; 2954 ft. 1½-in. conduit and 29 lighting standers; estimated cost, $89,375. Victor H. Staheli, city engineer.

HERMOSA BEACH, Cal.—Resolution of intention adopted by Trustees to improve Morningside Drive, 30th Pl., 31st St., 31st Pl., and 32nd Pl.; work involving 2310 lin. ft. 2x12-in. redwood headers, 33,107 sq. ft. 5-in. concrete paving with oil protective coat, 19,290 sq. ft. 4-in. cement sidewalk, 160 ft. curb, 12 lighting standards, 1278 lin. ft. 1½-in. conduit. Victor H. Staheli, city engineer.

SEAL BEACH, Cal.—Fairchild-Gilmore-Wilton Co., only bidder for paving with bituminous base and asphaltic concrete surface on five streets at Seal Beach and bid was taken under advisement. Olmsted & Gillelen, Hollingsworth Bldg., engineers. The bids were:

11th St.—37,200 sq. ft. grading and paving, $10,469.10.

10th St.—41,000 sq. ft. grading and paving, $11,556.50.

Dolphin St.—13,647 sq. ft. grading and paving, $3,889.40.

14th St.—25,505 sq. ft. grading and paving, $7,335.52.

13th St.—29,156 sq. ft. grading and paving, $8,289.46.

12th St.—33,236 sq. ft. grading and paving, $9,472.26.

SANTA ANA, Cal.—Until 7.30 P. M., Mar. 20, bids will be received by City Clerk, for improving Cypress Ave. from Chestnut St. to McFadden St., involving 158,400 sq. ft. grading, 158,400 sq. ft. paving with 3½-in. asphaltic concrete base and 1½-in. wearing surface, 300 lin. ft. cement curb, 528 lin. ft. house connection sewers. Certified check or bond for 10% required. E. L. Vegley, city clerk.

SANTA ROSA, Sonoma Co., Cal.—The Sonoma County Supervisors received bids on March 6th, for constructing 1350 lin. ft. guard rail on Watertrough Hill, Sebastopol-Freestone highway; estimated cost, $800; as follows:

H. C. Ingle, Santa Rosa, 54½c lin. ft.
W. H. Carr, Sebastopol, 64c lin. ft.

SAN JOSE, Santa Clara Co., Cal.—Supervisors reject bids to improve Lincoln Ave., in Road District 4 and work ordered done by day labor. Bids follow: John Doyle, $22,372; A. J. Raisch, $20 700; Hugh Crummey, $22,700; Frederickson & Shannon, $20,272. Estimate of County Surveyor Irving Ryder $20,020.

SAN JOSE, Santa Clara Co., Cal.—Until April 3, 11 A. M., bids will be received by supervisors for constructing reinforced concrete retaining wall on Penetencia creek on Berryessa road Supervisor District 3. Irving Ryder, county surveyor.

SACRAMENTO, Cal.—Chas. Deterding has been appointed county highway engineer by supervisors.

SONORA, Tuolumne Co., Cal.—City Engineer Chas. W. Terry completes specifications to improve various streets involving 43,979 sq. ft. cement concrete pavement, 4 and 5-in. thick; 23,233 sq. ft. asphaltic surfacing 1 and 1½-in. thick on 4-in. rock macadam base, concrete curbs and gutters. Estimated cost, $69,522.

SACRAMENTO, Cal. — McGillivray Construction Co., Capitol Nat'l. Bank Bldg., awarded contract to improve Santa Inez Way between J and H Sts., involving 17,922 sq. ft. asphaltic concrete pavement, 3 concrete manholes, etc.

SAN JOSE, Santa Clara Co., Cal.—Council declares intention to improve 15th St. between Margaret and William by grading, paving with 3-in. asphaltic concrete base with 1½-in. Warrenite-Bitulithic surface, concrete curbs and gutters.

Intention declared to improve Vine St. between San Carlos and Balbach by regrading, paving with 3-in. asphaltic concrete base with 1½-in. asphaltic concrete surface, concrete curbs and gutters, 2 brick catchbasins. Wm. Popp, city engineer.

OAKLAND, Cal.—W. W. Harmon has been appointed city engineer.

SACRAMENTO, Cal.—City Engineer Albert Givan completes specifications to improve alley between J and K, 16th and 17th Sts., involving 2 concrete catchbasins; 1 concrete manhole; 12 lin. ft. vitrified sewer; 80 lin. ft. retaining wall; 159 cu. yds. excavation; 6,400 sq. ft. hydraulic concrete pavement.

CALIFORNIA—Until April 3, 2 P. M., bids will received by State Highway Commission for paving with Portland cement concrete or asphaltic concrete 12.3 miles of highway in Riverside County between Banning and Whitewater. **See call for bids under official proposal section in this issue.**

FAIRFIELD, Solano Co., Cal.—United Construction Co., Vallejo, at $127,356, submitted low bid to supervisors for grading and paving with asphaltic concrete 6½ miles of road between Suisun and Cordelia, 5-in. thick, 15 ft. wide; 10,000 cu. yds. grading and 600 lin. ft. of culverts with concrete end walls. Bids taken under advisement. Other bidders were: Grant-Smith, $167,325; Federal Construction Co., $145,407; Pacific States Construction Co., $144,117; E. H. and A. W. Gorrill, $149,674; Clark & Henery, $167,410; A. Teichert, $155,441; McGillivray Construction Co., $129,718.

United Construction Co. awarded contract to pave 1¼ mile of portions of Napa road and Fleming Ave., near City of Vallejo. Other bidders: A. C. Rogers, $30,740; R. E. Errington, $32,660.89; W. J. Taylor, $30,476; E. E. O'Brien, $34,514. F. A. Steiger, county surveyor.

EL CERRITO, Contra Costa Co., Cal.—City Engineer W. S. Farley has completed specifications to improve portions of Everett, Norval, Richmond, Elm and Eureka streets with water bound macadam pavement, concrete curbs and gutters. Work under Improvement Act 1911. Estimated cost, $77,245.

OAKLAND, Cal.—Until March 16, 12 M., bids will be received by Council to construct sewer in west side of Broadway, involving 271 lin. ft. 10-in. 574 lin. ft. 12-in., 838 lin. ft. 14-in., 280 lin. ft. 16-in. and 887 lin. ft. 18-in. vitrified pipe sewer; 136 lin. ft. 10-in. vitrified pipe conduit; 1 drop connection; 50 wye branches; 10 manholes; 9 catchbasins; deepen 3 existing manholes; removal of 1402 lin. ft. existing sewers; remove 4 existing manholes and 9 existing catchbasins. Specifications on file in office of City Clerk Eugene K. Sturgis.

YUBA CITY, Sutter Co., Cal.—Pacific Portland Cement Co., Pacific Bldg. San Francisco, awarded contract by supervisors to furnish approximately 8,000 bbls. of cement for Knights-Landing-Kirkville road; (a) f. o. b. cars Knights Landing, $3.32; (b) f. o. b. cars Maddock, $3.51; (c) credit for empty sacks returned, 10c; (d) discount paymest in 10 days, 5c. Similar bids submitted by Santa Cruz Portland and Henry Cowell Lime and Cement Co, both of San Francisco.

ORLAND, Glenn Co., Cal.—Petitions seeking improvement of 31 blocks of streets, rejected by city trustees on the grounds that the improvement would cost the city $35,000 to pave street intersections—too heavy a burden on taxpayers at this time.

YUBA CITY, Sutter Co., Cal.—Until Apr. 4, 11 A. M., bids will be received by Supervisors for constructing O'Banion Corners Lateral of highway system to be paved with crushed rock, surface 15 ft. wide, 4 in. thick; approximately 2 miles, involving 3500 cu. yds. excavation and 3000 tons crushed rock surface; county to furnish crushed rock f. o. b. cars, Oswald to Tudor, S. P. R. R. Estimated cost, $11,600. O. W. Lanzendorf, county road engineer.

CARSON CITY, Nevada—Grant Smith Co., 112 Market St., San Francisco, and Railway Exchange Bldg., Portland, Ore., at $71,705 awarded contract by State Highway Commission to construct Reno-Purdy highway unit. Other bidders: J. H. Causten, Lovelock, Nev., $98,553; Redmond-Page Co., San Francisco, $78,530; J. J. Coan, Salt Lake City, $67,737; Nevada Contracting Co., Fallon, Nev., $113,191; Pacific States Constr. Co., San Francisco, $93,788. Estimate of State Engineer, $111,527

SAN JOSE, Santa Clara Co., Cal.—Supervisors will spend $300,000 for road improvements this year. Portion of program includes: 3 miles on Grand road; 3 miles on Alviso-Santa Clara road; 1 mile Lincoln Ave.; 7 miles Uvas road; remainder of Gilroy Hot Springs road. Irving Ryder, county surveyor.

WOODLAND, Yolo Co., Cal.—City Trustees order plans prepared for paving Main stret east from present pavement to city limits.

WATSONVILLE, Santa Cruz Co., Cal.—Council petition to improve California St. H. B. Kitchen, city engineer.

PETALUMA, Sonoma Co., Cal.—Council declares intention to improve Vallejo St. between East D and Jefferson; grading, concrete curbs and gutters, macadamized with rock and oil.

Intention declared to make similar improvements in Edith St. between East D and Jefferson. N. S. Frost, city engineer.

SAN FRANCISCO—Healy-Tibbits Construction Co., 9 Main St., at $5,882, awarded contract by Board of Public Works, to construct Third Street sewer outlets. 186 lin. ft. 2-ft. x 6-in. x 3 ft. 9-in. reinforced concrete sewer; 186 lin. ft. 8-in. underdrain; 3 manholes and 1900 lin. ft. piles.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy, completes specification to improve 37th Ave. between Geary and Anza; estimated cost, $11,700, involving 1200 lin. ft. concrete curb; 8400 sq. ft. vertical fibre brick pavement; 15,600 sq. ft. asphaltic concrete pavement and 8325 sq. ft. artificial stone sidewalks.

STOCKTON, San Joaquin Co., Cal.—W. J. Tobin, 527 Santa Ray Ave., Oakland, at $3,214 submits low bid to council to construct sanitary sewer in Yosemite sub-division. Other bidders: O. W. Reed, $3,310; Chambers and DeGolyer, $3,991.

Heafey and McNear, 2030 High St., Oakland, submits low bid for constructing Fair Oaks North storm sewer. Other bidders: Fredericksen and Shannon, Fresno, $12,675; E. A. Burns, Stockton, $12,532; R. H. Downer, Richmond, $15,053; Harron and Hayes, Taft, $16,208; W. S. Edwards, Oakland, $15,361; Chambers and DeGolyer, Oakland, $13,346; W. J. Schmidt, Berkeley, $17,829.

E. A. Burns, Stockton, $16,229, low bidder to construct vitrified sewers in Channel, Main, Oak and other streets. Other bidders: W. J. Tobin, $16,291; Chambers and DeGolyer, $17,235; E. E. Grow, $18,430; Fredericksos & Shannon, $18,148; R. H. Downer, $21,342; Harron & Hayes, $27,738.

R. H. Downer, 2234 MacDonald Ave., Richmond, at $4,052, low bidder to construct vitrified sanitary sewers in City Park Terrace. Other bidders: E. A. Burns, $4,318; Chambers & DeGolyer, $4,481; W. J. Tobin, $4,476; O. W. Reed, $4,871; Fredericksen & Shannon, $4,898; L. L. Page, $5,547.

YUBA CITY, Sutter Co., Cal.—T. H. Polk, Chico, at $8,324, awarded contract by supervisors to construct Meridian-Kirksville road, First St., town of Meridian, to be paved with reinforced concrete 15 ft. wide, 5 in. thick, 0.38 mile in length. Other bidders: H. Miles, 1205 P St., Sacramento, $10,682; M. C. Hilliard, 1804 45th St., Sacramento, $8,347; Blumenkranz and Vernon, 406 Farmers and Merchants Bank Bldg., Stockton, $10,801; J. L. Webster, Chico, $9,326.

Guerin Bros., 425 4th St., San Francisco, at $25,546, awarded contract to construct Long Bridge-Tarke road, constructed of Butte House Rock 15 ft. wide, 6 in. thick, 2.55 miles in length. Other bidders: Galbraith & Janes, Sebastopol, $32,787; Guerin Bros., $25,546; Blumenkranz & Vernon, $27,500; C. Miles, $29,595; D. J. Murphy, Marysville, $27,560; J. J. McHugh, San Francisco, $25,950.

SAN LUIS OBISPO, Cal.—Supervisors reject bids to construct portions of San Luis Obispo-Cambria road. Bids were: Harlan and Cullers, (a) 670 cu. yds. grading, $1.48; (b) 1707 lin. ft. shaping and rolling, 29c ft.; (c) 705 cu. yds. class A concrete pavement, $8.45 cu. yd.. Ira Hodson, San Luis Obispo, (a) $1.00; (b) 30c; (c) $12.00. New bids will probably be asked in April. Warren Burch, Lowe Bldg., county surveyor.

SAN LUIS OBISPO, Cal.—Chris. Twisselman, San Miguel, at 65c cu. yd., awarded contract by supervisors to construct Templeton-Willow creek road, involving 23,400 cu. yds. excavation. Other bidders: Claudius and Hauser, San Francisco, 95c; W. A. Dontanville, Hollister, 90c; J. L. Conner, Los Angeles, 80c.

J. L. Conner, Los Angeles, awarded contract to construct Guadalupe-Nipoma road, (a) 7,200 cu. yds. grading 60c; (b) 21,400 lin. ft. shaping and rolling, 10c; (c) 6,475 cu. yds. class A concrete, $7.00; (d) 21,200 lbs. reinforced steel, 1c. Other bidders: Basich Bros., San Luis Obispo, (a) 70c; (b) 15c; (c) $9.02; (d) $.005. Ralph McLeran & Co., San Francisco, (a) $1.00; (b) 15c; (c) $10.55; (d) 2c. Pacific Construction Co., San Francisco, (a) 80c; (b) 20c; (c) $8.60; (d) 1c. G. W. Cushing, Richmond, (a) 65c; (b) 16c; (c) $9.93; (d) 1c. Ira Hodson, San Luis Obispo, (a) 80c; (b) 20c; (c) $9.60; (d) 1c. W. A. Dontanville, Hollister, (a) 65c; (b) 12½c; (c) $10.75; (d) 3c. Warren Burch, Lowe Bldg., county surveyor.

OAKLAND, Cal.—Until Mar. 21, 2 P. M., bids will be received by Henry F. Vogt, secretary Board of Park Directors, for furnishing and delivering approximately 125 cu. yds. crushed rock asd 25 cu. yds. screenings. Specification may be had from secretary, Room 407, city hall.

BIGGS Butte Co., Cal.—Town Trustees order plans prepared to pave B street.

MONTEREY, Monterey Co., Cal.—Sidney Ruthven, 122 Pearl St., Monterey, at $3,615, awarded contract to improve Carmelita Ave. between Munras and Cass St., paving with decomposed granite gravel, concrete curbs, gutters and sidewalks.

SALINAS, Monterey Co., Cal.—No bids received by supervisors for improvements on Tassajara road in District No. 5. Work postponed indefinitely. Howard Cozzens, county surveyor.

EL MONTE, Cal.—W. E. Hall, 286 Bandini Ave., Riverside, awarded contract at $57,259.43 for paving with concrete 11 streets and constructing curb, walks, gatter and corrugated metal pipe culverts. H. M. Hannawalt of La Verne, submitted the next low bid at $59,266.22. Bids were also submitted by Wells & Bressler of Santa Ana, and H. E. Cox of Pasadena. O. A. Gierlich, National Bank Bldg., Monrovia, engineer.

MONTEREY, Monterey Co., Cal.—Bid of Sidney Ruthven, 122 Pearl St., Monterey, at $10,499, to improve El Dorado St. between Munras and Pacific by paving with decomposed granite gravel, concrete curbs, gutters and sidewalks, catchbasins and 12-in. connections for existing storm sewer, rejected by council and new bids will be asked in about 60 days. H. D. Severance, city engineer.

SALINAS, Monterey Co., Cal.—Council declares intention to improve Monterey street, between San Luis and John; grading and paving with 5-in. concrete.

Intention declared to make similar improvements in Windham street, between South Main and California. Improvement Act 1911 and Bond Act 1915. Donald Davies, City Engineer.

BAKERSFIELD, Kern Co., Cal.—Federal Construction Co., San Francisco, awarded contract at $25,861.91, to improve Sumner St. from Beale Ave. to Haley St., work involving 118,824 sq. ft. grading, 82,328 sq. ft. 4-in. asphaltic concrete paving with 1½-in. Warrenite surface, 140 lin. ft. concrete culverts; 421.84; engineer's estimate, $24,800. W. D. Clarke, city engineer.

CARSON CITY, Nevada—Until Mar. 27, 2 P. M., bids will be received by State Highway Commission for constructing portion of state highway in Clark county from 6 miles southwest of Apex Summit, consisting of grading, placing gravel surface and constructing culverts. Geo. W. Borden, state highway engineer. **See call for bids under official proposal section in this issue.**

TORRANCE, Cal.—City Trustees declare intention to resurface with asphaltic concrete and to pave with Willite, various city streets, about 2 miles in length, have been adopted by city trustees. Half the cost of the work will be paid for by the city by issuance of bonds, about $54,000, which will be submitted at the municipal election April 10th. H. R. Postle, city engineer.

SANTA MONICA, Cal.—Until 10 A. M., Mar. 16, bids will be received by city council for constructing vitrified pipe sewer in Palisades Beach Road; 1911 Adt. John A. Morton, city engineer. The sewer will be 6290 ft. long, requiring about 3000 ft. 10-in. pipe and 3290 ft. 12-in. pipe.

OROVILLE, Butte, Co., Cal.—Clark and Henery Construction Co., 38 South Sutter St., Stockton, at $116,502 awarded contract by supervisors to grade and lay 690,000 sq. ft. asph conc. pavement in 2 courses on Oroville - Marysville road Sec. D, Rt. 26, 8.81 miles. Other bidders: Chico Contracting Co., $123,912; C. H. and A. W. Gorrill, Oakland, $148,980.

Clark and Henery at $40,724, awarded contract to grade and lay 243,000 sq. ft. asph. conc. pavement in 2 courses on Oroville-Gridley road, Sec. B, Rt. 2, 3.07 miles. Chico Contracting Co., bid $46,374.

Chico Contracting Co., Chico, at $41,679, awarded contract to grade and lay 245,000 sq. ft. asphaltic concrete pavement in 2 courses on Chico-Butte City road, Sec. C, Route 11, 3.1 miles. J. A. Costello, Jr., San Francisco, bid $44,047; C. H. and A. W. Gorrill, Oakland, $55,157.

Chico Contracting Co., at $30,858, awarded contract to grade and lay 182,000 sq. ft. asphaltic concrete pavements in 2 courses on Chico-Butte City road, Sec. B, Route 11, 2.3 miles. Other bidders: J. A. Costello, Jr., $32,656; C. H. and A. W. Gorrill, $40,543.

HIGHWAY PLANS ORDERED

SAN RAFAEL, Marin Co., Cal.—County Surveyor Geo. M. Dodge, instructed to prepare estimates of cost to construct permanent highways in Road District No 1: from San Rafael on Point Pedro road, 7 miles; extension of Culloden Ave., from West line of San Rafael to Tamalpais Cemetery, in District No. 2: from West line of San Anselmo to White's Hill; from Fairfax to the foot of the grade on the Fairfax and Bolinas road, 3 miles; from city limits of San Rafael over Wolfe Grade to Kentfield; on Green Brae road, a distance of 1 mile; from East San Rafael to the causeway at Point San Quentin, 3 miles.

SAN JOSE, Santa Clara Co., Cal.—Until March 27, 5 P. M., bids will be received by council to improve 9th St. between St. John and Julian; regrading, 3-in. asphaltic concrete base with 1½-in. asphaltic concrete surface. Wm. Popp, city engineer.

BAKERSFIELD, Kern Co., Cal.—City Engineer W. D. Clarke, completes specifications to construct curbs and sidewalks in Street District No. 139, portions of M, L, K, 5th, 6th, 7th, 9th, 10th, 11th and 14th Sts., involving 1,338 sq. ft. cement concrete sidewalks and 1604 lin. ft. curbs.

Specifications completed to construct cement concrete sidewalks and curbs in portions of Sumner, Humboldt, Grove, Eureka, King Sts., etc., involving 5,831 sq. ft. sidewalks and 689 lin. ft. curbs.

SAN JOSE, Santa Clara Co., Cal.—A. I. Raisch, 46 Kearny St., San Francisco, awarded contract to improve George St. between 1st and San Pedro; 3-in. asphaltic concrete pavement, 24c sq. ft.; concrete curb, 70c lin. ft.; concrete gutter, 30c sq. ft. Wm. Popp, city engineer.

BUSINESS OPPORTUNITIES

Robt. Grimmett, Kerby, Ore., is desirous of communicating with parties in the market for Oregon oak and white oak.

H. Schaefer, care Cincinnati Artistic Wrought Iron Works, 43 Eastern Ave., Cincinnati, Ohio, desires to communicate with selling agents in this vicinity wishing to handle and sell a line of lamps and candlesticks on a commission basis.

OFFICIAL PROPOSALS

(Continued from Page 14)

NOTICE TO DEALERS AUSTIN-WESTERN ROAD GRADER

NOTICE IS HEREBY GIVEN That sealed proposal or bids will be received by the Board of Supervisors of Santa Clara County, California, in their rooms in the Court House, in the City of San Jose, **up to 11 o'clock A. M. of March 20, 1922, for** a Standard Austin-Western Reversible Road Grader having a 7-foot blade, a wheel base of 10 ft. 2 inches and a length over all of 13 ft. 4 inches. Size of wheels, front 32 in. by 4-in., rear 44 in. by 4 in., with concave rims.

Each bid must be accompanied by a certified check in the sum of 10 per cent of the amount bid, drawn upon some reliable bank in favor of Henry A. Pfister, County Clerk.

The Board reserves the right to reject any and all bids.

All bids must be addressed to John Roll, Chairman of the Board of Supervisors of Santa Clara County, and indorsed "Bids for Grader."

By order of the Board of Supervisors of Santa Clara County.

Attest: HENRY A. PFISTER, Clerk.
By Eugene M. Don, Deputy Clerk.

BIDS WANTED FOR TWO-STORY REINFORCED CONCRETE SCHOOL (Estimated Cost, $80,000)

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN That the Board of Trustees of the Oakdale Union High School District, Stanislaus County, California, hereby calls for sealed proposals to be delivered to the Clerk of the Board of Oakdale, California, **until the third day of April, 1922, at 7.30 P. M., of said day,** for the erection and construction of a High School building to be erected in the above Union High School District at Oakdale; all in accordance with plans and specifications made for same by W. H. Weeks, the authorized Architect, employed by the Board.

Bids are to be received on the General Contract, and the Alternate proposals, with separate bids on the Heating and Ventilating system.

Plans and specifications may be seen at the office of the Clerk of the Board in Oakdale between the hours of 9 A. M. and 3.00 P. M.; any day except Saturday, Sunday or Holidays; or at the office of the Architect, W. H. Weeks, 369 Pine Street, San Francisco, during business hours.

On a deposit of Twenty Dollars ($20.00) a complete set of plans and specifications for any portion of the work may be had by any prospective bidder, to be retained until bids are opened, if desired. If not returned within said period, or if mutilated, the said deposit may be retained by said High School District as agreed and liquidated damages for said mutilation or detention.

Bids must be made on proposal blanks obtained at the office of the Architect, and signed by the Bidder, accompanied by check for at least Ten Per Cent (10 per cent) of the amount bid, certified to by some responsible bank or banker, and made payable to Board of Trustees of the Oakdale Union High School District, to be retained by said High School District as agreed and liquidated damages, should party or parties to whom Contract shall be awarded, fail to enter Contract after the award or to give bonds for the faithful performance of the Contract or any bonds required by law.

Bids will be opened by the Board of Trustees of the Oakdale Union High School District on the third day of April, 1922, at the hour of 7.30 P. M., at the office of the Clerk of the Board, in Oakdale, California.

The Board reserves the right to reject any or all bids, or any or all items of such bids.

Dated at Oakdale, California, March 8th, 1922.

E. D. HERON,
Clerk of the Board of Oakdale Union High School District.

BIDS WANTED FOR HIGH SCHOOL

(Two-Story Reinforced Concrete, 18-room Structure. Estimated Cost, $140,000)

NOTICE TO CONTRACTORS

Pursuant to an order made this 20th day of February, 1922, Notice is hereby given, by the Board of Trustees of the Grass Valley High School District, County of Nevada, State of California, that bids will be received by said Board, for the erection of certain work, as specified below for High School Buildings at Grass Valley, County of Nevada, State of California.

Plans and Specifications may be obtained from William Mooser and Horace G. Simpson, Associated Architects, Nevada Bank Building, San Francisco, California.

A deposit of Twenty Dollars ,$20.00) will be required for each set of plans and specifications.

Sealed bids will be received for both buildings combined on the General work, and on other branches segregated and alternates, as follows:

1. General contract, excepting Plumbing, Heating and Electrical Works.
2. Plumbing, Sewering and Gasfitting.
3. Heating and Ventilating.
4. Electrical Works.
5. Combination of bids Nos. 2 or 3 or 4.
6. Separate bids for—(1) General Work Gymnasium; (2) Plumbing, Sewering and Gasfitting; (3) Electrical Work.

All bids will be opened by the said Board of Trustees on the **20th day of March, 1922, at 8 o'clock P. M.,** at the Public Library Building, at Grass Valley.

All bids must be submitted on forms prepared by, and which will be furnished on request by, the Architects.

All bids must be sent or handed to the Clerk of said Board of Trustees on of before said hour and day and enclosed in sealed envelopes and marked on outside, "Bids for ——— work for proposed High School Buildings at Grass Valley, California."

All bids must be accompanied by cash, a bidder's bond, certified check, or a certificate of deposit, equal to ten per cent (10%) of the amount of bid, and made payable to the President of the High School Board of Trustees, and to be returned to the party or parties whose bid or bids are not accepted, and to the party whose bid is accepted, upon his entering into a contract with the said Board as representing the High School District, and giving such bonds as may be required by law and the said Board of Trustees.

The Board of Trustees reserves the right to reject any and all bids, or any or all items of such bids, and to waive any informality in any bid received.

A. B. CHAMPION,
Clerk of the Board of Trustees of the Grass Valley High School District, County of Nevada, State of California.

BIDS WANTED FOR U. C. BUILDING

PROPOSAL FOR BIDS

SEALED BIDS will be received at the office of the Comptroller, University of California, Berkeley, California, **at or before 9 A. M., Wednesday, March 22, 1922,** for general contract including all work for the construction of Le Conte Hall on the grounds of the University of California, at Berkeley.

Drawing and specifications may be obtained at the office of John Galen Howard, Architect, 500 First National Bank Building, San Francisco, on deposit of $100.00 for each set of drawings and specifications taken out. (Checks given as deposits are to be in favor of the undersigned). Deposits will be refunded on submission of a regular bid for the work and on return of said drawings and specifications in good condition. No bids will be considered unless accompanied by a certified check or bond in favor of the undersigned, equal to 10% of the bid, to secure execution of the contract by the successful bidder.

The right is reserved to reject any or all bids.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA.

BIDS WANTED FOR PUMPING PLANT

SEALED BIDS will be received by the City Council of the City of Fallon, Nevada, at the office of the City Clerk, **until 7.00 o'clock P. M., Tuesday, March 28, 1922,** for the furnishing of all material and equipment and the construction of an additional pumping plant for the municipal water system. Items included will consist of approximately one mile electric transmission line, one mile wood pipe and all necessary pumps, motors, automatic controls, air pressure tank, building, foundations, suction lines, valves, pipe, etc., complete and in place. Plans and specifications may be secured from the City Engineer of the City of Fallon for $5.00, or may be inspected at his office by prospective bidders without charge.

Dated at Fallon, Nevada, February 13, 1922.

GRACE WILDES,
City Clerk.

NOTICE CALLING FOR SEALED PROPOSALS

(Santa Cruz County Highways)

NOTICE IS HEREBY GIVEN That sealed proposals will be received by the Board of Supervisors of the County of Santa Cruz, State of California, at the office of the County Clerk of said County, in the courthouse in the City of Santa Cruz, California **up to the hour of two o'clock P. M. on March 16, 1922,** for improving 3.549 miles of the county highway between Santa Cruz and Boulder Creek in said County of Santa Cruz (Division III, Section III, Layout X1).

Sealed proposals will also be received by said Board of Supervisors at said time and place for improving 3.929 miles of the county highway beginning at a point about 5.36 miles Northeasterly from the City of Watsonville and extending in a Northeasterly direction to Station 490 - 50 near the railroad crossing beyond Chittenden Station, (Division I, Section III, Layout X).

The above mentioned improvement to be made in accordance with the profiles, cross-sections, plans and specifications filed with said Board of Supervisors February 28, 1922, to which reference is made for greater particularity.

Separate bids are called for each of the two sections above referred to and bids for each are called for in the alternatives as contemplated by said specifications, this Board reserving the right, upon receipt of such bids, to determine in each instance what type of improvement shall be constructed.

The Board of Supervisors also reserves the right to reject any or all proposals.

Dated, Santa Cruz, California, March 1, 1922.

H. E. MILLER,
Clerk of said Board.
By H. G. Poole, Deputy Clerk.

GASOLINE FROM ASPHALT

A process for extracting gasoline from asphalt, tar and other similar materials has been perfected by C. P. Bowie and M. J. Gavin, chemical experts associated with the San Francisco office of the United States bureau of mines, according to announcement by Bowie at his home, 2120 Los Angeles avenue, Berkeley.

The process was developed in experiments at the bureau laboratory, Bowie says. While its operation has been successfully demonstrated, it has not yet been brought to the point where it is commercially practicable.

With further development, it was stated, the process will be applicable to the extraction of gasoline from the great shale deposits of the Far Western and Rocky Mountain states.

Freight car loading of forest products during 1921 cover two and a half million cars, a decrease of 500,000 cars as compared with 1920.

The Observer.

(Continued from Page 4)

Building in Berkeley during the month of February was not only close to 300 per cent more than the same month a year ago, but exceeded any month of February in the history of the city. Permits issued during the past month totaled $432,766.

Alameda city building permits totaled $87,433 during the month of February, an increase of $32,385 over those of January.

Paul Dimmick, head of the Albion Lumber Co., died suddenly in San Francisco, February 27th.

Box factory and mill workers at Klamath Falls, Ore., are discussing methods to combat the operators' proposals to increase working time from eight to nine hours a day, effective March 1st. Between 200 and 300 workers have voted to walkout if the proposal becomes effective.

Building permits issued in Bakersfield during the month of February totaled $151,235. During the month 38 cottages were erected at a cost of $116,300; 7 stores, $18,875, and 1 apartment building costing $9,500.

William Southwood, pioneer brick contractor of Palo Alto, died in that city March 2nd.

Colonel John Lambert, one of the pioneer organizers of the steel industry in the United States, died at his winter home in Pasadena, Calif., March 6th.

F. M. Handy, general manager of the Western Materials Co. of Spokane, Wash., announces plans are being made for the erection in Spokane of a plant for the manufacture of magnesite building materials. The plant will be built on a site to be selected, but along the line of the Spokane Falls & Northern railway on the North side, which road is convenient to the quarries. The proposed expenditure is $50,000.

California Finance and Housing Co. has opened offices in the Alexander Building, San Francisco and Kenshaw Building, Oakland. The business of the company is to loan money to home builders on a co-operative plan, at the rate of 3 per cent per annum, which may be repaid in small monthly payments.

Four of five members of the board of directors of the Archer Automatic Riveting Machine Co., located in Chico and doing business in Butte County, have signed an application to the Superior court for dissolution of the corporation. The company was incorporated in November, 1912.

Organization of an association of five irrigation districts, all contiguous, including the Modesto, Turlock, Oakdale, Waterford and South San Joaquin, has been perfected at Modesto. J. A. Nourse, president of the South San Joaquin District will head the association and C. A. Hillard of Modesto will be secretary.

Rocky Mountain National Park, in Colorado, had 273,777 visitors from every state in the Union last year, which was more than the combined attendance of Yellowstone, Yosemite, Glacier, Grand Canyon and Lassen National Parks.

LOS ANGELES BUILDS 141 MILES OF BUILDINGS IN 1921

Expressed in terms of street frontage, Los Angeles' building for the year 1921 amounts to 744,336 ft., or approximately 141 miles for buildings and additions without regard to story height. This frontage is subdivided into 485,184 ft. for sheds and 73,800 ft. for additions. These figures are contained in a report of the Los Angeles city building department of its activities for 1921 filed with the board of public works by J. J. Backus, chief inspector. The statistics were compiled by C. V. Welch, assistant chief inspector.

Plumbing permits during the year numbered 47,140, a gain of 46 per cent over 1920. These permits cover construction and installation of sanitary plumbing, private house sewers, cesspools, gas piping and water heaters in the entire city. Licenses were issued during the year to 1160 plumbers. At the close of 1921 there were 602 persons and firms licensed and engaged in business in the city.

During the year 5328 plans for new buildings and alterations were filed with the department and were checked for construction and compliance with the laws. Most of them were rechecked one or more times to ascertain if corrections requested by the office had been made.

A total of 284,116 inspections were made by the department, consisting of 171,095 building inspections and 113,021 plumbing inspections. "The number of inspections is considerably less than it should be," the report says, "due to the fact that this department is still seriously short of help, notwithstanding the fact that the honorable city council has increased the number of employes in the department during this year."

In making the inspections, about one-half of the men used automobiles and were allowed mileage for the use of their own machines. The inspectors traveled 217,747 miles and were paid $15,239.97 for the use of machines in city work.

The office collected, as fees for building permits, plumbing permits and plumbers' licenses, $232,499.60. Expenditures for all purposes including salaries, supplies, transportation of employes, equipment, etc., were $145,754.08. Net receipts were $86,745.52, which amount is greater by over $38,000 than for any other year in the history of the office.

Jan. 1, 1921, the office had 61 employes, and during the year this number was increased to 82 employes. "Due to a constant increase, month by month, in the amount of building construction in the city," the report says, "the present force is entirely inadequate to cope with the work necessary to be done, and there are many complaints from the public because of delays due to lack of help."—Southwest Builder.

BUILDERS' EXCHANGES

L. R. Ardouin, secretary of the Duluth Builders' Exchange, recently stated that builders, as employers of labor, like manufacturers or producers, must be organized to exchange ideas, with a view to the betterment of business conditions, but if members of a builders' exchange formed a ring and used the exchange as a place to adjust prices, or indulge in any action toward restraint of trade or the furthering of any unfair or unethical practices, it would not be open or capable of state incorporation. This is correct. A builders' exchange merely serves as a meeting place, and constantly affords an opportunity for its members to estimate the quantities of materials required from plans of prospective buildings which are constantly on file. Its rules provide expressly that, if any opportunity occurs to unreasonably raise the prices in any craft or commodity, or if such unreasonable arrangement is suspected, it is the right of any member to make complaint to the board of directors for investigation and adjustment.

Primarily, the objects of an exchange is to provide uniformity of methods in dealing with matters effecting the building industry, and to do all possible to further the general interests of the industry, and promote good relations between the members on the one hand and owners, architects, engineers and labor on the other hand.

Protection is also provided any person who desires to protect his own interest by filing the plans of the house he is going to build, or the building he is going to erect, with the builders' exchange. In this way he can obtain information as to the reliability of his prospective contractors, materials to be used in his building, and everything he wishes to know about it.—Western Canada Contractor.

Colorado, the roof of the continent, has forty-two of the fifty-five named peaks of the United States which exceed 14,000 feet altitude.

DAILY
PACIFIC BUILDER

The only daily newspaper in the West whose columns are devoted exclusively to Building News. Covers San Francisco and Bay Counties. $1.25 per month, payable in advance. Send for sample copy.

560 MISSION STREET SAN FRANCISCO, CAL.

SUPERIOR PAINT PRODUCTS COMPANY TO ISSUE STOCK

The Superior Paint Products Company with principal place of business in Marysville, and which proposes to engage in the manufacture and sale of its products, has been authorized by the Commissioner of Corporations to sell and issue certain of its securities. The company proposes to acquire assignment of the contract for the purchase of iron oxide material in a mine dump, which it is alleged, is suitable for the manufacture of paint products. Under the provisions of the permit the company is authorized to sell one share of its capital stock to each of its incorporators at par for cash so as to net the company the full amount of the selling price. It is authorized to issue 100 shares to Ethel M. Williams, in consideration for the transfer of a certain contract. The company proposes to sell 195 shares at par so as to net the entire selling price and the funds from such sales are to be used by the company in conducting the business. Under the permit the shares issued to Ethel M. Williams are to be deposited and held as an escrow. There is a condition in the permit also that the company must sell not less than $12,000 aggregate par value of its securities on or before August 1, 1922, or the permit will not become operative.

SIERRA FOREST OF CALIFORNIA GREATLY ENDANGERED BY TREE DISEASE

The Sierra forest of California may soon face a dangerous enemy, says Walter Mulford, Professor of Forestry of the University of California Agricultural Experiment Station. The white pine blister rust, a destructive disease attacking five needled pines, has been found in British Columbia and the State of Washington.

This disease is a native of Europe and was not found in this country until 1906, having been introduced on nursery stock. It has been established in New England, New York, Minnesota and Wisconsinf or some time.

Seven western pines are subject to attack: sugar, western white, limber, white-bark, fox-tail, bristle-cone and Mexican white. The first two are among the half dozen greatest western timber trees. All of the seven add greatly to the beauty of western mountains. Vigorous measures are now under way to attempt to stamp out the disease in the West.

GRANITE MANUFACTURERS PROTEST PRISON LABOR

At the regular meeting of the Granite Manufacturers' Association of California, held March 1, 1922, the following preambles and resolution were read and approved:

WHERAS: Granite for Soldier's memorial to be erected at San Rafael, California, is furnished, cut and finished by prisoners at the Folsom Penitentiary, at the request of a small committee assuming the responsibility; and WHEREAS: sufficient funds were subscribed to pay for the purchase of granite, cutting, completing, etc., including hauling, setting and all expenses in relation thereto:— RESOLVED That the members of the Granite Manufacturers' Association of California, protest against the use of prison labor for the manufacture of granite monuments and that no assistance will be granted by any of the members of this Association towards the erection of said monument or any other monument furnished by or as a result of prison labor.

SIMPLIFICATION OF BUILDING MATERIALS TO ELIMINATE WASTE IN INDUSTRY

WASHINGTON, D. C.—Simplification of building materials as a means of eliminating waste in industry was discussed at a recent conference held between officials of the Department of Commerce and representatives of architectural, engineering and building organizations.

The Fabricated Production Department of the Chamber of Commerce of the United States is cooperating with the Department of Commerce and the industry in the movement.

The work of the meeting may be summed up in the following resolution which was adopted:

"WHEREAS The undersigned committee of Architects, Contractors and Engineers are fully in accord with Secretary Hoover's program for elimination of waste as a major means to the stimulation of American Business, and

"WHEREAS prominent among the many factors which contribute to such wastes in building as evidenced by the high cost of construction are the multiplicity of types and the great variety of dimensions which now abound in many of the component parts which enter construction, AND

"WHEREAS the cost of construction will undoubtedly be thereby lessened, the industry stimulated, and interest of the public conserved by dimensional simplification;

"BE IT RESOLVED that this Committee formed to discuss the subject of dimensional simplification recommends to the Department of Commerce that the Division of Simplified Practice study certain essential parts of construction with a view to simplifying the types and lessening the number of different dimensions of those parts."

In selecting the items of building materials to be given attention first, the following were designated: millwork, plumbing, heating, interior wall construction, hardware, lighting fixtures, clay products, the latter including brick, tile of all kinds, terra cotta, sewer pipe, etc.

In giving these items attention, the Department will formulate sub-committees to bring together the manufacturers and other having to do with each particular commodity or service.

It is expected later that conferences of those manufacturing each of the commodities and all interested in these lines will be called from time to time, and it is hoped that within a reasonable time the work will have an important effect in stimulating building and reducing building costs.

The following was the representation present at the meetings: F. L. Ackerman, American Institute of Architects, New York; Dr. P. G. Agnew, American Engineering Standards Committee, New York; Carl F. Grieshaber, Delano & Aldrich, Nem York; W. H. Ham, Bridgeport Housing Co., Bridgeport, Conn.; W. S. Hays, National Federation of Construction Industries, Philadelphia; Noble F. Hoggson, Hoggson Brothers, New York; Sullivan W. Jones, American Institute of Architects, New York; E. W. McCullough, Chamber of Commerce of U. S., Washington; Walter E. Truesdell, Consulting Construction Engineer, New York; Stephen F. Voorhees, American Institute of Architects, New York; Waddy B. Wood, Architect, Washington,

Representatives of the Department of Commerce: Dr. John M. Gries, Chief, Building and Housing Division; James S. Taylor, Administrative Assistant; Wm. A. Durgin, Chief, Division of Simplified Practice; Ray M. Hudson, Technical Assistant.

DO IT NOW

Each and every one of us can help the recovery of business and aid in reviving industry. How, you will inquire? Well, there is, to begin with, that small improvement which you have long wanted to carry out around your home or your place of business; do it now. There is that purchase you have had in mind for quite a while but have held back because the price was too high; make it now. Your long-cherished dream of building your own home has heretofore not been realized because of this, that or the next reason; built it now. There is that money you have been saving in the hope of being able to invest it safely and profitably; invest it now. You have been waiting for the right opportunity to launch that more aggressive plan for developing your business; do it now. You have been feeling pessimistic for many months, but find yourself half-inclined to adopt a more cheerful and courageous attitude; do it now.

GOVERNMENT MOTION PICTURES BOOST GOOD ROADS

In line with its policy of informing the public, especially those who pay taxes, as to the economies that may be effected in the construction of highways, as well as the proper methods of construction, the United States Government, through the Bureau of Public Roads, Department of Agiculture, has just completed for free distribution and use in motion picture houses as well as at convention, chautauquas and educational conferences throughout the country, two reels of pictures showing in detail the construction of the various types of asphalt roads. The pictures were exhibited for the first time at the recent American Good Roads Congress in Chicago. The pictures were taken in New York, New Jersey, Pennsylvania and other states under the direction of E. J. Wulff, senior highway engineer, U. S. Bureau of Public Roads, and E. J. Kelly, of the Motion Picture Division, United States Department of Agriculture. The pictures are loaned to responsible parties free of charge, except for transportation costs. Each reel is approximately 900 feet long and about fifteen minutes time is required for its showing.

REMARKABLE GROWTH OF REDWOOD SHOWN ON CUT-OVER LAND

A remarkable growth of redwood on cut-over land is reported by W. Metcalf, Associate Professor of Forestry, and E. Fritz, Assistant Professor of Forestry of the University of California. A second growth redwood forest in Mendocino County, fifty years old, contained more than 100,000 board feet of timber per acre, as determined by a measurement made in July, 1921.

This measurement shows that California redwood forests produce a greater amount of board feet than many eastern forests. As a comparison, a good forest of virgin spruce timber in the Adirondacks contains about 10,000 board feet per acre. The redwood area measured, however, was on good bottomland. On ordinary soil, the growth cannot be expected to approach this figure. Measurements of the yield on other areas in the state are being made by Donald Bruce, Associate Professor of Forestry, University of California.

Advance Construction Reports

Larsen Construction Reports, issued every business day of the year, furnishes information as to contemplated construction projects of all kinds, covering the State of California.

If you want to know when Architects and Engineers are preparing plans or taking figures for materials and for construction, we supply the information.

BUILDING REPORT SERVICE covers every class of building.

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560 Mission Street San Francisco, Calif.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

$2,500 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
830	Fontanella	Owner	6000
831	Perkins	Tarbitt	3500
832	Mullane	Holt	7500
834	Ungermann	——	8000
835	Lidari	Silno	3000
836	McWilliams	Hooper	9000
838	Miranda	Grahn	4000
839	Boehm	Meinberger	9000
840	Leigh	Owner	12000
841	Rosencrantz	Owner	15000
842	Maas	Comisky	9500
844	Valentine	Arras	19900
845	Parkside	Owner	12000
846	Hargrave	Montgomery	6972
847	Dignan	Montani	6827
848	Asmussen	Andersen	16800
849	Herber	Merritt	3000
850	Feeney	Jones	11000
852	Anderson	Owner	18000
853	Cohn	Owner	8000
856	Enright	Owner	3800
857	Crocker	Samuelson	3900
858	Crocker	Samuelson	3500
859	Crocker	Samuelson	3550
860	Siggs	Owner	3000
863	Warwick	Warwick	34000
866	West	Schell	14300
867	Bettoni	Amoroso	11450
868	Neetler	Coggins	3500
870	Stoltz	Grant	10000
871	Mertes	Mertes	3500
872	Beckman	Owner	7600
873	Smale	Owner	3900
875	Rousseau	Owner	50000
877	Nelson	Owner	8000
878	Bank of Italy	Owner	38000
881	Layne	Sayre	3500
883	Swift	Gibson	4000
884	Nelson	Owner	5000
885	Same	Same	5000
886	Hart	Nelson	4000
887	Porporato	Owner	3000
888	Warwick	Warwick	2500
889	Johnson	Owner	20000
890	Hemminga	Owner	4000
891	Rossi	Pasqualetti	110000
892	Baumeister	Klahn	2800
893	Stern	Owner	5000
895	Montarnal	Madden	3100
896	Wyatt	Jensen	2385
897	Judson	Mangels	12866
898	Ungermann	Moller	7789
899	Same	Neal	595
900	Same	May	954
901	Loewe	Martin	9820
902	Same	Williamson	1135
904	Bremem	Owner	4800
905	Elliott	Owner	3000
909	Wilson	Scully	15000
912	Day	Hayes	5000
913	Boehm	Meinberger	9000
914	Valentine	Lemoge	1792
915	Same	Arras	17249
916	Anglo	Cal	16458
917	Same	Mangrum	6260
918	Cole	Nelson	8250
919	Hanchett	Monson	16000
920	Layne	Sayre	3500
921	Dieguardi	Owner	4000
922	Capo di Monte	Owner	380000
923	Neubarth	Hamerton	9000
924	Voerhies	Owner	12000
926	Paris	Spingola	5000
927	Detling	Holdener	10000
928	Same	Same	10000
931	Anderson	Meyer	6000
933	Heney	Moriconi	8000
941	Hueter	Boxton	5000
942	Pratt	Owner	3000
943	Thies	Harder	10459
944	Hall	Chiappa	8998

FRAME FLATS
(830) N CALIFORNIA 32-6 E 21st Ave. Two-story and basement frame (2) flats.
Owner—Fontanella & Teza, 1682 Eddy St., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Day's work. $6000

FRAME FLATS
(831) W DOLORES 27 N 26th. Two-story and basement frame (2) flats
Owner—M. L. Perkins, 1326 Dolores St., San Francisco.
Architect—None.
Contractor—James Tarbitt. $3500

FRAME FLATS
(832) W EIGHTEENTH AVE 125 S Lake. Two-story and basement frame (2) flats
Owner—John F. Mullane, 155 29th St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco
Contractor—O. K. Holt, 3877 26th St., San Francisco. $7500

FRAME FLATS
(834) N FULTON 82-6 E Nineteenth Ave. Two-story and basement frame (2) flats.
Owner—Mrs. O. Ungermann, 296 Liberty St., San Francisco.
Architect—Dodge A. Riedy, 850 Pacific Bldg., San Francisco.
Not Let. $8000

DWELLING
(835) E FRANKLIN 62-6 N Francisco. One-story and basement frame dwelling.
Owner—Felice Lidari, 712 Bay St., San Francisco.
Architect — Louis Mastropasqua, 580 Washington St., San Francisco.
Contractor—Salvatore Silno, 712 Bay St., San Francisco. $3000

FLATS
(836) N GROVE 115-8 and 140-8 E Ashbury. Two 2-story and basement frame buildings (2) flats each
Owner—John A. McWilliams, 332 Pierce St., San Francisco.
Architect—J. M. Hooper, 33 Guerrero St., San Francisco.
Contractor—J. M. Hooper, 33 Guerrero St., San Francisco. $9000 each

DWELLING
(838) N SHAFTER 125 E Lane. One and one-half story and basement frame dwelling.
Owner—F. Miranda, 1412 Hudson Ave., San Francisco.
Architect—None.
Contractor — Wm. H. Grahn, 2840 Bryant St., San Francisco. $4000

FLATS
(839) W TWENTY-SIXTH AVE. 170 S Geary. Two-story and basement frame (2) flats.
Owners—Emma and Max Boehm, 305 16th Ave., San Francisco.
Architect—None.
Contractor—H. S. Meinberger, 5720 California St., San Francisco. $9000

FLATS
(840) E TWENTY-SEVENTH AVE. 258-6 S California. Two-story and basement frame (4) flats.
Owner—David Leigh, 840 44th Ave., San Francisco.
Architect—None.
Day's work. $12,000

FLATS
(841) W FOURTEENTH AVE. 144-11 N Anza. Two-story and basement frame (2) flats.
Owner—Samuel Rosenerantz, NE Guerrero and 21st Sts., San Francisco.
Architect—John J. Foley, 770 5th Ave., San Francisco.
Day's work. $15,000

FLATS
(842) N FILBERT 63 E Baker E 87x N 72. All work for a two-story frame building (flats).
Owner—Carlos Maas, 2762 Van Ness Ave., San Francisco.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Contractor—D. A. Comisky, 180 Jessie St., San Francisco.
Filed Mar. 3, '22. Dated Feb. 27, '22
First floor joists in.....$1781.25
Frame completed and roofed 1781.25
Plastering Completed 1781.25
Completed and accepted..... 1781.25
Usual 35 days..... 2375.00
TOTAL COST, $9,500
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

PRINTING PLANT
(844) SW NATOMA AND EIGHTH. One-story and basement reinforced concrete printing plant.
Owner—The Francis Valentine Co., 26 Montgomery St., San Francisco.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Contractor—Adam Arras Co., 180 Jessie St., San Francisco. $19,900

DWELLINGS
(845) W THIRTY-FOURTH AVE 100, 150 and 200 N Ulloa. Three one-story and basement frame dwellings.
Owner — Parkside Realty Co., 617 Crocker Bldg., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Day's work. $1000 each

RESIDENCE
(846) S TWENTY-EIGHTH 100 W Guerrero W 26xS 114. All work except lighting fixtures, shades and finish hardware for one-story and basement frame residence.
Owner—Albert E. Hargrave and May E. Hargrave, 1721 Quesada Ave., San Francisco.
Architect—None.
Contractor—Elmer J. Montgomery, 1320 Broadway, San Francisco.
Filed Mar. 4, '22. Dated Mar. 1, '22.
Frame up $1743
Brown coated 1743
Completed and accepted..... 1743
Usual 35 days..... 1743
TOTAL COST, $6972
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME STORES
(847) S GEARY 82-6 E Eighteenth Ave E 50xS 100. All work except finish hardware, shades and chandeliers for one-story frame stores
Owner—Jas. Dignan, 76 Palm Ave., San Francisco.
Architect—J. A. Proporato, 619 Washington St., San Francisco.

Contractor—S. Montani, 1753 Greenwich St., San Francisco.
Filed Mar. 4, '22. Dated Mar. 2 '22.
Rough frame up.....$1600
Brown coated 1600
Completed and accepted..... 1700
Usual 35 days..... 1927
TOTAL COST, $6827
Bond, $3500. Sureties, Geo. W. Miller and G. Borcelli. Limit, 90 days. Forfeit, none. Plans and specifications filed

APARTMENTS
(818) S HAIGHT 55 W Pierce W 27-6x S 87-6. All work except finish hardware, electric fixtures, shades, wall paper and wall beds for three-story and basement frame (6) apartments.
Owner—M. I. Asmussen, 722 Haight St., San Francisco.
Architect—E. R. Christensen, 233 Lick Bldg., San Francisco.
Contractor—Finn Andersen, 180 Jessie St., San Francisco.
Filed Mar. 4, '22. Dated Feb. 10, '22.
Foundation and 1st floor joists in $3150
Frame completed, enclosed and roof on 3150
Brown coated 3150
Completed and accepted..... 3150
Usual 35 days..... 4200
TOTAL COST, $16,800
Bond, $8400. Sureties, M. Kristensen and J. H. McCallum. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported Dec. 30, 1921 No. 3155.

ALTERATIONS
(849) SE ANZA AND SECOND AVE Alterations and additions for two apartment flats, re-arrange basement for garages.
Owner—Mr. Heber, Premises.
Designer—Geo. M. Merritt, 3014 Geary St., San Francisco.
Contractor—Geo. M. Merritt, 3014 Geary St., San Francisco. $3000

FRAME FLATS
(850) SE CALIFORNIA & TWENTY-seventh Ave. Two-story and basement frame (1) flats
Owner—Thos. J. Feeney, 18th and Danvers Sts., San Francisco.
Architect—Robt. W. Jenkins.
Contractor—Thos. M. Jones, 3767 Army St., San Francisco. $11,000

DWELLINGS
(852) W EDINBURGH 175, 200, 225, 250, 275, 300, 325, 350 and 375 N Excelsior. Nine one-story and basement frame dwellings.
Owner—K. Anderson and T. Johnson, 133 Bertita Ave., San Francisco.
Architect—None.
Day's work. $2000 each

FRAME FLATS
(853) W EIGHTEENTH AVE 250 N Chirillo Two-story and basement frame (2) flats.
Owner—A. Cohn and Sid Spearin, 535 Bryant St., San Francisco.
Architect—A. L. Schmolle, 40 Montgomery St., San Francisco
Day's work $8000

DWELLING
(856) N McALLISTER 100 W Willard One-story and basement frame dwelling
Owner—Michael Enright, 2720 McAllister St., San Francisco.
Architect—None.
Day's work $3800

DWELLING
(857) E NAPLES 25 S Amazon Ave One-story and basement frame dwelling
Owner—Crocker Estate Co., 525 Crocker Bldg., San Francisco.
Architect—None
Contractor—A. M. Samuelson, 290 Rolph St., San Francisco. $3500

DWELLING
(858) W NAPLES 29 S Amazon. One-story and basement frame dwlg
Owner—Crocker Estate Co., 525 Crocker Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 290 Rolph St., San Francisco. $3500

DWELLING
(859) E NAPLES 110 S Amazon Ave.
Owner—Crocker Estate Co., 525 Crocker Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 290 Rolph St., San Francisco. $3550

DWELLING
(860) E NINETEENTH AVE 81-5 S Santiago. One-story and basement frame dwelling.
Owner—Arthur R. Siggs, 1047 14th St., San Francisco.
Architect—None.
Day's work. $3000

APARTMENTS
(863) S PINE 206-3 W Hyde. Three-story and basement frame (12) apartments.
Owner—M. D. Warwick, 3191 Washington St., San Francisco.
Architect—C. H. Skidmore, New Call Bldg., San Francisco.
Contractor—Harry C. Warwick, 3191 Washington St., San Francisco. $34,000

GARAGE
(866) E FILLMORE 30 S Page S 90 E 140 N 15 W 50 N 75 W 90. All work for one-story Class C garage building.
Owner—Aphia West, San Rafael, Cal.
Architect—Frank S. Holland, 1629 Folsom St., San Francisco.
Contractor—Samuel Schell, 180 Jessie St., San Francisco.
Filed Mar. 6, '22. Dated Feb. 28, '22.
Concrete walls completed..... ¼
Ready for roofing..... ¼
Completed ..... ¼
Usual 35 days..... ¼
TOTAL COST, $11,350
Bond, $7175. Sureties, Jos. Ahlbach Frank Spencer and O. B. Dreusike. Limit, 60 days. Forfeit, $10. Plans and specifications filed.

FRAME FLATS
(867) NE GREEN AND GARIBALDI E 40-3xN 57-6. All work except gas fixtures, shades and finish hardware for two-story frame (4) flats.
Owner—Battista Cettoni, 52 Garibaldi St., San Francisco.
Architect—None.
Contractor—F. C. Amoroso, 1326 Kearny St., San Francisco.
Filed Mar. 6, '22. Dated Feb. 20, '22.
Frame up $2862.50
Brown coated 2862.50
Completed and accepted.... 2862.50
Usual 35 days..... 2862.50
TOTAL COST, $11,450.00
Bond, $5725. Sureties, Tony Darrico and Natale Arieta. Limit, 90 days. Forfeit, none. Plans and specifications filed

FRAME BLDG.
(868) S CLARA 195 S Sixth. All work except painting for two-story frame building.
Owner—Frank Nettler, Hotel Royal, Oakland.
Architect—None
Contractor—L. M. Coggins, 115 Turk St., San Francisco.
Filed Mar 6, '22 Dated Feb. 23, '22.
Foundation in .....$ 500
Frame up 1000
Completed 1125
Usual 35 days 875
TOTAL COST, $3500
Bond, none. Limit, May 1, 1922. Forfeit, plans and specifications, none.

FRAME FLATS
(870) W CASTRO 198-6 S 18th. Three-story and basement frame (2) flats and store.
Owner—Celina Stoltz.
Architect—None.
Contractor—Lincoln U. Grant, 131 Beaver St., San Francisco. $10,000

ALTERATIONS
(871) E ELEVENTH AVE 175 S Clement. Raise residence; add 3 rooms and bath and plaster exterior.
Owner—Mrs. S. Mertes, 262 6th Ave., San Francisco.
Architect—None.
Contractor—S. B. Mertes, 262 6th Ave., San Francisco. $3500

DWELLINGS
(872) W FORTY-FIRST AVE 275 and 300 S Balboa. Two one-story and basement frame dwellings.
Owner—C. H. Beckman, 64 Mars St., San Francisco.
Architect—None.
Day's work. $3800 each

RESIDENCE
(873) S FORD 175 W Sanchez. Two-story and basement frame residence.
Owner—Wallace J. Smale, 15 Ford St., San Francisco.
Architect—None.
Day's work. $3900

OFFICES
(875) N GEARY 206-8 W Mason. Five-story and basement reinforced concrete offices.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—David Coleman, 110 Sutter St., San Francisco.
Day's work. $50,000

FRAME DWELLINGS
(877) E HAZELWOOD 32 and 72 N Staples. Two one-story and basement frame dwellings.
Owner — Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chas. Strothoff, 2274 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., S. F. $4000 each

BANK
(878) SW IRVING AND EIGHTH AVE. One-story and basement concrete bank.
Owner—Bank of Italy, Montgomery & Clay Sts., San Francisco.
Architect — W. D. Shea, 527 Chronicle Bldg., San Francisco.
Day's work. $38,000

REPAIRS
(881) N NATOMA 75 W Eighth. Repair fire damage to six flats.
Owner—C. H. Layne, 1322 10th Ave., San Francisco.
Architect—None.
Contractor—C. C. Sayre, 541 26th Ave., San Francisco. $3500

DWELLING
(883) W THIRTY-SECOND AVE 90 S Lincoln Way. One-story and basement frame dwelling.
Owner — Ed. Swift, 1372 Mission St., San Francisco.
Architect—R. N. Gibson, 55 5th St., San Francisco
Contractor—R. N. Gibson, 55 5th St., San Francisco. $4000

DWELLING
(884) NW VALDEZ AND MONTECITO One-story and basement frame dwelling
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco
Architect—Chas. Strothoff, 2274 15th St., San Francisco.
Contractor — Nelson Bros. 1375 Plymouth Ave., S. F. $5000

DWELLING
(885) NE VALDEZ AND MONTECITO One-story and basement frame dwelling
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chas. Strothoff, 2274 15th St., San Francisco.
Contractor — Nelson Bros., 1375 Plymouth Ave., S. F. $5000

DWELLING
(886) E WESTWOOD DRIVE 95 N Wildwood Way. One-story and basement frame dwelling.
Owner—L. B. Hart, 139 23rd Ave., San Francisco.
Architect—Chas. Strothoff, 2274 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco $4000

STORE
(887) S WASHINGTON 57-6 W Montgomery. One-story and basement brick store.
Owner—J. A. Porporato, 619 Washington St., San Francisco.
Arcihtect—J. A. Porporato, 619 Washington St., San Francisco.
Day's work. $3000

APARTMENTS
(888) N BRYANT 150 W Third. Fireproof halls; painting; carpentry; composition flooring; electric fixtures ,wiring, etc., for apartments.
Owner—Harry C. Warwick, 3191 Washington St., San Francisco.
Architect—T. Paterson Ross, 310 California St., San Francisco.
Contractor—Harry C. Warwick, 3191 Washington St., San Francisco. $2500

APARTMENTS
(889) SW CLEMENT & EIGHTEENTH Ave. Two-story and basement frame (8) apartments.
Owner—Ernest Johnson, 581 Belvedere St., San Francisco.
Architect—None.
Day's work. $20,000

RESIDENCE
(890) W TWENTY-SECOND AVE 375 S Cabrillo. Two-story and basement frame residence.
Owner—Nick Hemninga, 705 22nd Ave., San Francisco.
Architect—None.
Day's work. $4000

APARTMENTS
(891) N GEARY 68-9 E Leavenworth. Five-story and basement concrete (48) apartments.
Owner—G. N. and N. Rossi, 465 12th St., Oakland.
Architect—C. H. Barrett, 342 Grant Ave., San Francisco.
Contractor—G. B. Pasqualetti, 746 Union St., San Francisco. $110,000

DWELLING
(892) S HIDALGO TERRACE 178 E Dolores. One-story and basement frame dwelling.
Owner—J. Baumeister, 6287 Hayes St. San Francisco.
Architect—None.
Contractor—Arthur H. Klahn, 1334 21st Ave., San Francisco. $2800

DWELLING
(893) E PLATO 250 S Masonic Ave. One-story and basement frame dwelling.
Owner—J. Stern, 1409 Geary St., San Francisco.
Architect — J. C. Hladik, Monadnock Bldg., San Francisco.
Day's work. $5000

RESIDENCE
(895) NE SHAFTER AVE 100 SE Lane SE 25xNE 100. All work for five-room and basement residence.
Owner—Adrien Montarnal, 1445 Florida St., San Francisco.
Architect—None.
Contractor—P. H. Madden, 1527 Jordan Ave., San Francisco.
Filed Mar. 7, '22. Dated Mar. 3, '22.
Frame up $775
1st coat plaster on..... 775
Completed and accepted..... 775
Usual 35 days..... 775
TOTAL COST, $3100
Bond, none. Limit, 70 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(896) NO. 115-117 SAN JOSE AVE. All work for alterations and additions to building for apartments.
Owner—Hattie and Annie Wyatt, Prem.
Architect—None.
Contractor — James Jensen, 550 Valencia St., San Francisco.
Filed Mar. 7, '22. Dated Feb. 14, '22.
Plumbing roughed in and lathing completed $1200.00
Completed 588.75
Usual 35 days..... 596.25
TOTAL COST, $2385.00
Bond, none. Limit, shortest possible time. Forfeit, none. Specifications only filed.

RESIDENCE
(897) LOT 3 BLK 18 Map Sbdvn Blks 18 and 21 and Ptn 19 and Lots lettered P, Q, R and S, St. Francis Wood Extension No. 2. All work for two-story and basement frame residence.
Owner—Paul K. and Florence F. Judson, Phelan Bldg., S. F.
Architect—Henry H. Gutterson, 278 Post St., San Francisco.
Contractor—Mangels Bros., 4792 Mission St., San Francisco.
Filed Mar. 7, '22. Dated Mar. 6, '22.
Frame up $3216.60
Brown coated 3216.60
Completed and accepted.... 3216.60
Usual 35 days..... 3216.70
TOTAL COST, $12,866.50
Bond, $6433.25. Sureties, Annie Kohlbecker and Dora Mangels. Limit, 110 days. Forfeit, $5. Plans and specifications filed.

FRAME FLATS
(898) N FULTON 82-6 E Nineteenth Ave. All work except plumbing and painting for two-story and basement frame flats.
Owner—Mrs. Olga O. Ungermann, 296 Liberty St., San Francisco.
Architect—Dodge A. Riedy, Pacific Bldg., San Francisco.
Contractor—Fred Moller , 180 Jessie St., San Francisco.
Filed Mar. 7, '22. Dated Mar. 6, '22.
Frame up and roof on.....$2000.00
Job brown coated..... 1917.50
Completed and accepted..... 1917.50
Usual 35 days..... 1945.00
TOTAL COST, $7780.00
Bond, $3890. Sureties, R. W. Moller and F. K. McComber. Limit, 45 days. Forfeit, none. Plans and specifications filed.

(899) PAINTING ON ABOVE.
Contractor—The Neal Co., 538 Hayes St., San Francisco.
Filed Mar. 7, '22. Dated Mar. 6, '22.
Completed $595
TOTAL COST, $595
Bond, none. Limit, 45 days. Forfeit none. Plans and specifications filed.

(900) PLUMBING ON ABOVE.
Contractor—Gus May, 3668 18th St. San Francisco.
Filed Mar. 7, '22. Dated Mar. 6, '22.
Roughing in completed.....$577
Completed and accepted..... 377
TOTAL COST, $954
Bond, none. Limit, 45 days. Forfeit, none. Plans and specifications filed.

FRAME BUILDING
(901) W NINETEENTH AVE 125 N Fulton W 120xN 25. All work except plumbing, heating, painting, shades and light fixtures for two-story and basement frame bldg.
Owner—Wm. G. Loewe, 271 Tehama St., San Francisco.
Architect—E. A. Neumarkel, 544 Market St., San Francisco.
Contractor—Wm. Martin, 180 Jessie St., San Francisco.
Filed Mar. 7, '22. Dated Mar. 7, '22.
Frame up $1840
Ready for plaster..... 1840
Plaster completed 1840
Completed and accepted..... 1840
Usual 35 days..... 2460
TOTAL COST, $9820
Bond, $4910. Sureties, Edwin T. Peterson and Fred Walpirt. Limit, 100 days. Forfeit, none. Plans and specifications filed.

(902) PLUMBING, SEWER, WATER and gas piping on above.
Contractor — H. Williamson Co., 1376 Mission St., San Francisco.
Filed Mar. 7, '22. Dated Mar. 7, '22.
Roughed in $550
Completed 300
Usual 35 days..... 285
TOTAL COST, $1135
Bond, none. Limit, 70 days. Forfeit, none. Plans and specifications filed.

DWELLINGS
(904) E FORTY-SEVENTH AVE. 250 and 275 S Lincoln Way. Two 1-story and basement frame dwellings.
Owner—Bremem Land Co., 369 Pine St., San Francisco.
Plans by Owner.
Day's work. $2400 each

RESIDENCE
(909) W TWENTY-FIRST AVE 247 N California. Two-story and basement frame residence.
Owner — A. J. Wilson, 210 22nd Ave., San Francisco.
Architect—None.
Supt. of Constr.—J. E. Scully, Phelan Bldg., San Francisco. $15,000

REPAIRS
(912) NO. 725 MISSION. Repair fire damage to salesrooms.
Owner—Thomas Day Co., Premises.
Architect—None.
Contractor—Hayes-Oser Co., Call Bldg., San Francisco. $5000

FLATS
(913) W TWENTY-SIXTH AVE 170 S Geary S 25xW 120. All work for two-story frame flats.
Owner—Max and Emma L. Boehm, 305 16th Ave., San Francisco.
Architect—None.
Contractor — Herman E. Meinberger, 5720 California St., San Francisco.
Filed Mar. 8, '22. Dated ——.
Rough frame up $2250
1st coat plaster on..... 2250
Completed and accepted..... 2250
Usual 35 days..... 2250
TOTAL COST, $9000
Bond, $4500. Sureties, Val Meinberger and Caroline L. Smith. Limit, 90 days. Forfeit, none. Plans and specifications filed.

WIRING, ETC.
(914) SW EIGHTH AND NATOMA 75 x150. Wiring and appurtenances for electric power and lighting fixtures for one-story Class C building.
Owner—The Francis Valentine Co., 26 Montgomery St., San Francisco.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Contractor — Victor Lemoge, 152 4th St., San Francisco.
Filed Mar. 8, '22. Dated Mar. 1, '22.
Roughed in $672
Completed and accepted..... 672
Usual 35 days..... 448
TOTAL COST, $1792
Bond, limit, forfeit, none. Plans and specifications filed.

(915) ALL WORK EXCEPT PLUMBing and electrical work on above.

Costractor—Adam Arras Co., 180 Jessie St., San Francisco.
Filed Mar. 8, '22. Dated Mar. 1, '22
Ready to pour main.....$4,312.25
Floor, concrete walls and roofing completed 4,312.25
Completed and accepted..... 4,312.25
Usual 35 days 4,312.25
TOTAL COST, $17,249.00
Bond, none. Limit, June 1, 1922. Forfeit, $10 day. Plans and specifications filed.

ALTERATIONS
(915) W SANSOME 46-10⅞ m or l N Sutter N 91-6xW 122-9. Ornamental iron work for alterations and additions to bank building.
Owner—Anglo & London Paris Nat'l. Bank.
Architect — Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—California Artistic Metal & Wire Co., 349 7th St., S. F.
Filed Mar. 8, '22. Dated Feb. 23, '22.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, 16,458
Bond, $8225. Surety, National Surety Co. Limit, as required. Forfeit, none. Plans and specifications filed.

(917) FLOOR AND WALL TILE ON above.
Contractor — Mangrum & Otter, 827 Mission St., San Francisco.
Filed Mar. 8, '22. Dated Feb. 8, '22.
Payments same as above.....
TOTAL COST, $6260
Bond, $2130. Surety, National Surety Co. Limit, 75 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(918) LOT 22 BLK 3110, Westwood Park. All work for one-story and basement frame residence.
Owner—Millie C. Cole wife L. W.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor — Hans Nelson (as Nelson Bros.), 1375 Plymouth Ave., S. F.
Filed Mar. 8, '22. Dated Mar 6, '22.
Roof on $2062.50
White coated inside and 2nd coated outside 2062.50
Completed and accepted.... 2062.50
Usual 35 days..... 2062.50
TOTAL COST, $8250.00
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed

GARAGE
(919) W MISSION 25 N West Park N 75xW 125. All work for one-story concrete building (garage).
Owner—Elfriedi Hanchett, wife Floyd W., 1207 Valencia St. S. F.
Architect—Albert W. Burgren, 110 Sutter St., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco.
Filed Mar. 8, '22. Dated Mar. 3, '22.
Completed and accepted.....$8000
Usual 35 days..... 8000
TOTAL COST, $16,000
Bond, $8000. Sureties, E. T. Osborn and S. L. Forsyth. Limit, 75 days. Forfeit, $10. Plans and specifications filed.

ALTERATIONS
(920) NW NATOMA 75 SW Eighth SW 25xNW 75. Alterations and additions to frame building (6 flats)
Owner—C. H. Layne, 1322 10th Ave., San Francisco.
Architect—None.
Contractor—C. C. Sayre, 541 26th Ave., San Francisco.
Filed Mar. 8, '22. Dated Mar. 6, '22
Is completed $875
Completed and accepted $875
Usual 35 days 875
TOTAL COST, $3500
Bond, $1750. Sureties, Edw. Sweeney and Geo. W. Wall. Limit, 60 days. Forfeit, none. Specifications only filed

CONCRETE FLOORS
(921) NW PACIFIC AND MONTgomery. Concrete floors for building.
Owner—J. A. Yoakam, 275 Fairmount, San Francisco.
Architect—None.
Contractor—Fred Moller & R. De Luca, 180 Jessie St., San Francisco.
Filed Mar. 8, '22. Dated Mar. 7, '22.
Completed and accepted.....$1031.25
Usual 35 days..... 343.75
TOTAL COST, $1375.00
Bond, $687.50. Sureties, R. W. Moller and F. K. McComber. Limit, 24 days after —. Forfeit, none. Plans and specifications, none.

DWELLING
(921) W CURTIS 300 N Morse. One-story and basement frame dwelling.
Owner—L. Dioguardi, Box 12-B, Redwood City, Cal.
Architect—T. Edwards, 833 Market St., San Francisco.
Day's work. $4000

APARTMENTS
(922) NW FILBERT AND HYDE STS. Six-story and basement brick (29) apartments.
Owner—Capo di Monte, 310 California St., San Francisco.
Architect—T. Paterson Ross, 310 California St., San Francisco.
Day's work. $380,000

RESIDENCE
(923) E FOURTEENTH AVE 100 N Taraval. Two-story and basement frame residence.
Owner—R. D. Neubarth, 33 Hartford St., San Francisco.
Architect—None.
Contractor — A. C. Hamerton, 475 Dewey Blvd., San Francisco. $9000

FLATS
(924) W FOURTEENTH AVE 314 and 339 S Anza. Two two-story and basement frame (2 in each) flats.
Owner—Voorhies-Newman Co., 50 Divisadero St., San Francisco.
Architect—Wm. Gunnison, 1666 Golden Gate Ave., San Francisco.
Day's work. $6000 each

FLATS
(926) N GREENWICH 91-9¼ N Steiner. Two-story and basement frame (2) flats.
Owner—N. Paris, 2315 Greenwich St., San Francisco.
Architect — A. Spingola, 2663 Greenwich St., San Francisco.
Contractor—A. Spingola and T. Tomassini, 2646 Greenwich St., San Francisco. $5000

FRAME FLATS
(927) NE POTRERO AVE. AND 17th St. Two-story and basement frame (4) flats.
Owner—M. Dettling, 386 Utah St., San Francisco.
Architect—E. E. Young, 251 Kearny St., San Francisco.
Contractor—F. A. Holdener, 386 Utah St., San Francisco. $10,000

FRAME FLATS
(928) N SEVENTEENTH 48 E Potrero Ave. Two-story and basement frame (4) flats.
Owner—M. Dettling, 386 Utah St., San Francisco.
Architect—E. E. Young, 251 Kearny St., San Francisco
Contractor—F. A. Holdener, 386 Utah St., San Francisco $10,000

DWELLINGS
(931) E TWENTY-FIFTH AVE 100 & 125 N Geary. Two one-story and basement frame dwellings.
Owner—J. Anderson, 3681 16th Ave., San Francisco.
Architect—None
Contractor—Meyer Bros., 5328 Geary St., San Francisco. $5000 each

ALTERATIONS
(933) NO. 121-123 CLEMENT. Raise and make general alterations and repairs for store and flats.
Owner—James H. Heney, Premises.
Architect—None.
Contractor—G. Moriconi, 2200 Larkin St., San Francisco. $8000

RESIDENCES
(941) E SAN FERNANDO WAY 35, 75 and 155 N Darien Way. Three 2-story and basement frame residences.
Owner—O. M. Hueter, 805 Flatiron Bldg., San Francisco.
Architect—Harold G. Stoner, First National Bank Bldg., S. F.
Contractor—Boxton & Zwieg, 809 Flatiron Bldg., S. F. $5000 each

RESIDENCE
(942) W THIRTY-SIXTH AVE 75 N Cabrillo. Two-story and basement frame residence.
Owner—Roy A. Pratt, 7140 Geary St., San Francisco.
Architect—None.
Day's work. $3000

FRAME FLATS
(943) W FRANKLIN 100 N Chestnut N 25xW 100. All work except lighting fixtures, shades and finish hardware, wall beds and gas radiators for two-story and basement frame (2) flats.
Owner—Anna & Fred Thies, 2050 Greenwich St., San Francisco.
Architect—Paul F De Martini, 946 Broadway, San Francisco.
Contractor — John Harder, 870 39th Ave., San Francisco.
Filed Mar. 9, '22. Dated Mar. 4, '22.
Frame up $2600
Brown coated 2600
Completed and accepted..... 2625
Usual 35 days..... 2625
TOTAL COST, $10,450
Bond, $5225. Sureties, The Fidelity & Casualty Co. Limit, 90 days after Mar. 12. Forfeit, none. Plans and specifications filed.

FRAME FLATS
(944) E JONES 62-6 S Lombard S 25 xE 87-6. All work except lighting fixtures and shades for two-story and basement frame (2) flats.
Owner—Mrs. Katie Hall.
Architect—Paul F. De Martini, 946 Broadway, San Francisco.
Contractor—G. Chiappa & L. Coppellotti, 615 Broadway, S. F.
Filed Mar. 9, '22. Dated Mar. 6, '22.
Frame up $2248
Brown coated 2250
Completed and accepted..... 2250
Usual 35 days 2250
TOTAL COST, $8998
Bond, $4500. Sureties, Frank Cuneo and Louis Segale. Limit, 90 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Mar. 9, 1922—SW FILBERT AND Jones W 137-6 S 137-6 W 50 S 137-6 E 142-6 N 137-6 E 45 N 137-6. Union Terrace (a cptn) to A Knowles and A W Lawson.....
.....March 6, 1922

Mar. 9, 1922—NE FIRST 275 SE Market SW 91-8 xNE 137-6. Mercantile Trust Co Tr Horace Davis and Norris K Davis to Clarence M Moore & M P Madsen. Mar. 7, 1922

Mar. 9, 1922—N FOURTEENTH AVE 274 N Cabrillo N 25xW 137-6. Nels P Johnson to whom it may concern ..... Mar. 9, 1922

Mar. 9, 1922—E TWENTY-NINTH Ave 250 N Anza N 25xE 120 Martha K Henderson to Thos Hamill.....Feb 14, 1922

Mar. 9, 1922—E LEAVENWORTH 68-9 N Sutter N 68-9xE 137-6. McKillop Bros to whom it may concern.....Mar. 2, 1922
Mar. 9, 1922—E TWENTY-NINTH Ave 200 and 225 S Clement. Meyer Bros to whom it may concern.....Mar. 8, 1922
Mar. 8, 1922—W CAPP 130 S 25th S 42xW 115. Edmond S Knarston to E J Montgomery.....Mar. 7, 1922
Mar. 8, 1922—E TWENTY-FOURTH Ave 300 N Geary N 25xE 120. Jonathan Anderson to Theodore C and Rollin E Meyer.....Mar. 7, 1922
Mar. 7, 1922—S PINE 87-6 E Jones E 50xS 137-6. Mary Rocca to J Martinelli.....Mar. 6, 1922
Mar. 7, 1922—S WASHINGTON 137-6 E Maple E 96-3xS 127-8¼. Jno L and Hattie C Deahl to Jno L Deahl and J Harold Johnson.....March 7, 1922
Mar. 6, 1922—N CABRILLO 80 W 2nd Ave W 40xN 120. H F Kraushopf to whom it may concern.Mar. 6, 1922
Mar. 4, 1922—LOT 12 BLK 16, Santa Clara Ave in St. Francis Wood. Fletcher M Slosson to Morrow & Garren.....Mar. 4, 1922
Mar. 4, 1922—E TWENTY-NINTH Ave 75 S California being No. 314 and 316 29th Ave. C H Woods to whom it may concern....Mar. 4, 1922
Mar. 3, 1922—E TWENTY-FOURTH Ave 100 S Geary S 25xE 120. Arthur M Hardy to whom it may concern.....Mar. 3, 1922
Mar. 3, 1922—S ALVARADO 80 E Castro E 25xS 52. August Iten to whom it may concern...Mar. 3, 1922
Mar. 3, 1922—NE FIRST 275 SE Market SE 91-8xNE 137-6. Norris K Davis and Mercantile Trust Co, Trs Estate Horace Davis to Scott Co and A Quandt & Son....Mar. 1, 1922
Mar. 3, 1922—E TWENTY-FOURTH Ave 150 S Geary S 25xE 120. Julia A and P J Phelan to P J Phlean .....Mar. 1, 1922
Mar. 3, 1922—LOT ON WEST SIDE 1st, 107 on 1st and 75 on Clementina. Manufacturers Bldg Corp to F D Boese.....Mar. 3, 1922
Mar. 3, 1922—NE HOWARD & FIFTH S 155xE 100. Pacific Gas & Electric Co to Mission Concrete Co .....Mar. 2, 1922
Mar. 2, 1922—S LAKE 32-6 W Eighth Ave W 25xS 75. Jakabine Larsen to whom it may concern.Mar. 2, 1922

LIENS FILED

SAN FRANCISCO COUNTY

Recorded **Amount**

Mar. 6, 1922—SE STANYAN AND Waller E 131-3 S 100 W 25 N 25 W 106-3 N 75. G Orsi Co vs Jasper A Yoakam and Walter L Hogan $1189.99
Mar. 4, 1922—W GRANT 104-6 S Jackson S 33xW 100. Mission Lumber Co vs G Blumm, Pacific Sales Co and Maurice Rosenthal...$127.14
Mar. 6, 1922—NW MARKET 61-3 NE Hayes NE 50xNW 100. G Orsi Co vs Walter L Hogan and Geo E Hart $3118.28
Mar. 6, 1922—S CLAY 103-1½ E Grant Ave E 34-4½xS 70-6. John J Leonard vs Charlie Moy..$16,097.59
Mar. 3, 1922—NW SILLIMAN AVE 22 SW Brussell SW 22-6xNW 100. Wayne Millwork and Lumber Co vs Joseph Blum, Wm Schaffer and Margaret F M Coffey.....$59.85
Mar. 3, 1922—E BRYANT 50 S 26th S 25xE 100. Wayne Millwork and Lumber Co vs W E Von Krahau $260.43

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded **Amount**

Mar. 8, 1922—S PACIFIC 87-9 E Larkin S 137-6. P Grassi & Co to H Dragon & Co and Jno Spargo..
Mar. 4, 1922—N SEA CLIFF AVE, if produced W in present course dist S 83° 32′ W 429.23 from SW Cor. Lot 76 N 30° 23′ W 155.47 th N 88° E 50.015 S 3° 23′ E 151.575 m or l to N Sea Cliff Ave, if produced as aforesaid th S 83° 32′ W and along N Sea Cliff Ave 50.073. Thos Day Co to Ney Wolfskill .....

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Mar. 7, 1922—W THIRD & NATOMA 60x140. Isidor Schwartz, A Aronson L Alexander and M Alexander as to improvements on property.....
Mar. 7, 1922—S SUTTER 85 W Taylor W 75-9 S 80 E 0-4 S 57-6 E 22-11 N 37-6 E 52-6 N 100. Harry B Allen as to improvements on property...
Mar. 7, 1922—S HOWARD bet. 2nd and 3rd, No. 681 Howard. Dr H H Look and Esther E Black as to improvements on property.....
Mar. 7, 1922—LOT 28 and W ½ Lot 29 Blk 3 Lakeview. The McCarthy Co as to improvements on property
Mar. 4, 1922—W FILLMORE 87-6 N Pine N 50 W 137-6 S 37-6 E 50 S 12-6 E 87-6. Louise D Underhill as to improvements on property.

BUILDING CONTRACTS

ALAMEDA COUNTY

$2,500 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
906	Hannon	Owner	4900
908	Spunt	Owner	3000
909	Warner	Owner	12000
910	Ogier	Carson	5000
911	Gow	Carson	5000
912	Vlerick	Owner	3000
913	Short	Owner	4500
915	Shell	Owner	980
918	Elks	Kochendorfer	13711
919	Poey	Petersen	4600
920	Second Chr.	Vogt	24813
922	Evers	Nelson	4000
923	Roseberg	Holloway	5200
924	York	Owner	2500
925	Scott	Walker	12000
927	Isaacs	Owner	3750
928	Myres	Owner	2500
930	Calcu	——	3000
931	P G & E	Tibbitts	45490
932	Brazier	Owner	2500
933	Porter	Owner	3000
935	Brownd	Lundgren	2260
937	Lacazette	McPherson	6200
941	Commary	Owner	5000
942	Elliott	Petersen	9761
943	Davis	Langtry	7000
944	Beach	Owner	2500
945	Rasmussen	Jensen	4500
946	Haskins	Owner	2675
947	Pleitner	Wells	3000
948	Diehl	Cuthbertson	14749
949	P G & E	Bosen	2200
950	Glasgow	Owner	3000
951	Rother	Butzh	3750
952	Felter	Doyle	4250
953	Moser	Betz	5000
954	Langry	Nunes	5000
955	Hudson	Owner	3500
956	Rouse	Burks	3900
957	Mullens	Kennedy	4500
958	Debendetti	Valente	6000
959	Walker	Belcher	6000
960	Wood	Wood	3500
961	Mattis	Valleroy	2960
963	Baxter	McOscar	3000
964	Hillen	Owner	3500
965	Hillen	Owner	3500
967	Barrera	Valleroy	2900
969	Hinch	Owner	3000
972	Murnik	Hollenbeck	4000
973	Folkenberg	Owner	4500
975	Moyle	Blabon	2250
977	White	Owner	4500
979	Rowley	Williams	4000
980	Wratten	Attebery	3760
981	Parsons	Owner	3000
982	Byrne	Bartlett	4000
983	Crane	Owner	4500
984	Ebert	Segen	6000
985	Carlson	Owner	3000
986	Ore	Irish	4500
987	Woodburn	Owner	8000
988	Turrell	Stolte	12500
991	Miller	Stanley	3000
992	Samuelson	Van Ness	2700
994	Minier	Oakland	7500
996	Hengen	Muller	17500
997	Blackman	Flittner	13000
998	Dewell	Mollath	419
999	Stearns	Stewart	3000
1001	Noble	Owner	5000
1002	Porep	Rockingham	10000
1004	Ninekirk	Ninekirk	3500
1007	Marquet	Owner	3000
1011	Werner	Owner	2000
1012	Kelly	Johnson	4000
1013	Muther	Owner	3250
1014	Marquis	Owner	3500
1016	Swift	Owner	2800
1018	Orton	Orton	3750
1019	Nelson	Owner	3000
1020	Gold	Owner	2500
1021	Struggibinetti	Owner	3000
1022	Brasch	Owner	4000
1023	Leonard	Owner	4000
1025	Regents	McGowan	24,987
1026	Regents	Makin	14390
1027	Regents	California	2772
1028	Regents	West	34723

DWELLING
(906) NO. 1916 MONTEREY ST., Berkeley. One-story 6-room dwlg.
Owner—Hans A. Hannon, 1747 Grove St., Berkeley.
Architect—None.
Day's work. $4900

DWELLING
(908) NO. 1631 PARKER ST., Berkeley. One-story 5-room dwlg.
Owner—Ortzon Spunt, 1804 San Pablo Ave., Berkeley.
Architect—None.
Day's work. $3000

DWELLINGS
(909) S ALLENDALE AVE 115. 155. 195 and 235 W High, Oakland. Four one-story 5-room dwellings.
Owner—S. A. Warner, 351 12th St., Oakland.
Architect—None.
Day's work. $3000 each

DWELLING
(910) N ALMA AVE 50 W Chatham Road, Oakland. One and one-half-story 6-room dwelling.
Owner—Francis Ogier.
Architect—None.
Contractor—John Carson, 50 Yosemite Ave., Oakland. $5000

DWELLING
(911) N ALAMA AVE 80 W Mathews Ave., Oakland. One-story 6-room dwelling.
Owner—Scott Gow.
Architect—None.
Contractor—John Carson, 50 Yosemite Ave., Oakland. $5000

DWELLING
(912) SE BROOKDALE & PERALTA, Oakland. One-story 5-room dwlg.
Owner—August Vlerick, 2936 Peralta Ave., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(913) N CROFTON AVE 432 W Boulevard Way, Oakland. One-story 6-room dwelling.
Owner—Louise H. Short, 574 Rosal Ave., Oakland.
Architect—None.
Contractor—C. W. Short. $4500

RECREATION BLDG.
(918) N SANTA CLARA AVE 200 W Oak W 150 N 207-8 W 50 N 207-8 E 150 S 157-8 E 67 S 50 W 17 S 207-8, Alameda. All work for rereation building.
Owner—Elks Hall Assn. of Alameda 2255 Santa Clara Ave., Alameda

Architect—Harvey J. Thompson, Syndicate Bldg., Oakland.
Contractor—Leo F. Kochendorfer, 2204 Lincoln Ave., Alameda.
Filed Mar. 3, '22. Dated Feb. 20, '22.
Frame up $3430.25
Enclosed 3430.25
Completed 34302.5
30 days after 3420.25
TOTAL COST, $13,711.00
Bond, $7500. Sureties, Olaf Riechel, John H. Wilkens and Hugh C. Gallagher. Limit, 60 days. Forfeit, none. Plans and specifications filed.

STORE BLDG.
(919) S FOOTHILL BLVD. 97.03 W 34th Ave 48x60, Oakland. All work for one-story store bldg.
Owner—Jean Poey, 3347 Foothill Blvd Oakland.
Architect—None.
Contractor — James B. Petersen, 2053 38th St., Oakland.
Filed Mar. 3, '22. Dated Mar. 2, '22.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $4600
Bond, none. Limit, 60 days from Mar. 6. Forfeit, $1. Plans and specifications none.

CHURCH
(920) W OXFORD 102.07 S Virginia W 136.5 S 150, Berkeley. Frame church.
Owner — Second Church of Christ Scientists.
Architect—William Arthur Newman, Postoffice Bldg., San Francisco.
Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco.
Filed Mar. 3, '22. Dated Mar. 2, '22
Roof sheathed $6,200
Primed 6,200
Completed and accepted..... 6,200
Usual 35 days..... 6,218
TOTAL COST, $24,818
Bond, $12,409. Sureties, Peter Bradley and H. W. Gaetjen. Limit, June 24, 1922. Forfeit, $10.00 day. Plans and specifications filed.

DWELLING
(922) N E-TWENTY-EIGHTH 40 E Bay View Ave., Oakland. One-story 5-room dwelling.
Owner—Geo. W. Evers.
Architect—None.
Contractor—Nelson & Conrad, 1418 Willow St., Alameda. $4000

DWELLING
(923) NE FORTY-EIGHTH AVE AND Bond Oakland. Two-story 8-room dwelling.
Owner—Aug. Roseberg, 1712 48th Ave., Oakland.
Architect—None.
Contractor—Geo. K. Holloway Sr., 1502 56th Ave., Oakland. $5200

DWELLING
(924) S HOLWAY 250 E 55th Ave., Oakland. One-story 5-room dwlg.
Owner — J. B. York, 1230 75th Ave., Oakland.
Architect—None.
Day's work $2500

APARTMENTS
(925) S MONTELL 100 E Piedmont, Oakland. Two-story 16-room apts.
Owner—B. T. Scott, 128 Ricardo Ave., Piedmont.
Architect—None.
Contractor—S. C. Walker, 3231 Boston Ave., Oakland. $12,000

DWELLING
(927) S MAXWELL AVE 80 E Brookdale, Oakland. One-story 5-room dwelling.
Owner—Harry W. [illegible], 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLING
(928) S PLEASANT VALLEY AVE 300 E Piedmont, Oakland. One-story 5-room dwelling.
Owner—R. M. Myres, 26 Estrella Ave., Piedmont.
Architect—None.
Day's work. $2500

BOILER ROOM
(930) NO. 730 TWENTY-NINTH ST., Oakland. One-story brick boiler room.
Owner—Calou Estate, Premises.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F. $3000

GAS HOLDER
(931) E MARKET 481 S First S 200x E 100, Oakland. Foundation for gas holder.
Owner—Pacific Gas & Electric Co.
Architect—None.
Contractor — Tibbitts-Pacific Co., 16 California St., San Francisco.
Filed Mar. 4, '22. Dated Feb. 23, '22.
Each month 75%
Usual 35 days..... 25%
TOTAL COST—Excavating, 84c cu. yd.; piling and concrete work, $45,490
Bond, $25,000. Surety, Fidelity & Deposit Co. Limit, March 29. Forfeit, $100. Plans and specifications filed.

DWELLING
(932) NO. 1533 BRENA ST., Berkeley. One-story 5-room dwelling.
Owner—Jas. W. Brazier, 1912 Blake St., Berkeley.
Architect—None.
Day's work. $2500

DWELLING
(933) NO. 1735 CEDAR ST., Berkeley. One-story 5-room dwelling.
Owner—H. H. Porter, 2616 Cedar St., Berkeley.
Architect—None.
Day's work. $3000

SHOP
(937) NO. 3022 BROADWAY, Oakland. One-story brick machine shop.
Owner—Eugene Lacazette.
Architect—None.
Contractor—S. W. McPherson, 2151 Ashby Ave., Berkeley. $6200

DWELLING
(941) SE FIFTY-FIFTH AND GENOA Sts., Oakland. One-story 6-room dwelling.
Owner — W. E. Commary, 814 Hayes St., San Francisco.
Architect—None.
Day's work. $5000

APARTMENTS
(942) SE HARRINGTON AND SAN Juan, Oakland. Two-story 12-room apartments.
Owner—A. E. Elliott.
Architect—None.
Contractor—J. B. Petersen, 2023 38th Ave., Oakland. $9761

FLATS
(943) E KINGSLEY AVE 100 N Hopkins, Oakland. Two-story 11-room flats.
Owner—Mrs. Hilda Davis, 826 36th St., Oakland.
Architect—None.
Contractor—J. R. Laughty, 739 Alleen St., Oakland $7000

DWELLING
(944) W LAUREL AVE. 65 S Kansas, Oakland One-story 5-room dwelling.
Owner—Beach & Noble, 3060 Kansas St., Oakland.
Architect—None.
Day's work. $2500

DWELLING
(945) NE RIDGEWAY AVE. AND Montgomery, Oakland. One-story 6-room dwelling.
Owner—Carl Rasmussen, Oakland.
Architect—None.
Contractor—Jensen & Petersen, 3411 Adeline St., Oakland. $4500

DWELLING
(946) S REDDING 100 W Loma Vista, Oakland. One-story 4-room dwelling.
Owner—S. T. Hauskins, 3471 39th Ave., Oakland.
Architect—None.
Day's work. $2675

DWELLING
(947) W THIRTY-SIXTH AVE. 446 S E-16th St., Oakland. One-story 5-room dwelling.
Owner—H. A. Pleitner, 2919 E-16th St., Oakland.
Architect—None.
Contractor—F. P. Wells, 4034 Porter St., Oakland. $3000

BUILDING
(948) N FIRST thence N on E Franklin St. 75 E 75, Oakland. Two-story class C building.
Owner—F. W. Diehl, Franklin and 3rd Sts., Oakland.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—Thos. A. Cuthertson, 1766 12th Ave., San Francisco.
Filed Mar. 6, '22. Dated Mar. 4, '22
1st and 15th each month.....75%
Usual 35 days.....25%
TOTAL COST, $14,749
Bond, $7,400. Sureties, J. H. McCallum and E. O. Benner. Limit, none. Forfeit, $7.50 day. Plans and specifications filed.

PLASTERING
(949) PTN PLOT "F" Undivided Mountain or Hill Land V & D Peralta, Oakland. Exterior plastering on sub-station.
Owner—Pacific Gas & Electric Co.
Architect—None.
Contractor—Hermann Bosch, 180 Jessie St., San Francisco.
Filed Mar. 6 22. Dated Feb. 28, '22.
Completed 75%
Usual 35 days.....25%
TOTAL COST, $2200
Bond, $1100. Surety, Fidelity & Deposit Co. Limit, 30 days. Forfeit, none. Plans and specifications filed

DWELLING
(950) SE ARLINGTON AND SAN LUIS Ave., Berkeley. Two-story 6-room dwelling.
Owner—W. G. Glasgow, 2436 Durant Ave., Berkeley.
Architect—None.
Day's work. $3000

DWELLING
(951) NO. 1706 MARIN AVE., Berkeley One-story 5-room dwelling.
Owner—J. E. Rother, 2108 Center St., Berkeley.
Architect—None.
Contractor—O. H. Eutzh, 1315 66th St., Berkeley. $3750

DWELLING
(952) NO. 1614 McGEE, Berkeley. One-story 5-room dwelling.
Owner—R. C. Felter, P. O. Box 84, Berkeley
Architect—None.
Contractor—C. A. Doyle, P. O. Box 84, Berkeley $4250

DWELLING
(953) NO. 1908 NAPA, Berkeley. Two-story 6-room dwelling
Owner—S. Moser, 1923 Fresno St., Berkeley.
Architect—None.
Contractor—C. G. Petz, 1536 Delaware St., Berkeley. $5000

DWELLING
(954) NO. 1035 SIERRA, Berkeley. One-story 5-room dwelling.
Owner—J. C. Langry
Architect—None.

Contractor—Geo. W. Nunes, 5430 Dover St., Oakland. $5000

DWELLING
(955) W ATHOL AVE. 40 S Brooklyn, Oakland. One-story 6-room dwelling.
Owner—Charles Hudson, 3524 Meadow St., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(956) N APGAR 590 E San Pablo, Oakland. One-story 6-room dwelling.
Owner—A. Rouse.
Architect—None.
Contractor—C. E. Burks, 4129 Randolph Ave., Oakland. $3900

ADDITION
(957) NO. 5824 CHABOT ROAD, Oakland. Addition and erect garage.
Owner—Frank D. Mullins, premises.
Architect—None.
Contractor—F. T. Kennedy, 434 9th St., Oakland. $4500

DWELLINGS
(958) N CAVOUR 100-136 E Claremont Two 1-story 5-room dwellings.
Owner—G. Debendetti, 4721 Telegraph Ave., Oakland.
Architect—None.
Contractor—M. E. Valente, 1015 Channing Way, Berkeley. $3000 each

DWELLING
(959) N CLARENDON CRESCENT 800 E Mandana Blvd., Oakland. Two-story 7-room dwelling.
Owner—Clinton L. Walker, 650 Highland Ave., Piedmont.
Architect—None.
Contractor—R. T. Belcher, 105 York Drive, Piedmont. $6000

DWELLING
(960) S EL CAMILE AVE 310 W 55th Ave., Oakland. One-story 6-room dwelling.
Owner—W. M. Wood.
Architect—None.
Contractor—Wood & Matheyer, 1369 Hopkins, Oakland. $3500

DWELLING
(961) N EAST SIXTEENTH 30 E 36th Ave., Oakland. One-story 5-room dwelling.
Owner—A. M. Mattis, 1034 34th Ave., Oakland.
Architect—None.
Contractor—H. L. Valleroy, 3636 Maple Ave., Oakland. $2960

DWELLING
(963) S EAST TWENTY-THIRD 170 W. Peralta Ave., Oakland. One-story 4-room dwelling
Owner—Lester S. Baxter, 2936 E-19th St., Oakland.
Architect—None.
Contractor—W. H. McOscar, 3301 E-23rd St., Oakland. $3000

DWELLING
(964) S FOOTHILL BLVD. 220 E Vicksburg, Oakland. One-story 5-room dwelling.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(965) N FOOTHILL BLVD. 90 W 51st Ave., Oakland. One-story 5-room dwelling.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(967) N LYON AVE. 325 W High, Oakland. One-story 4-room dwelling
Owner—R. E. Berrera.
Architect—None.
Contractor—H. L. Valleroy, 3636 Maple Ave., Oakland. $2900

DWELLING
(969) N NEVIL 147 W 38th Ave., Oakland. One-story 5-room dwelling.
Owner—Jos. T. Hinch, Federal Bldg., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(972) E PARK BLVD 60 S Greenwood, Oakland. One-story 5-room dwelling.
Owner—Mabel Murnik.
Architect—None.
Contractor—G. B. Hollenbeck, 3084 Richmond Blvd., Oakland. $4000

DWELLING
(973) W RANSOME AVE 200 N Carrington, Oakland. Two-story 6-room dwelling.
Owner—C. F. Folkenberg, 2043 Rosedale Ave., Oakland.
Architect—None.
Day's work. $4500

DWELLING
(977) SE THIRTY-EIGHTH AND Linden, Oakland. One-story 5-room dwelling.
Owner—R. C. White, 607 25th St., Oakland.
Architect—None.
Day's work. $4500

DWELLING
(979) W VALLE VISTA 120 S Sunnyslope, Oakland. One-story 5-room dwelling.
Owner—R. L. Rowley, 645 Valle Vista, Oakland.
Architect—None.
Contractor—Chas. C. Williams, 1524 Franklin St., Oakland. $4000

DWELLING
(980) LOT 11 BLK "C" Piedmont Heights Tract, Oakland. All work for one-story and basement frame dwelling.
Owner—A. D. and Elizabeth Wratten, San Francisco.
Architect—None.
Contractor—A. R. Attebery, 2039 42nd Ave., Oakland.
Filed Mar. 7, '22. Dated Mar. 7, '22.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
21 days after..... ¼
TOTAL COST, $3760
Bond, none. Limit, 120 days. Forfeit, $10. Plans and specifications filed.

DWELLING
(981) NO. 1136 FRANCISCO, Berkeley. One-story 5-room dwelling.
Owner—S. C. Parsons, 692 25th St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(982) NO. 1315 OXFORD ST., Berkeley One-story 6-room dwelling.
Owner—Miss Byrne, 1313 Oxford St., Berkeley.
Architect—None.
Contractor—John M. Bartlett, 1706 Parker St., Berkeley. $4000

DWELLING
(983) NO. 1541 OXFORD ST., Berkeley One-story 6-room dwelling.
Owner—C. B. Crane, 2695 Cedar St., Berkeley.
Architect—None.
Day's work. $4500

DWELLING
(984) NO. 2767 PINE ST., Berkeley. Two-story 7-room dwelling.
Owner—Mrs. R. G. Ebert, 327 62nd St., Berkeley
Architect—None.
Contractor—Seizer & Co., 2055 Santa Clara Ave., Alameda. $6000

DWELLING
(985) NO. 1619 PARKER ST., Berkeley. One-story 5-room dwelling
Owner—H. Carlson, 1627 Parker St., Berkeley.
Architect—None.
Day's work. $3000

DWELLING
(986) S E ST. 300 E 92nd Ave., Oakland. One-story 6-room dwelling.
Owner—Joseph Ore, 9321 E St., Oakland.
Architect—None.
Contractor—H. E. Irish, 2214 Clement Ave., Alameda. $4500

DWELLINGS
(987) W EDGEWOOD 275 and 400 N El Centro, Oakland. Two 1-story 6-room dwellings.
Owner—P. E. Woodburn, 3965 Greenwood Ave., Oakland.
Architect—None.
Day's work. $4000 each

DWELLING
(988) N FLORIDA AVE. 200 E Circle, Oakland. Two-story 7-room dwelling.
Owner—H. N. Turrell, London Court Apartments, Oakland.
Architect—John Hudson Thomas, First National Bank Bldg., Oakland.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland. $12500

DWELLING
(991) S LOCKWOOD 147 W 73rd Ave., Oakland. One-story 6-room dwelling.
Owner—G. E. Miller, 7217 Lockwood, Oakland.
Architect—None.
Contractor—C. B. Stanley, 1509 50th Ave., Oakland. $3000

DWELLING
(992) W MIDVALE AVE. 160 N California, Oakland. One-story 5-room dwelling.
Owner—Alex Samuelson, 3500 Hopkins St., Oakland.
Architect—None.
Contractor—L. E. Van Ness, 433-A R. F. D. No. 1, Oakland. $2700

APARTMENT HOUSE
(994) W THIRTY-FOURTH AVE. 61 N E-16th St., Oakland. Two-story 12-room apartments.
Owner—Jos. Minier, 2325 Hughes Ave., Oakland.
Architect—None.
Contractor—Oakland Building Co., 308 12th St., Oakland. $7500

GARAGE
(996) W WEBSTER 380 S 21st, Oakland. One-story brick garage.
Owner—D. B. Hengen, 431 Lagunitas, Oakland.
Architect—None.
Contractor—F. A. Muller, Syndicate Bldg., Oakland. $17,500

APARTMENT HOUSE
(997) W WESLEY AVE. 75 S Brooklyn Ave., Oakland. Two-story 18-room apartments.
Owner—E. L. Blackman.
Architect—None.
Contractor—Jos. Flittner, 1700 35th Ave., Oakland. $13,000

DWELLING
(998) NO. 830 SANTA BARBARA RD., Berkeley. Brick work for frame dwelling.
Owner—H. D. Dewell, 1400 Scenic Ave., Berkeley.
Architect—Joseph J. Rankin, First National Bank Bldg., San Francisco.

Contractor—C. Mollath, Jr., 2311 Jefferson St., Oakland.
Filed Mar. 8, '22. Dated Mer. 7, '22
Monthly payments 75%
Usual 35 days 25%
TOTAL COST, $419
Bond, none. Limit, none. Forfeit, none. Plans and specifications filed.

DWELLING
(1999) OAKLAND AVE. near Jerome Ave., Piedmont. One-story 6-room dwelling.
Owner—Stearns Co.
Architect—None.
Contractor—J. B. Stewart. $3000

DWELLINGS
(1001) NO. 1631 AND 1632 DORIS Court, Alameda. Two one-story 1-room dwellings.
Owner—Geo. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. $2500 each

APARTMENTS
(1002) NO. 1501 ENCINAL AVE., Alameda. Two-story 12-room apartments.
Owner—Chas. S. Perep, 1838 Alameda Ave., Alameda.
Architect—None.
Contractor — J. H. Rockingham, 2366 San Jose Ave., Alameda. $10,000

DWELLING
(1004) NO. 1810 PACIFIC AVE., Alameda. One-story 5-room dwlg.
Owner—E. Ninekirk, Premises.
Architect—None.
Contractor—C. P. Ninekirk, Prem. $3500

DWELLING
(1007) NO. 3135 REGENT ST., Alameda One-story 5-room dwelling.
Owner—C. Marquet, 1519 Broadway, Alameda
Architect—None.
Day's work. $3000

DWELLING
(1012) NO. 2512 HILLEGASS AVE., Berkeley. Two-story 5-room dwlg.
Owner—Wm. Kelly, 2538 Hillegass Ave., Berkeley.
Architect—None.
Contractor — Albert N. Johnson, 1727 Stuart St., Berkeley. $1000

DWELLING
(1013) NO. 1631 POSEN ST., Berkeley. One-story 5-room dwelling.
Owner—G. W. Mulher, 347 41st St., Oakland.
Architect—None.
Day's work. $3250

DWELLING
(1014) NO. 1804 SONOMA ST., Berkeley. One-story 6-room dwlg.
Owner — P. E. Marquis, 1023 Oxford St., Berkeley.
Architect—None.
Day's work. $3500

DWELLING
(1016) N BOND 40 W 51st Ave., Oakland. One-story 5-room dwelling
Owner—H. Swift, 1100 13th Ave., Oakland.
Architect—None.
Day's work. $2800

DWELLING
(1018) N FOOTHILL BLVD 150 E Bighie, Oakland. One-story 5-room dwelling.
Owner—A. E. Orton.
Architect—None.
Contractor—A. E. Orten & Co., 3336 68th Ave., Oakland. $3750

DWELLING
(1019) NE FIFTY-FOURTH & MARket, Oakland. One-story 5-room dwelling.
Owner—E. W. Nelson, 616 17th St., Oakland.
Architect—None.
Day's work. $3000

ALTERATIONS
(1020) NO. 452-56 HOBART, Oakland. Alterations.
Owner—J. Gold, 1801 Webster St., Alameda.
Architect—None.
Day's work. $2500

DWELLING
(1021) W NINETIETH AVE. 30 S Holly, Oakland. One-story 5-room dwelling.
Owner—F. Struggibinetti, 6029 California St., San Francisco.
Architect—None.
Day's work. $3000

DWELLING
(1022) S PLEASANT VALLEY 250 E Piedmont, Oakland. One-story 5-room dwelling.
Owner—M. P. Brasch, 2734 Ashby Ave., Berkeley.
Architect—None.
Day's work. $4000

DWELLING
(1023) NE SPRUCE AND PARK Blvd., Oakland. One-story 6-room dwelling.
Owner—E. B. Leonard, 589 Kenmore Ave., Alameda.
Architect—None.
Day's work. $4000

STORE
(1024) NW TWENTIETH & FRANKlin, Oakland. One-story store.
Owner—Wack Bros., Easton Bldg., Oakland.
Architect—None.
Day's work. $750

BUILDING
(1025) UNIVERSITY OF CALIFORnia grounds. Tile and brick work for students' union building.
Owner—Regents of University of California.
Architect—John Galen Howard, First National Bank Bldg., S. F.
Contractor—M. B. McGowan, 180 Jessie St., San Francisco.
Filed Mar. 8, '22. Filed Feb. 10, '22
Monthly payments 75%
Usual 35 days.....25%
TOTAL COST, $24,987
Bond, $12,500. Surety, Aetna Casualty & Surety Co. Limit, May 10, 1922. Forfeit, $50.00 day. Plans and specifications filed.

(1026) INTERIOR PLASTERING on above.
Contractor—Wm. Makin, 1018 Excelsior St., Oakland.
Filed Mar. 8, '22. Dated Feb. 11, '22
Payments same as above.
TOTAL COST, $14,390
Bond, $7,195. Surety, Globe Indemnity Co. Limit, June 5, 1922. Forfeit, $50 day. Plans and specifications filed

(1027) CAST AND WROUGHT METAL work on above
Contractor—California Artistic Metal & Wire Co., 343 7th St., S. F.
Filed Mar. 8, '22. Dated Feb. 11, '22
Payments same as above
TOTAL COST, $2772
Bond, $1400. Surety, National Surety Co. Limit, May 1. Forfeit, $50. Plans and specifications filed

(1028) CARPENTRY WORK ON above
Owner—West Coast Construction Co., Clunie Bldg., San Francisco.
Filed Mar. 8, '22. Dated Feb. 11, '22
TOTAL COST, $34,721
Bond, $17,362. Surety, New Amsterdam Casualty Co. Limit, July 8. Forfeit, $50. Plans and specifications filed

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted

Mar. 9, 1922—NO. 462 SMALLEY AVE Hayward. B J Perry to whom it may concern.....Mar. 7, 1922

Mar. 9, 1922—SEVENTH bet. Chestnut and Filbert Sts., Oakland. S P Co to Hutchinson Co...Mar. 9, 1922

Mar. 9, 1922—SHATTUCK AVE bet University Ave and Center, Berkeley. S P Co to Hutchinson Co .....Mar. 8, 1922

Mar. 9, 1922—PTN LOTS 7 AND 8, Lakesnore Glen Track, Oakland. J K Pattee to Harry Schwalm... .....Mar. 7, 1922

Mar. 9, 1922—S AGUA VISTA AVE 95 E 38th Ave being No 3927, Oakland. J W Sigwald to whom it may concern.....Mar. 8, 1922

Mar. 9, 1922—TWELFTH & FRANKlin Sts., Oakland. S P Co to Hutchinson Co.....Mar. 9, 1922

Mar. 9, 1922—(1) W DERBY AVE 30 N E-12th N 5 W 123.38 S 5 E 123.38, (2) W Derby Ave 35 N E-12th N 35 W 123.38, Oakland. George Nelson to J B Peterson..Mar. 3, 1922

Mar. 9, 1922—STANFORD AND SAN Pablo Aves, Oakland. S P Co to Hutchinson Co.....Mar. 8, 1922

Mar. 9, 1922—SEVENTH AND WEBster Sts., Oakland. S P Co to Hutchinson Co.....Mar. 9, 1922

20 Lot 4 Blk 20, Boulevard Park, Oakland. Charles G Burns to whom it may concern..Mar. 8, 1922

Mar. 8, 1922—LOT 53, Piedmont Manor, Piedmont. Sam J Newman to William J Baker Mar. 6, 1922

Mar. 6, 1922—E ACTON 156.92 S Allston Way S 33xE 127, Berkeley. E J Edwards to Aaro Nisca..... .....March 4, 1922

Mar. 7, 1922—LOTS 5 AND 6 BLK 12, Map No. 4, Shattuck Tract, Bkly. R H Allen to Jordan & Zellic.... .....March 6, 1922

Mar. 7, 1922—LOT 9 BLK 10, Map Fourth Avenue Heights, Oakland. R A Russell to whom it may concern.....Mar. 7, 1922

Mar. 7, 1922—N PARK BLVD 116 W Mont Clair Ave W 38 NE 122.69 SE 25.5 SW 112.92, Oakland. L C Fish to Gordon Wiser..Feb. 21, 1922

Mar. 6, 1922—N FOURTEENTH 50 W Harrison, Oakland. Helen M Dille to F A Meier.....Mar. 3, 1922

Mar. 6, 1922—SIXTEENTH ST. STAtion, Oakland. S P Co to Hutchinson Co.....Feb. 25, 1922

Mar. 6, 1922—LOT 22 Map Santa Fe Tract No. 17, Oakland. R J Korte to Frank P Poulter.....Mar. 6, 1922

Mar. 6, 1922—PTN LOTS 34 AND 35 Begier Tract, San Leandro. Olive B Dillard to Harry H Begier ....March 4, 1922

Mar. 6, 1922—NO. 6916 TRENOR ST., Oakland. A B Parker to whom it may concern.....Mar. 6, 1922

Mar. 4, 1922—SE CEDAR ST. AND Euclid Ave, Berkeley. Mary E Kingsley to S J Bertelsen .....March 1, 1922

Mar. 3, 1922—NO 1819 SEVENTH Ave., Oakland. Louis Weiner to Al M Feary Co.....Dec. 30, 1921

Mar. 3, 1922—NO 1819 SEVENTH AV Oakland. Louis Weiner to Rundberg & Whitman.....Dec. 30, 1921

Mar. 3, 1922—LOT 25 BLK 3, Map Rock Ridge Place Okd. Walter D and Margaret B Skinner to E F Henderson.....Feb. 28, 1922

Mar. 3, 1922—LOT 10 BLK 636 2131 being E Harrison 622 N 14th N 78x 150, Oakland. Alliance Land Co. Jessie L Appleton & Nellie E Blood to W C Marshall.....Feb. 24, 1922

Mar. 3, 1922—LOT 16 BLK "F" Map East Piedmont Heights, Oakland. William Oszdorff to Axel Sommerstrom.....Mar. 3, 1922

Mar. 3, 1922—LOT 33 Ardsley Heights, Oakland. Ethyl P Roberts to L M Baird.....Mar. 1, 1922

LIENS FILED

ALAMEDA COUNTY

Recorded Amount

Mar. 9, 1922—LOTS 16, 17, 18 AND E 25 ft Lot 51 Map part of ppty of Chas L Fitch, Alameda. M F Murray vs W C Spencer and Helmar and Lily C Wernmark and Alfred Back $401.01

Mar. 9, 1922—E STUART 175 S E-31st being No. 3020, Oakland. F. M Dreishbach (Zenith Mill and Lumber Co) vs Mrs N Johnson and E E Sabin $87.23

Mar. 8, 1922—LOT 1 BLK "B" Map Waterside Terrace, Alameda. Ray E Johnson (Tri-City Window Shade Co.) vs M E Whitney.....$19

Mar. 8, 1922—S SEVENTH 50 W Campbell W 25xS 100-7¼, Oakland. W P Fuller & Co vs K M Jurjevich and Harry Wessel $151

Mar. 6, 1922—LOT 39 BLK 2, Map Fourth Ave. Heights, Oakland. A E MacMurtry vs A T Hendricks and Myrtle Harmon $182.50

Mar. 6, 1922—LOT 38 BLK 2, Map Fourth Ave Heights, Oakland. A R MacMurtry vs A T Hendricks & Lela and W C Gardner.....$142

Mar. 4, 1922—LOT 1 BLK "B" Map Waterside Terrace, Alameda. Rober Paint Co vs M E Whitney.....$48.44

Mar. 3, 1922—LOTS 13 AND 14 and E ½ Lot 15 Blk "B" Map 3, Re-subdivision portion Hopkins Terrace, Berkeley. Thos H Mullen vs M Ucovich and E W Peacock....$783.26

Mar. 3, 1922—LOT 33 BLK 2, Thousand Oaks Station Tract, Berkeley. Edward W Brodrick vs W H and Blanche Wehrlie.....$297

Mar. 3, 1922—LOT 28 BLK "C" Map Fourth Avenue Terrace, Oakland. Strable Hardwood Co vs A T Hendricks and G P Guyot....$358.93

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount

Mar. 4, 1922—LOT 124 Map Piedmont-by-the-Lake, Oakland. Thos F Rigney to Tillie Carpenter and C W Short $160.50

Mar. 3, 1922—N FIFTY-THIRD 140 W Town of Emeryville W 30xN 166.62, Emeryville. Stege Lumber & Mill Co to J T and Emma Jane Cheslick $101.92

Mar. 3, 1922—LOT 14 AND E 13 LOT 13 Blk 1 Map Lakeshore Highlands, Okd. J F Ellis (National Roofing Co) to F N Strang et al.....$35

Mar. 1, 1922—NE ½ LOT 5 Blk 32, Map Warner Tract, Oakland. Melrose Lumber & Supply Co, $244.69; C L Adams, $132 to L J and Fanny Weinstein and C L Hewitt.....

Notice of Non-Responsibility

ALAMEDA COUNTY

Mar. 6, 1922—LOT 55 Map Resbdvn Blk D Meek Estate Orchards, Eden Tp. H W Meek Estate, Inc as to improvements on property.....

HOMESTEADS

ALAMEDA COUNTY.

Mar. 9, 1922—E MAGNOLIA 186-9 S 26th S 26-9 E 128-3, Oakland. Esther Gustavson (wf G W.)..$3000

Mar. 8, 1922—SW 16 OF NW 110.44 Lot 2 and NE 17 of NW 110.44 Lot 3 Blk "A" Weld Tract, Oakland. Joseph Perasso $4500

Mar. 6, 1922—SW CLIFTON 110 SE Shafter Ave SE 45xSW 65, Oakland. Carolline Lenord (wf Robert)..$5000

Mar. 4, 1922—LOT 5 M E Map No. 2, Buenaventura Tract, Oakland. Ida Showden Lager (wf J C)..$5000

Mar. 4, 1922—LOT 30 BLK 13, Map Northbrae, Berkeley. John Arthur Lind $4000

Mar. 4, 1922—E MINTURN 211 S Lincoln Ave S 32-6xE 88, Alameda. Bertha Hansen (wf Hans).....$3000

Mar. 3, 1922—W PARK AVE 90.34 N Shasta Ave N 50xW 125, Oakland. Florence Gonsalves (wf Joe)..$5000

BUILDING CONTRACTS

SANTA CLARA COUNTY

$1,000 and Over Reported

COTTAGE
SIXTEENTH ST. near Washington, San Jose. Five-room cottage.
Owner—Geo. S. Walker, 556 N-16th St., San Jose.
Architect—None.
Contractor—Thos. L. Martin, 1004 S-Ninth St., San Jose $3000

ALTERATIONS
TWELFTH ST. near Keyes St., San Jose. Alter and repair.
Owner—H. Richter, Premises.
Architect—None.
Day's work. $1500

COTTAGE
ELEVENTH ST. near Julian St., San Jose. Five-room cottage.
Owner—J. Poulsen, 73 Orchard St., San Jose.
Architect—None.
Contractor — Walter Hines, 48 Lester St., San Jose. $2400

COTTAGE
LORAINE ST. near Josefa, San Jose. Five-room cottage.
Owner—A. Biacchi.
Architect—None.
Day's work. $1200

COTTAGES
SIXTH ST., bet. Julian and Washington Sts., San Jose. Two five-room cottages.
Owner—J. H. Long, 364 N-6th St., San Jose.
Architect—None.
Contractor—Clyde Alexander, 26 Randol St., San Jose. $3950 each

APARTMENTS
SIXTEENTH & SANTA CLARA STS., San Jose. Two-story apartment house.
Owner—J. L. Williams.
Architect—C. C. Lewis, 357 S-Fifth St., San Jose.
Contractor—Lewis & Nelson. $13,000

COTTAGE
CLAYTON ST. near San Pedro, San Jose. Five-room cottage.
Owner—Jos. W. Ganong Jr., 72 N-1st St., San Jose.
Architect—None.
Contractor—J. E. Barron, 655 Morse St., San Jose. $5000

SCHOOL
CITY OF CAMPBELL. Lumber and carpenter labor, form and mill work, rough hardware, rough and finished wood floors, etc., except as otherwise noted in specifications for reinforced concrete grammar school.
Owner—Board of Trustees, Campbell-San Tomas Union Grammar School District, Campbell.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Contractor—Fink & Schindler, 226 13th St., San Francisco.
Filed Feb. 21, '22. Dated Feb. 14, '22
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $48,812
Two bonds, $24,406 each. Sureties, Jas H. Pinkerton and W. H. Kirsten. Plans and specifications filed.

SHEET METAL WORK ON ABOVE.
Contractor—Robert Dalziel Jr., 218 1st St., San Francisco.
Filed Feb. 24, '22. Dated Feb. 20, '22.
Payments same as above.....
TOTAL COST, $1550
Two bonds, $775 each. Surety, Globe Indemnity Co. of New York. Plans and specifications filed.

STEEL AND IRON WORK ON ABOVE
Contractor—Fair Mfg. Co., 617 Bryant St., San Francisco.
Filed Feb. 24, '22. Dated Feb. 21, '22.
Payments same as above.....
Two bonds, $952 each. Surety, New Amsterdam Casualty Co. Plans and specifications filed.

GLASS AND GLAZING ON ABOVE.
Contractor—W. P. Fuller & Co., Beale and Mission Sts., San Francisco.
Filed Feb. 24, '22. Dated Feb. 21, '22.
Payments same as above.....
TOTAL COST, $2060
Two bonds, $1030 each. Sureties, F. C. Herrick and H. H. Somers. Plans and specifications filed.

PAINTING WORK ON ABOVE.
Contractor—D. Zelinsky & Sons, 180 Jessie St., San Francisco.
Filed Feb. 24, '22. Dated Feb. 20, '22.
Payments same as above.....
TOTAL COST, $4665
Two bonds, $2,332.50 each. Surety, New Amsterdam Casualty Co. Plans and specifications filed.

FINISHING HARDWARE ON ABOVE.
Contractor—Joost Bros., 3043 16th St., San Francisco.
Filed Feb. 24, '22. Dated Feb. 21, '22.
Payments same as above.....
TOTAL COST, $2598
Two bonds, $1299 each. Surety, Globe Indemnity Co. of New York. Plans and specifications filed.

PLUMBING AND HEATING WORK on above.
Contractor—Carl T. Doell, 467 21st St., Oakland.
Filed Feb. 24, '22. Dated Feb. 21, '22.
Payments same as above.....
TOTAL COST, $15,060
Bond, none. Plans and specifications filed.

FRAME COTTAGE
S CLAYTON AVE, Sycamore Tract, San Jose. All work for one-story frame cottage.
Owner—Frank Cianciarulo, San Jose.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—J. E. Perkins, 1652 E-Santa Clara St., San Jose.
Filed Feb. 28, '22. Dated Feb. 23, '22.
Concrete foundation finished...$1680
Frame up 1680
1st coat plaster on..... 1680
Completion 1680
Usual 35 days..... 1680
TOTAL COST, $8400
Bond, $4500. Sureties, Otto E. Schnabel and A. L. Hubbard. Plans and specifications filed.

RESIDENCE
BOUNDED ON N BY LANDS OF Mrs M. Hogg; W by lands of S. Williams, on E by lands of R. Hogg and on S by Herman Ave., Santa Clara County Concrete, iron, brick, stone, carpenter, joinery, mantels, lathing, plastering, hardware, sheet metal and glazing work for one-story residence.
Owner—Flora B. Kinger, Santa Clara County.
Architect—None.
Contractor—Carl Lindholm, San Jose.
Filed Feb. 28, '22. Dated Feb. 27, '22.
Frame up to roof and rafters on $612.50
1st coat inside plaster on..... 612.50
Completed and notice filed.... 612.50
Usual 35 days 612.50
TOTAL COST, $2450.00

Bond, $1500. Sureties, Edward Nelson and Earl D. Minton. Limit, none. Plans and specifications filed.

WELL
ROUNDHOUSE OF S. P. CO., San Jose. All work for sinking 500-ft. well on property of owner.
Owner—Southern Pacific Co., S. P. Bldg. San Francisco.
Architect—None.
Contractor — J. B. Rogers, 110 Sutter St., San Francisco.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $2110.
Bond, $1600. Sureties, J. A. Talbot and O. H. Fisher. Plans and specifications filed.

APARTMENTS
LOT 1 BLK 31, Naglee Park Tract No. 1, San Jose. All work for two-story (8 apts.) frame and plaster exterior apartment house.
Owner — J. L. Williams, 892 Delmas Ave., San Jose.
Architect—Lewis & Nelson.
Contractor—C. C. Lewis and H. M. Nelson, 357 S-Fifth St., San Jose.
Filed Mar. 1, '22. Dated Feb. 27, '22.
Building enclosed 25%
Brown coat plaster on..... 25%
Completed 25%
Usual 35 days..... 25%
TOTAL COST, $13,500
Bond, $10,000. Sureties, L. J. Balknap and A. E. Place. Limit, none. Specifications only filed.

FRAME BLDG.
SE SANTA CLARA AND ST. MARY'S St., San Jose. Excavation, cement and concrete work, reinforcing bars, etc., and cribbing for one-story frame building.
Owner—Clyde L. Fisher and Robert P. Albertson, 425 W-Santa Clara St., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—Martin E. Kilcourse, 528 S-10th St., San Jose.
Filed Mar. 1, '22. Dated Mar. 1, '22.
Foundation and piers finished.$300.00
½ of floor finished..... 598.87
Completed and accepted..... 598.88
Usual 35 days..... 499.25
TOTAL COST, $1997.00
Bond, $998.50. Sureties, J. W. McClay & W. A. Dunlap. Limit, forfeit, none. none. Plans and specifications filed.

DWELLINGS
NO. 364 N-SIXTH ST., San Jose. All work for two dwellings and two garages, as per plan No. 1 and plan No. 2.
Owner—J. H. Long, 361 N-Sixth St., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—Clyde Alexander, 34 E-Santa Clara St., San Jose
Filed Feb. 27, '22. Dated Feb. 20, '22
Frames up $1975
1st coat plastering on..... 1975
Completed and accepted..... 1975
Usual 35 days..... 1975
TOTAL COST, $7900
Bond, $3950. Sureties, Earl D. Minton and Henry A. Hoyt. Limit, forfeit, none. Plans and specifications filed.

FRAME BUILDING
BEG ON E LINE OF RACE ST 113.68 N of intersection of E line of Race St with N line Moorpark Ave th N 352.86 ft. th. N 88° 59' E 352.92 ft. th S 44° 24' W 507.72 ft to place of beg. Santa Clara County. All work for frame building
Owner—United States Products Cptn. San Jose.
Architect—Wolfe & Higgins, Auzerai Bldg., San Jose
Contractor—E. Anderson, Mt View
Filed Feb. 24, '22 Dated Feb. 21, '21.
1st floor joists in place ..... ¼
Frame erected ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $7850
Bond, $4000 Sureties, E. K. Pearson, San Francisco and Elizabeth M. Nash, San Mateo. Limit, forfeit, none. Plans and specifications filed.

RESIDENCE
COR. WEBSTER ST. AND EMBARCADERO Road, Blk 36, 2nd Seale Addition, Palo Alto. All work for one-story residence.
Owner—Birge M. Clark, Stanford University, Palo Alto.
Architect—Birge M. Clark.
Contractor—The Minton Co., Mt. View
Filed Feb. 25, '22. Dated Feb. 23, '22.
Frame completed, roof sheathed, and chimney built $1456.50
Plumbing, electrical, plastering, and exterior mill work 1456.50
Completed and accepted.... 1456.50
Usual 35 days..... 1456.50
TOTAL COST, $5826.00
Bond, $2913. Sureties, William P. Wright and Margerie Minton. Limit, forfeit, none. Plans and specifications filed.

RESIDENCE
PTN LOTS 17 AND 18 BLK 12 Map No. 1, Seale Addition to Town of Palo Alto. Concrete, brick, carpenter, mill, glass, electrictl, plumbing and roofing work for two-story residence.
Owner—Mrs. Anne H. Ewing, Palo Alto
Architect—W. S. Couter & Co., Palo Alto.
Contractor—W. S. Couter & Co., Palo Alto.
Filed Feb. 28, '22. Dated Feb. 25, '22.
Foundation in and frame lumber on ground $837.25
Under roof 837.25
Completed 837.25
Usual 35 days..... 837.25
TOTAL COST, $3349.00
Bond, $1000. Surety, Agnes G. Couter. Limit, forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Feb. 27, 1922—S WILLIAM 45.95 W of intersection of William with W Ninth Lot 45x91-8. San Jose. Geo W and Verna M Dobson to whom it may concern..Feb. 27, 1922
Feb. 28, 1922—S WILLIAM bet. 8th and 9th Sts. No. 380 and 382 E-William St., San Jose. Leola Mayer to George Lindblom.....Feb. 25, 1922
Feb. 28, 1922—NO. 135 N-ELEVENTH St., San Jose. A E Correa to A M Elliott.....Feb. 28, 1922
Mar. 1, 1922—N HUMBOLDT 85.03 W Sherman St., 42.50x104.78, San Jose. William H O'Neil to whom it may concern .....Feb. 7, 1922
Mar. 1, 1922—N HUMBOLDT 255.03 W Sherman St., San Jose. William H O'Neil to whom it may concern .. .. Feb 26, 1922
Mar. 1, 1922—N HUMBOLDT 170.03 W Sherman St., San Jose William H O'Neil to whom it may concern ..... Feb. 20, 1922
Mar. 1, 1922—BRYANT ST. near Cor. Churchill, Palo Alto. Emma H Flanders to Howard S Waltz ..... Feb. 24, 1922
Mar 3, 1922—LOT 3 BLK 11, Hanchett Residence Park, San Jose Olive L Spring to whom it may concern ..... Mar 2, 1922

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
Feb 24, 1922—LOT 14 BLK 19 Parker Addition, East San Jose known as No 270 S-23rd St S H Chase Lumber Co vs Mary E Aker $130.84

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
Mar. 3, 1922—PTN OF THE SE ¼ of Sec 34 T 1 S R 7 E described as the S 13-9 acres thereof. Stockton. Stockton Hardware & Implement Co a cptn. vs Germea Silva....$56.01

BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 and Over Reported

DWELLING
NO. 2101 FORTY-SIXTH ST., Sacramento. One-story dwelling.
Owner—Wright & Kimbrough, 817 J St., Sacramento.
Architect—None.
Contractor—Vaughn & Gilhut, Sacramento. $3100

DWELLING
NO. 1043 THIRTY-SEVENTH ST., Sacramento. One-story 5-room dwelling and garage.
Owner—Jas. Gwinn, 708 J St., Sacramento.
Architect—None.
Day's work. $3900

DWELLING
NO. 3172 C ST., Sacramento. One-story 6-room dwelling.
Owner—Eva M. Snape, 604 N St., Sacramento.
Architect—None.
Contractor—Paul Apdyke, Sacramento. $4200

GARAGE
NO. 429 SIXTEENTH ST., Sacramento Private garage.
Owner—N. Zanze and P. Krajler, Prem.
Architect—None.
Contractor—C. Vanha, 2022 M St., Sacramento. $3030

FRAME DWELLING
NO. 1333 THIRTY-EIGHTH ST., Sacramento. Two-story 7-room frame dwelling.
Owner—Cutler Bros.
Architect—None.
Contractor—F. Maloney, 1801 U St., Sacramento. $7200

DWELLING
NO. 3931 M ST., Sacramento. One-story 5-room frame dwelling.
Owner—Thos. Affleck, 3637 Bret Hart Court, Sacramento.
Architect—None.
Contractor—F. Maloney, 1801 U St., Sacramento. $4500

DWELLING
NO. 1044 SANTA BARBARA COURT, Sacramento. One-story 4-room dwelling
Owner—Carl Kach, 3418 L St., Sacramento
Architect—None
Day's work $2700

DWELLING
NO. 517 AND 525 FORTIETH ST., Sacramento. Two one-story 5-room dwellings and garages
Owner—W. B. Fink, 1005 D St., Sacramento.
Architect—None
Day's work $3000 each

ALTERATIONS
NO. 705-7 NINTH ST. Sacramento. Alterations and additions.
Owner—Fred A. Aukener & Ruth (ux)
Architect—E. C. Hemmings, Ochsner Bldg., Sacramento
Contractor—Herndon & Flanigan, 1814 17th St., Sacramento $9819
Filed Mar. 5, '22. Dated ——

FLAT BLDG.
NO. 1121 U ST., Sacramento. Two-story 3-flat building.
Owner—Mrs. and Mrs. E. J. Frichette, 2021 13th St., Sacramento.
Architect—None.
Contractor—G. E. Hook, 718 18th St., Sacramento. $8950

DWELLING
NO. 2315 G ST., Sacramento. One-story 5-room dwelling and garage.
Owner—Geo. D. Putman, 2709 D St., Sacramento.
Architect—None.
Contractor—Truesdale & Martin, 2116 H St., Sacramento. $6500

FLATS
LOCATION NOT GIVEN, Sacramento. Two-story two-flat building (5 rooms each) and garage.
Owner—Frank Renwick, 1519 11th St., Sacramento.
Architect—None.
Contractor—W. R. Saunders, 2614 I St., Sacramento. $15,500

DWELLING
NO. 3211 FRANKLIN BLVD., Sacramento. One-story 5-room dwelling and garage.
Owner—H. M. Earle, 2618 N St., Sacramento.
Architect—None.
Day's work. $2900

DWELLING
NO. 2216 TWENTY-SIXTH ST., Sacramento. One-story 5-room dwlg.
Owner—Frank Tade, Farmers & Mech. Bank Bldg., Sacramento.
Architect—None.
Day's work. $2850

DWELLING
NO. 2001 TWENTY-FOURTH ST., Sacramento. One-story 5-room dwlg
Owner—Rudolph Wittenbrock, 1815 K St., Sacramento.
Architect—None.
Contractor—A. W. Norris, 204 Peoples Bank Bldg., Sacramento. $3500

ICE PLANT
W. P. R. R., Hickman Tract, Sacramento. Concrete, wood and corrugated ice plant.
Owner—Consumers Ice & Cold Storage Co., 8th and D Sts., Sacramento.
Architect—None.
Contractor—W. C. Phillip, San Francisco. $15,000

DWELLING
NO. 3723 THIRD AVE., Sacramento. One-story 5-room dwelling.
Owner—Paul Pedrona, 2615 S St., Sacramento.
Architect—None.
Contractor—D. Lamorue, 3977 2nd Ave., Sacramento. $3000

DWELLING AND STORE
NO. 4300 EIGHTH AVE., Sacramento. Two-story store and five-room dwelling in upper; and garage.
Owner—Mr. and Mrs. C. A. Simmons, 3316 43rd St., Sacramento.
Architect—None.
Contractor—A. W. Norris, Room 204, Peoples Bank Bldg., Sacramento. $5250

DWELLING
NO. 317 THIRTIETH, Sacramento. One-story 5-room dwelling and garage.
Owner—Anna E. Williams, 4212 San Benita Way, Sacramento.
Architect—None.
Architect—None.
Day's work. $2950

DWELLING
NO. 2725 D ST., Sacramento. One-story 6-room dwelling and garage.
Owner—G. W. Kopp, 1514 16th St., Sacramento.
Architect—None.
Day's work. $4200

SERVICE STATION
NO. 1002 P ST., Sacramento. One-story frame service station.
Owner—Union Oil Co., Front and Y Sts, Sacramento.
Architect—None.
Day's work. $2500

DWELLING
NO. 716 THIRD, Sacramento. One-story 5-room dwelling and garage.
Owner—E. A. McIntyre, 1213 8th St., Sacramento.
Architect—None.
Contractor—Robt. Powell & Co., 1309 6th St., Sacramento. $3350

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Mar. 3, 1922—NW PTN Bates Union Grammar School, playing field in Courtland. Courtland School District by F A Sanford Foale, Architect to McLeran & Peterson.....Feb. 28, 1922
Mar. 3, 1922—SHOP GROUNDS in Sacramento (construction of mastic flooring in Roundhouse). S. P. Co. to whom it may concern.Feb. 25, 1922
Mar. 3, 1922—LOTS 6 AND 7, J, K, 10th and 11th Sts., Sacramento. (Lobby of Hippodrome Theatre.) Empress Theatre Co to whom it may concern.....Oct. 11, 1921

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
Mar. 3, 1922—LOT 2824, Elmhurst. Sunset Lumber Co of Oakland vs C M Goethe, John Colombo and Regina (ux) $507.17

BUILDING CONTRACTS

FRESNO COUNTY

$5,000 and Over Reported

PAINT PLANT
LOS ANGELES AND M STS., Fresno. Two-story reinforced concrete and stucco plant jobbing plant.
Owner—W. P. Fuller Co.
Architect—Eugene Mathewsen, Cory Bldg., Fresno.
Contractor — M. C. Vaughn, 357 12th St., Oakland. $95,000

DWELLINGS
NO. 1321, 1317, 1313, 1309 S THIRD ST., and 1308 Hazelwood Ave., Fresno. Five frame dwellings and garages.
Owner—E. R. Morris, 2031 Lewis St., Fresno.
Architect—None.
Day's work. $2600, $2650, $2750, $3000

ALTERATIONS
NO. 1146 J ST., Fresno. Alterations
Owner—C. Buzas Co.
Architect—None.
Day's work. $6000

STORE
NO. 1820 STANISLAUS ST., Fresno. Store.
Owner—E. J. Wiemar, 436 Yosemite St., Fresno.
Architect—None.
Contractor—Chris. Schert. $3000

FIRE ALARM STATION
FRESNO AND DIVISADERO STS., Fresno. Frame alarm station.
Owner—City of Fresno.
Architect—None.
Contractor—Louis Cereghino, 180 Jessie St., San Francisco. $20,738

ALTERATIONS
NO. 2077 THOMAS AVE., Fresno. Alterations.
Owner—Bethel Church, Premises.
Architect—None.
Contractor—J. Drake, 1619 Patterson St., Fresno. $3500

FLAT
NO. 161 GLENN AVE., Fresno. Flat.
Owner—W. H. Hudson, % Y. M. C. A., Fresno.
Architect—None.
Day's work. $10,000

DWELLING
NO. 1148 MERCED ST., Fresno. Store and dwelling.
Owner—Joe Faratta, Fresno.
Architect—None.
Contractor—Joe La Forti, Fresno. $9000

DWELLING
NO. 1528 WEBSTER ST., Fresno. Dwelling.
Owner—A. M. Chitty, 320 Poplar St., Fresno.
Architect—None.
Day's work. $4000

COMPLETION NOTICES

FRESNO COUNTY.

Recorded Accepted
Mar. 8, 1922—LOTS 9 AND 10 BLK 181, Fresno. Associated Oil Co to whom it may concern....Mar. 3, 1922
Mar. 7, 1922—LOTS 24 AND 25 BLK 26, Arlington Heights Tct, Fresno. W J Palfrey to whom it may concern.....Mar. 7, 1922
Mar. 4, 1922—LOTS 8 AND 9 BLK 8, Cedar Park Addition, Fresno. W R Greshell to whom it may concern .....Feb. 20, 1922
Mar. 4, 1922—LOTS 28 AND 29 BLK 6, Van Ness Heights, Fresno. C W Stepanek to whom it may concern .....Mar. 4, 1922
Mar. 4, 1922—LOTS 27 AND 28 BLK 16, Sierra Vista Addition, Fresno. W M Birdsall to whom it may concern.....Mar. 4, 1922
Mar. 3, 1922—"WONDER" BLDG, Fresno (concrete work). Annie L Wallace to whom it may concern .....Feb. 21, 1922
Mar. 2, 1922—W ½ LOT 20, Burlingame Villa Park, Fresno. Geo Wolf to whom it may concern.....Mar. 1, 1922
Mar. 2, 1922—E ½ LOT 35 Normal Villa Tract, Fresno. Theodore and Edna L Field to whom it may concern.....Feb. 27, 1922
Mar. 2, 1922—ROOSEVELT SCHOOL District, (Utility building and repairs on school, etc.) Roosevelt School District to whom it may concern.....Feb. 8, 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount
Mar. 3, 1922—LOTS 17 AND 18 BLK 129, Sanger. Sanger Lumber Co vs W S Herrick.....$1492

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Mar. 3, 1922—LOTS 1 TO 5 BLK 195, Fresno. Swastika Lumber Co vs Nishian Shamshojian.....$352
Mar. 1, 1922—LOTS 25 AND 26 BLK 1, Friesen Addition, Reedley. Western Lumber Co vs N H Feshjian.$653

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

$2,500 and Over Reported

BUILDING
LOTS 9 AND 11 BLK 117, E of Center St., Stockton. Building.
Owner—W. J. Hamman, 717 N-American St., Stockton.
Architect—None.
Contractor—E. S. Shaw, 416 Mendocino St., Stockton. $9250
Filed Mar. 1, '22. Dated Feb. 23, '22.

STORE, ETC.
E-LAFAYETTE ST., Stockton. Store and rooming house.
Owner—V. G. Puma, Stockton.
Architect—None.
Day's work $38,000

REPAIR SHOP
N-SUTTER ST., Stockton. Auto repair shop (public shop).
Owner—Cohen & Coiren, 45 S-El Dorado St., Stockton.
Architect—None.
Day's work. $6000

ALTERATIONS
E-PARK ST., Stockton. Remodel flat.
Owner—Mrs. George Mackerell.
Architect—None.
Day's work. $5000

FLATS
N-STANISLAUS ST., Stockton. Flats.
Owner—A. Jeanelle, 645 E-Fremont St., Stockton.
Architect—None.
Day's work. $6800

RESIDENCE
W-VINE ST., Stockton. Residence.
Owner — Victor E. Saccone, 1420 E-Lindsay St., Stockton.
Architect—None.
Day's work. $3500

RESIDENCE
E-CLEVELAND ST., Stockton. Residence.
Owner—Mary Frost.
Architect—None.
Day's work. $2550

RESIDENCE
S-REGENT ST., Stockton. Residence.
Owner—William Peenstra, 631 E-Hazelton St., Stockton.
Architect—None.
Day's work. $4000

APARTMENTS
E-WILLOW ST., Stockton. Apartments.
Owner—Fred Salbach, 26 S-Hunter St., Stockton
Architect—None.
Day's work $11,800

FLATS
E-HAZELTON ST., Stockton. Store and flats
Owner—G. Franceschi, Stockton.
Architect—None
Day's work. $8000

GARAGE
S-EL DORADO ST., Stockton. Public garage
Owner—S. Sanguinetti Co., 117 N-California St., Stockton.
Architect—None
Day's work $10,000

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
Mar. 3, 1922—W ½ OF LOT 4 in Blk 2 Map Manteca, being sbdvn of Ptn of Sec 4 and 5 T. 2 S. R. 7 E. Joe Etcheto to whom it may concern .....Mar. 1, 1922
Mar. 1, 1922—KEROSENE TANK at the rear of the main refined oil storage at company's distributing station, Stockton. Associated Oil Co to A A Florance....Feb. 17, 1922

BUILDING CONTRACTS

SAN MATEO COUNTY

RESIDENCE
LOT 13 BLK 10 Map No. 2, Burlingame Land Co., Burlingame. All work for two-story residence and garage
Owner—Paul R. A. Wessel, 1144 Bellevue Ave., Burlingame.
Associated Architects—Alfred Kuhn & Thomas M. Edwards.
Contractor—Clarence E. Fowler, 829 Edgehill, Burlingame.
Filed Mar. 6, '22. Dated Mar. 1, '22.
Frames completed & sheathed.$4000
Residence and garage rough coated 4300
Completed 4700
Usual 35 days..... 4350
TOTAL COST, $17,350
Bond, $8675 Surety, National Surety Co. of New York. Limit, 90 working days. Forfeit, $10. Plans and specifications filed.

RESIDENCE, ETC.
NE MISSION ROAD AND MARKET ST. Colma. All work except light fixtures and shades for two-story frame (2) stores and (2) residences
Owner—Luigia and Domenico Garibaldi
Architect—Paul F. De Martini, 946 Broadway, San Francisco.
Contractor—Guiseppe & Peter Carrara, 750 Fulton St. and 33 Cook St., San Francisco.
Filed Mar. 8, '22. Dated Jan. 30, '22.
Frame up $3520
Brown coated 3620
Completed and accepted..... 3620
Usual 35 days..... 3620
TOTAL COST, $11,480
Bond, $7250. Sureties, Rafael Borone and Victor Albert Feuari. Limit, 90 working days after Feb. 5, 1922. Forfeit, none. Plans and specifications filed.

RESIDENCE
PTN LOT 93 SBDVN NO. 1, San Mateo Park and Lot 37, Baldwin & Howell's Resbdvn, San Mateo Park All work for two-story and basement residence.
Owner—A. A. Robin, 702 Laurel St., San Mateo.
Architect—Edward T. Foulkes, Crocker Bldg., San Francisco
Contractor—Leadley & Wiseman, 207 Second St., San Mateo.
Filed Mar. 9, '22. Dated Mar. 8, '22
Frame up ..... ¼
Plastered ..... ¼
Completed ..... ¼
Usual 35 days..... ¼
TOTAL COST, $12,300
Bond, $6000. Sureties, F. J. Rochex & Wm F. Turnbull. Limit, 120 working days. Forfeit, none Plans and specifications filed.

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COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Mar. 2, 1922—BAY SHORE, San Mateo County. Southern Pacific Co to A Paulsen.....Feb. 24, 1922
Mar. 6, 1922—LOTS A & C BLK C, San Mateo Heights, San Mateo. Claire Howard Ross to Leadly & Wiseman.....Mar. 4, 1922
Mar. 6, 1922—CALIFORNIA SANATORIUM 1¾ miles W from Town of Belmont. California Sanatorium to L Diaguardi.....Feb. 7, 1922
Mar. 6, 1922—LOT 25 BLK 9, Burlingame Terrace, Burlingame. Marie Strum to Nelson & Shirkey .....March 3, 1922

BUILDING CONTRACTS

CONTRA COSTA COUNTY

WAREHOUSE
E POTRERO AVE., Lot 4, Turksbury Estate. One-story steel and sheet metal warehouse and storage tank.
Owner—Galena Signal Oil Co., Monadnock Bldg., San Francisco.
Engineer—D. Dorward, Jr., 16 California St., San Francisco.
Day's work. $25,000

DWELLINGS
S EIGHTH ST., bet. Florida and Maine Sts., Richmond. Two one-story frame dwellings.
Owner — Wolfe Bros., P. O. Box 1412 Richmond.
Architect—None.
Day's work. $2000 each

DWELLING
S FIFTH ST., bet. Florida and Maine Sts., Richmond. One-story frame dwelling.
Owner—W. A. James, 1859 Santa Anita Ave., Los Angeles.
Architect—None.
Contractor—D. B. Martin, 1702 Macdonald Ave., Richmond. $2000

EARLY CONSTRUCTION OF G. G. FERRY TERMINAL ASSURED

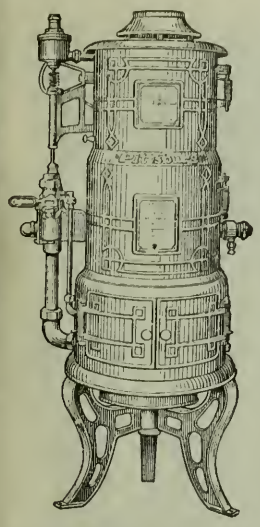
After considerable delay over which the officials of the company had no control, Golden Gate Ferry Company has definitely solved the problem of terminal sites. Sausalito water front property with a frontage of 150 feet and running out to deep water has been purchased and work will begin on the terminal within a short time.

The site is close to the present ferry slips and right in the business part of the city. The structures will be class A, built under the direction of Frank G. White, Chief Engineer for the State Harbor Commission. He will also direct the construction work on the San Francisco side.

Stockholders of the company, now numbering more than 800, will be glad to learn that the company, while laboring under delay, has been able to effect arrangements for first class terminals at low rental, and to provide at the same time strategic advantages for traffic

Work is progressing rapidly on the boat and engines. Service is promised for early summer.

Colorado, with a population of 1,000,000, had half that many rail and auto tourists in 1921 who remained from one to three weeks and spent $35,000,000.



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560 Mission Street

SAN FRANCISCO, CALIF., MARCH 18, 1922

Published Every Saturday
Twenty-second Year No. 11

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday — SAN FRANCISCO, CALIF., MARCH 18, 1922 — Twenty-second Year No. 11

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MRS. L. A. LARSEN, Publisher
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Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Official Paper of Vallejo Builders' Exchange

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Single Copies 15c

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CALIFORNIA HOMES RANK SECOND IN USE OF ELECTRICITY

Illinois leads the United States in the number of homes lighted by electricity, with California ranking second and New York third, according to the National Electric Light Association, which has announced the results of a survey of the residential lighting situation of the country.

During 1921 the number of electric light and power residential customers in the country increased 1,001,700, bringing the total up to 8,467,600. In addition to the residential lighting customers and 407,600 industrial and commercial power customers bringing the total number up to 10,375,200.

Illinois has 858,000 of the residential customers. California ranks second in home lighting customers with 752,000, while New York is third with 686,000, and Pennsylvania fourth with 543,000.

U. S. BUILDS ROADS TO ENCIRLE GLOBE

Mileage of road-building projects under construction in the United States last year, if continuously placed, would form a highway more than encircling the globe, the Department of Agriculture stated today. The total was estimated at 31,228 miles.

Every state in the United States shares in the benefits of 11,930 miles of highways which were constructed with federal aid. The total cost of the projects will be $231,963,682. The proportion of this amount contributed by various states was $137,906,593, the remainder of $94,057,089 by the federal government.

Road projection in 1921 in the United States exceeded by more than 10 per cent all previous improved highway mileage in the country.

BUILDERS' EXCHANGE IS ORGANIZED AT RENO, NEVADA

Organization of a Builders' Exchange for Reno, Nevada, was perfected at a meeting in the Chamber of Commerce rooms, March 8. About 75 Reno contractors, sub-contractors and material men were present, and all were heartily in favor of the new organization. President Charles S. Knight of the Reno Chamber of Commerce was elected temporary chairman and J. J. Pelizzari, temporary secretary, and both will serve until the election of officers.

All crafts were represented at the meeting and members from each craft were appointed to look after securing memberships from those in their line of business. The appointments on the membership committee were: Master Builders, Joseph Dillard, S. H. Newton and P. Shea; Roofers will be taken care of by the builders' committee; Master Plasterers, John Evans; Master Bricklayers, W. Ward, Smith and Petersen; Master Electricians, F. O. Bhailli; Master Plumbers, F. C. Savage; Master Painters, H. R. Landis and W. E. Frisby; Master Plumbing Supplies, Messrs. Lyons and Briggs; Master Plumbing Supplies, Messrs. Flickinger and J. E. Smith; Sheet Metal Workers, William Wagner; Bankers, John Cameron; Stone Masons, William Ward.

The By-Law Committee was appointed and consists of Messrs. Flickinger, Landis, Dillard and Meyer.

AMERICAN ENGINEERING STANDARDS COMMITTEE ELECTS OFFICERS

At the adjourned annual meeting of the American Engineering Standards Committee held in New York on February 9th, Mr. Albert W. Whitney, a representative of the National Safety Council was elected Chairman, and Mr. George C. Stone, a representative of the American Institute of Mining and Metallurgical Engineers, was re-elected Vice-Chairman. Mr. Whitney is Associate General Manager of the National Bureau of Casualty and Surety Underwriters. Mr. A. A. Stevenson, the retiring Chairman, is a representative of the American Society for Testing Materials. The following were elected to represent the respective member-bodies on the Executive Committee: Martin Schreiber, American Electric Railway Ass'n.; Sullivan, W. Jones, American Institute of Architects; C. E. Skinner, American Institute of Electrical Engineer; E. A. Frink, American Railway Ass'n. (Engineering Division; ——, American Society of Civil Engineers; Eugene C. Peck, American Society of Mechanical Engineers; John A. Capp, American Society for Testing Materials; ——, Association of American Steel Manufacturers; A. H. Moore, Electrical Manufacturers' Council; N. A. Carle, Electric Light and Power Group; Dana Pierce, Fire Protection Group; A. Cressy Morrison, Gas Group; Coker F. Clarkson, Society of Automotive Engineers; Thos. H. MacDonald, U. S. Department of Agriculture; G. K. Burgess, U. S. Department of Commerce; O. P. Hood, U. S. Department of Interior; Francis J. Cleary, U. S. Department; Beverly C. Dunn, U. S. War Department.

UNITED STATES LUMBER EXPORTS FOR JANUARY

If the exports of lumber and lumber products for the month of January can be regarded as foreshadowing the year's business, the showing is, in most instances, satisfactory, says Alex Oxholm, chief of the lumber division of the Department of Commerce. Southern yellow pine and Douglas fir, the two leading softwoods, and oak, the principal hardwood, all showed an increase over the average monthly export shipments of 1921. The increase in Douglas fir was the most notable—103 per cent.

The chief market for Southern yellow pine in January was the United Kingdom, which occupied third place during all of 1921; Argentina ranked second, maintaining its 1921 position. The West Indies, Belgium, Cuba and Mexico, ranked next in the order named. In oak the leading markets in their order were the United Kingdom, Canada, Belgium, Argentina and Uruguay. While the total exports of boards and planks for the seven months ending January 31st, were practically the same as for the corresponding period of 1921, the total for the month of January was 148,675,000 board feet, an increase of 73 per cent over the same month of 1921.

January's foreign stave market—tight and slack—did not maintain last year's average, amounting in quantity to slightly over 4,500,000, the markets in their importance being the British West Indies, the United Kingdom, Canada, Cuba, France, Portugal, Spain and Italy.

JANUARY ELECTRICAL EXPORTS REPORTED

Preliminary figures for January, 1922, show United States exports of electrical goods under the new classification which went into effect at the beginning of the year. Much interesting data is now available relative to particular items of the trade. Owing to the length of the new classification accurate figures for all quantities are not yet available, values only being given, therefore, in some instances.

Of motors exported during January, there were 1283 in the 1 to 200 horsepower range. These were valued at $145,883. Nineteen hundred and thirty-seven fractional horsepower motors were shipped, amounting in value to $36,040. Accessories and parts for motors, valued at $146,521, were exported during January, this being a substantial part of the shipment of this class of apparatus.

Another item of interest is the export of self contained lighting outfits, 125 of these valued at $39,776 having been sent abroad during the month. The figures for batteries are now divided, and show $71,306 worth of drycells and $51,216 worth of storage batteries, the number of the latter bein 6251.

Domestic heating and cooking devices and household motor driven appliances were exported during January in the sums of $38,540 and $22,704, respectively. Heavy shipments of telephone apparatus are also noteworthy, the exports for the month being valued at $370,055.

The Observer

The value of buildings for which permits were granted during February in 141 cities far surpassed that of any previous February in the country's history, the total amount being $122,684,719, it is reported by Bradstreet's. This figure was a decrease of 5.3 per cent from the longer month of January this year, during which the total reached $129,555,404, but it was a gain of 66 per cent over February, 1921. Reports showed the increase was made "despite a good deal of storm weather, the failure of contractors and labor unions to agree on wages in several important cities and the fact that the 1921 boom in building was already making itself felt in enlarged total a year ago in February." Only one group of cities, those in New England, reported a decrease compared with February of last year. Those in the northwest showed the heaviest gain, 142 per cent higher than the corresponding month of 1921.

Apprentices are too scarce in the building trades, and because the industry is now suffering from poor workmen and will suffer still more in the future unless better men are attracted, the dearth of young men preparing for building crafts is an item of prime seriousness.

It is fundamental that the duty of every contractor is to help break down restrictions on apprentices by labor unions or other agencies where such restrictions are clearly against wholesome policy. Further, that it is a fundamental duty to see to it that YOUR proper share of training apprentices is not dodged. You cannot expect someone else to do all the training. Further, conditions in the industry must be made attractive to potential apprentices. If this latter is not done, the class of apprentices attracted will be inferior. It is high time to ask yourself the question, "Will a likely young boy be attracted to becoming an apprentice in my organization?"—American Contractor.

The report of the National Agricultural Conference as made by Secretary of Agriculture Wallace to President Harding is to be issued as a public document. President Harding transmitted the report to the agricultural committee of the House, which presented it to the House with the recommendation that it be printed as a public document. The House approved the recommendation. The publication will contain the addresses delivered before the conference and the reports of the various committees. Persons who are interested may obtain copies of the document through their congressmen.

To confer with J. J. Tynan, general manager of the Bethlehem Shipbuilding Corporation, concerning the expenditure of millions of dollars on this cost in the manufacture of Diesel engines, H. Gerrish Smith and E. G. Geiss, executives of the Bethlehem company and personal representatives of Charles M. Schwab, are in San Francisco. Both men are from Bethlehem, Pa. Geiss said that the Diesel engines will be manufactured in the company's plants in San Francisco, Oakland and Los Angeles.

The Oakland plant of the California Pottery Company will be moved to Merced this winter, according to an announcement of Frank A. Costello, President of the Company. Additional buildings will be constructed at the Merced plant to meet increased business. Sixteen kilns will be added to those in operation enabling the company to turn out a complete line of clay products embracing face brick, fire brick, roofing tile, drain tile, irrigation pipe, silo blocks, sanitary sewer pipe, hollow tile, building blocks, etc.

Construction of the final section of the Imperial Valley lateral, bridging the desert gap from Banning to the irrigated section on the floor of the valley has been determined upon by the California Highway Commission, and bids have been called for to be returned April 3, 1922, for a 12½ mile section from Banning to Whitewater. Alternate specifications are being advertised. 5 inches asphaltic concrete, 16 feet wide and cement concrete 5 inches thick, with 7 inch edges and 16 feet wide.

A civil service examination will be held at Sacramento in the immediate future for selection of a mechanical engineer for the department of institutions, in charge of the thirteen institutions of the State. Salary will range from $275 to begin, to $350 a month. Information and applications are also ready for clerkships which are constantly in need of filling for the State service. Salaries range from $80 to $130 a month for junior clerks, and $140 to $200 for senior clerks. Offices of the Commission are located in the Forum Bldg., Sacramento.

The Pacific Portland Cement Co., in a complaint to the Railroad Commission against the Southern Pacific Company, asks for reparation on shipments of lime rock from Flint to Tolenas. The reparation is asked on all shipments moving in the last two years and the measure of reparation is stated to be the difference between 50 cents a ton, declared to be the lawful rate, and charges of 70 and 90 cents a ton alleged to have been made.

Another reduction in transcontinental freight rates is announced by the Western Pacific Railroad. Among the commodities affected are deciduous and citrus fruits eastbound in carloads; cotton thread on spools, cones or tubes, pearl buttons, electrical appliances, machinery and supplies from East to California; car castings eastbound; cider and vinegar westbound; tile in carloads from the East to California, and furnaces westbound.

Secretary of Commerce Herbert C. Hoover will spend March 24th and 25th in San Francisco. The proposed $400,000,000 waterpower and irrigation project for conserving the waters of the Colorado river, now in a formative stage under a joint committee of the States of California, Nevada, Arizona, Utah, Colorado and Wyoming, and of which Hoover is chairman, is the immediate cause of his Coast trip.

Former Congressman William Kent, chairman of the executive board for California's Water and Power Act, has made public a letter to M. M. O'Shaughnessy, city engineer of San Francisco, in which he takes strong exception to a criticism of the proposed amendment by O'Shaughnessy. Kent vigorously defends the measure as for the best interests of the people of California.

ALONG THE LINE

A. S. Downey of the A. W. Quist Co., Seattle, Wash., has been selected president of the Pacific Northwest Chapter of the Associated General Contractor. Other officers elected were: F. J. Walsh of Albertson, Cornell Bros., & Walsh of Tacoma, vice-president of Tacoma chapter; J. M. Clifton of Clifton, Appleton & Toole, Spokane, vice-president at Spokane; J. M. Dugan of Chrisman & Dugan, Portland, vice-president at Portland; E. T. Johnson of Johnson Contract Co., secretary and treasurer.

Sawmill operations at the Hutchinson Lumber Co's. mill at Oroville, will be started in thirty days. The mill will operate on the biggest scale ever attempted in the Butte county section, according to O. C. Griffith, manager of the company.

Building activities in Los Angeles for the month of March, 1922, have started with a grand rush. Up to and including the 7th, a total of 1638 permits with a valuation of $2,238,728 were issued by the city building department.

The Washington State Chapter of the American Institute of Architects will hold an architectural exhibition in the galleries of the Seattle Fine Arts Society, 1213 Fourth avenue, Seattle, Wash., April 2 to May 1, 1922.

The "Citizen Committee on Garbage," City of Berkeley, has recommended that the position of sanitary engineer, held by Chas. C. Newkirk, be abolished. The position carries a salary of $300 a month.

The plant of the Pelton Water Wheel Co., organized in San Francisco in 1887, has been purchased by the William Cramp & Sons Ship and Engine Building Co. of Philadelphia.

City Trustees of Gilroy, Santa Clara County, vote to extend water mains in various sections of the city. Six, eight and ten inch mains will be placed.

The $115,000 bond issue of the Livermore Grammar School District was sold for a premium of $14,727.50. Proceeds of the sale will finance construction of a new school.

Announcement is made that the National Wholesale Lumber Dealers' Association will hold its annual convention March 22 and 23, at Washington, D. C.

The 1922 convention of the Association of Iron and Steel Electrical Engineers will be held in the New Auditorium, Cleveland, Ohio, Sept 11 to 15.

The California Finance and Housing Company has opened a branch office in the Henshaw Bldg., Oakland.

Turlock votes bonds of $36,000 for addition to two grammar schools.

RESULTS OF THE PITTSBURG HIGHWAY TESTS*

The five-inch reinforced concrete slabs now being laid by the California Highway Commission were the first to disintegrate and fail.

The steel reinforcement method does not appear to be of sufficient value to pay for the additional cost required. It appears clearly that on equal foundations thickness of slab is the only insurance of permanency.

Section J, the Arizona section, showed but little evidence of failure. This section is the six-inch plain concrete section, and most nearly approximates the recommendations made by the California State Automobile Association in its recent investigation of the State Highway system as the minimum thickness and type of pavement that should now be laid on main trunk lines by the State Highway Commission.

These are the results of the concrete highway test at Pittsburg, according to a statement issued recently by the California State Automobile Association.

Between November 9 last year and the end of January of this year the record of the test highway at Pittsburg showed that the traffic amounted to $3,668,100 tons which, even in that short period of time, is equivalent to the traffic of about ten years on our ordinary State Highways.

Each one of the thirteen different types of concrete roadway has been subjected to the same test, and except for the design of the pavement itself, under identical conditions. The same sub-soil exists under each section; the same temperature variations affect each unit; the rainfall is the same; and the degree of saturation of the sub-base as identical as it is humanly possible to make it. The mixture of the concrete was uniform throughout, and the age of the pavement varies only by the time between the beginning of the laying of the concrete to the completion of the operation, a factor having no bearing on the comparative results, as ample time was given the concrete to "cure" before any traffic whatever was allowed to use the roadway.

Before analyzing the results obtained one should know that except for one of the thirteen sections absolutely the only variations are in the thickness and shapes of the several units, the quantity and manner of placing reinforcement steel, and the construction of expansion joints. The exception to this is that between the concrete and the dirt sub-soil on Section A there was constructed a crushed rock base one foot thick at the center and four inches at the outer edge of the pavement.

The reason for all this uniformity was because those having to do with the carrying on of these tests sought to get comparable results. This seemed to be impossible in ordinary practice because of the tremendous variations in quantity and quality of traffic, different sub-soil conditions, construction methods, the "personal equation" in inspection, climatic variations, etc. The preliminary report of July, 1921, of those carrying on this investigation states: "The thirteen types selected for investigation are the results of conferences with and suggestions by leading Federal, State and county highway engineers, and represent their ideas as nearly as possible within the scope of this test," and also that "this is a public test for public information."

Of the thirteen sections, but three are in general use in the western part of the United States. Sections A and B are California Highway Commission standards and are identical in all parts except for the prepared rock sub-base under Section A. Section J is commonly referred to as the "Arizona standard, and it is understood was constructed in the test highway at the request of the people of that State. The other types are not in general use, in the West at least. The embodied ideas in use in other sections of the country and theoretical designs by Western engineers.

With a well thought out plan of uniformity, a sincere desire for knowledge, and the ideas of some of the leading engineers of the West secured, the work of getting results started with the inauguration of traffic on November last. Trucks that were built for the use of the Army during the late war were used for traffic units and they were loaded with pig iron to make such loads as are commonly seen on our highways. As many as 35 trucks were used at a time, and altogether they traveled 61,639 miles, carrying over each section of the highway the same load—3,688,100 tons.

As the tests proceeded disintegration took place in small areas which at first caused little concern, but which as time went on gave increasing trouble until in January the maintenance of the test highway was a serious consideration. Finally, on the evening of January 28, traffic was suddenly stopped, and since then nothing has been done in the way of preparing for a resumption of operations. The trucks and other equipment have been removed from the site of the tests. The exact cause for the stoppage of operations is not known, but it is a certainty that some areas were so destroyed that their usefulness as pavement was ended. Temporary planked timber roadways were constructed in place of the concrete pavement at those places, which made possible the continuance of operations. Rumor has it that operations are to be resumed, and every one familiar at all with the need of more definite knowledge of highway building and its peculiar technicalities hopes that such will be the case. However, the tests so far have been conclusive of some things of the utmost value, and particularly to the people of this State. So far as showing which of the thirteen sections is the best, the tests are incomplete, but of the reverse they are finished; that is to say, they have shown which sections are least able to withstand the strain of traffic. An analysis of the several sections shows that the three heaviest sections—that is, the ones having the greatest minimum thickness of concrete—have stood up the best of any. These sections are E, F, and M, the first two having a minimum thickness of eight inches and the other seven inches. This study also shows that the thinner slabs—the ones of five-inch thickness—have been the ones least able to stand the traffic. Of the six sections in this class, four, A, B, H and I, stand out prominently as failures. The degree of failures of the intermediate sections or the ones of six-inch minimum thickness is between the other groups. All of this indicates beyond doubt that the thicker the concrete itself the more able it is to withstand the destructive agencies of traffic.

An analysis would not be complete unless a consideration was given to the reinforcing steel that was used in the various slabs. There is plenty of evidence to show that the disintegration is as bad where reinforcement is used as where none at all is placed in the pavement. Then again, other evidence would indicate that the permanency of thin slabs, if a sufficient quantity of steel were used, would be increased materially. Sections K and L are both five-inch slabs and are identical with Sections A and B, the two State Highway standard sections, except that they have about three times the tonnage of reinforcement steel. Sections K and L stood up very much better than A and B.

The cost of the extra inch in thickness of concrete is about the equivalent of fifty tons of steel reinforcement per mile. Consequently the five-inch sections of K and L, which have 69 and 55 tons of steel per mile, are somewhat higher in cost than the six-inch Section J, which has no reinforcement. The disintegration in Section J is less than in either of the other two sections, indicating that the thicker unreinforced section is the better. Both Sections G and J are six-inch sections. The disintegration in Section G is much more noticeable than in J, and yet it has 69 tons of steel per mile, while J has none. These evidences and studies indicate that steel reinforcement adds strength to the concrete road slab, but that the same extra cost put into extra thickness of concrete is more effective. In other words, these tests indicate, even at the present low price of steel, that it is more economical to place the same investment in thick concrete rather than in thin heavily reinforced slabs.

Probably the most startling comparison that can be made of the various road slabs is between Sections A and B on the one hand and on the other Section J. Sections A and B are the five-inch reinforced California standard sections, and it is no stretch of the imagination to call them total failures in that at the end of the tests so much of the pavement had given way that extensive planked roadways had to be substituted. Approximately one-fifth of each of these sections had entirely disappeared, and most of the balance appeared in such an unhealthy condition that it was only a question of a very short time until total disintegration would affect it. Each day increased materially the area of failure.

Section J, the Arizona section, on the other hand was still supporting the traffic with but little evidence of failure. This section is the six-inch plain concrete section and most nearly approximates the recommendations made by the two automobile clubs in their recent investigation of the State Highway system as the minimum thickness and type of pavement that should be laid on the main trunk lines of the State Highway system. It is possible that Sections A and B would wear out twice before Section J would be entirely gone, at least there is nothing to indicate otherwise. The cost of these types of pavement slabs is about the same, being in the ratio of about $28,200 per mile, to $31,770 in favor of the weaker section.

Altogether the tests have been conclusive of several things, but they have shown more forcibly than ever the need of more thorough investigations of types of roadway to meet the traffic demands of California before millions more of money is spent in the improvement of our thoroughfares.

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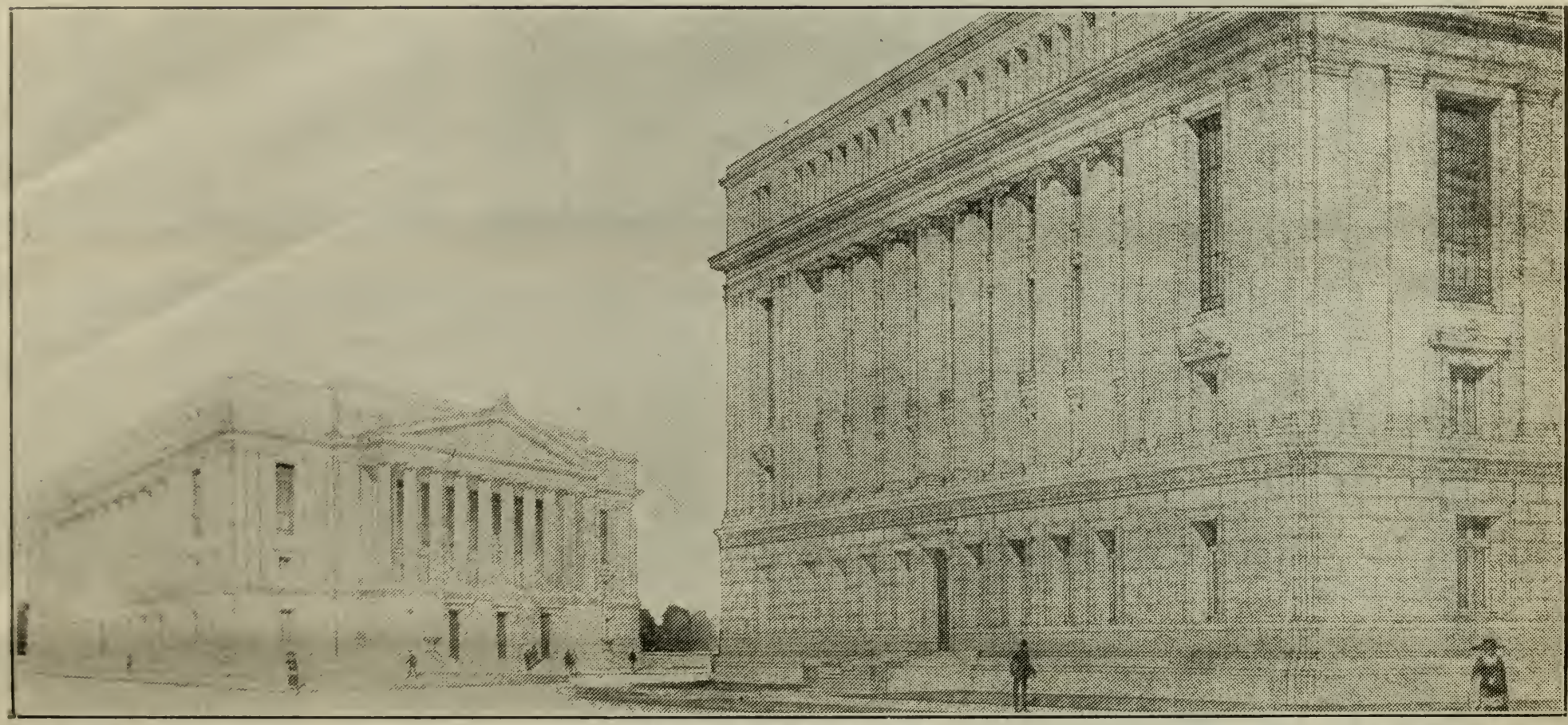
*By California State Automobile Assn.



Cut—Courtesy Sacramento Bee. CAPITOL EXTENSION BUILDINGS Weeks & Day, Architects

Each of the two buildings, one to be located between L and M streets and the other between M and N streets, will be approximately 200 feet square and 100 feet high. They will be built on a concrete pile foundation, the piles being approximately thirty-four feet long and of reinforced concrete.

The structural steel in the two buildings will weigh 2,700 tons; the granite 6,500 tons; the marble 500 tons; the structural terra cotta 940 tons; the common brick 8,000 tons or 3,500,000 brick; the face brick 800 tons or 500,000 brick; the re-inforcing steel 999 tons; the broken stone 19,990 tons; sand 13,850 tons; and cement 631 tons.

The cubic yardage of concrete necessary is 16,000. The buildings will have 275,000 square feet of floor space and 1,800 piles will be required for the foundation.

BUILDING BOOM LOOMS IN SACRAMENTO

By THE OBSERVER

Sacramento is no place for those who work in the day and sleep in the night, and it is all the fault of the building fraternity. The pounding of hammers, the rat-a-tat of the rivet guns, the screech of saw, the rolling of concrete mixers, the puffing of hoisting equipment and the snorting of steam shovels is heard in every section of the city. Truly a city of activity is Sacramento.

Undoubtedly the year 1922 will be a banner building year for Sacramento.

Architects, contractors and material dealers declare a huge construction program will be in full swing within the next few months. The steady increase in activities, notably homes, is brought on, the building interests claim, due to the public being educated to the fact that most profitable time to build is NOW. Further, that the constitutional remedy for high rents is more buildings—and plenty of them.

The Outlook

Architects declare prospects were never brighter—in fact, were never so plentiful. Many projects labeled "postponed indefinitely" are again on the boards and are being rushed to completion.

Contractors declare an exceptionally busy season and are confident the activities will continue throughout the year.

Materialmen confirm the reports of the architects and contractors, and declare the demand for materials, in many instances, exceeds the supply on hand.

Real estate operators report an active demand for residence property—particularly for the moderate-priced home. A steady call for property in the business district also prevails.

Home Building Most Active

A notable feature of the Sacramento activities is home building. During the year 1921 the city building department reports 661 buildings erected at a cost of $2,393,623, these structures providing housing accommodations for 700 families. A total of 618 one family structures were erected at a cost of $1,892,692; 12 two family dwellings at a cost of $74,300, and 21 apartments and flats at a cost of $327,250.

During the month of January, this year, the department issued 61 permits for new structures to cost $324,040. These buildings will provide housing facilities for 104 families, of which 71 are one family dwellings, costing $205,-710.

During the month of February 203 permits were issued, representing construction totaling $689,297. The totals of the past month exceed those of February, 1921, by $410,117. During the month of February, just closed, 42 permits were granted for one story dwellings costing $31,000, and four flats costing $31,500. The total amount of new construction undertaken during the month is valued at $634,217.

Building operations from January 1 to February 28, inclusive, total 452 permits having an aggregate valuation of $2,596,159.

Public Improvements

In addition to a healthy program of private construction for Sacramento a considerable amount of public work will be undertaken, both by the city and the State of California.

The city is now completing a school construction program, for which bonds of $3,000,000 were voted in 1920, and will immediately undertake the construction of alterations and additions to standing school buildings under a $1,115,000 bond issue authorized last month.

The city has also authorized, through a bond issue, an expenditure of $900,-000 to complete work on the filtration plant in addition to $200,000 for improving the municipal wharves.

Sacramento County has under construction a $365,000 hospital, plans for which were prepared by Architect R. A. Herold. Wm. C. Keating of Sacramento has this contract.

Frederick S. Harrison, Sacramento architect, urges that the building interests of that city get together and finance a building exhibit similar to the eight day display held in Stockton under the auspices of the Architects' Association of that city.

The suggestion of Architect Harrison is worthy of immediate consideration. While building in Sacramento is going ahead at a rapid pace, the activities are far from what they should be. Construction of all kinds must go forward, not only in Sacramento, but in every section of the country. Building has lagged far behind.

The prospective builder sees nothing but darkness. Let the building interests—those who shall profit most—show him the light. The prospective builder seeks facts and figures. He wants to know what he is to get for his money. He wants to see what the building industry has to offer. The public must be convinced that it is a profitable course to build NOW. All these things, and more, can be accomplished through a building exhibit.

CO-OPERATION will put the exhibit over, the co-operation of the Architects, Contractors and Materialmen, the real estate operators, the newspapers. All will profit by it, for when building is active every line of business benefits.

State Improvements

Construction of the proposed Capitol Extension buildings will be started in April, contracts having been awarded for the excavating, steel and iron work, brick work, terra cotta, granite work, concrete work and piling. The Capitol Extension project when completed will represent an outlay of approximately $4,000,000.

Construction of the State Printing Plant will undoubtedly be undertaken this year. While the exact nature of the building has not yet been determined, the State Department of Public Works expects to have plans under way in the immediate future. This structure will be erected at Eleventh and O streets, and will cost in the neighborhood of $200,000.

The State Highway Commission is completing a $250,000 warehouse in the Oak Park District.

A notable feature of the Sacramento building program is the report of the architects in declaring that plans for work grown dusty through continual postponements are going ahead. Projects on which construction was postponed include every class of building. High prices, labor troubles, the unforseen future, tightness of the money market, and other complaints which have had much to do with construction progress have been thrown to the winds, at least such is the case in Sacramento.

School Improvements

The school construction program consists of five new buildings now in course of construction: Newton Booth school, Geo. Wagner, contractor, cost $177,990; East Sacramento school, Wm. Murcell, contractor, $239,060; Bret Harte school, K. E. Parker Co., contractors, $184,600; Leland Stanford school, Betz and Mabrey, contractors, $225,499; Highland Park school, Robert Trost, contractor, $135,561.

The recently authorized $1,115,000 bond issue will finance additions to standing school buildings as follows. Riverside school, 3 room addition, cost $15,000; Washington school, 8 rooms, $60,000; Jefferson school, 2 rooms, $12,-000; Newton Booth school, 4 rooms $32,-500; Highland Park school, 4 rooms, $32,500; Elmhurst school, 2 rooms, $16,-000; El Dorado school, 2 rooms, $16,-000; Leland Stanford school, 4 rooms, $26,000; Bret Harte school, 4 rooms, $26,000; Fremont school, auditorium building, $40,000.

Plans for the structures under construction and those yet to be undertaken will be prepared by the Architectural and Engineering Commission of the city of Sacramento, composed of E. C. Hemmings, Jens C. Petersen and Geo. D. Hudnutt.

High School Addition

The Sacramento High School, plans for which were prepared by Architect Edgar A. Mathews of San Francisco, is about two-thirds completed, and represents an expenditure of approximately $650,000. Under the $1,115,000 bond issue the sum of $750,000 is provided for additions to this strucure, work on which will be started during the coming year.

Private Improvements

The total cost of contemplated private projects to be placed under construction in the immediate future is estimated by Geo. D. Hudnutt, Sacramento engineer, to cost $6,000,000. A rough tally on private work, publicly announced, follows: Weinstock-Lubin building, $1,000,000; Sacramento-San Joaquin Bank, $1,000,000; new Bank of Italy, 150,000; California State Life Insurance building, $1,000,000; public market building, $150,000; Crane Company building, $200,000; John Bruener building, $150,000; Consumers' Ice plant, $150,000; Paramount Theatre, $450,000; Sutter Hospital, $500,000; Sisters' Hospital, $750,000; miscellaneous buildings, $500,000. Projects listed under "Public Buildings," "Bond Issues Unexpended," Private Projects Under Way" and "Private Projects Promised" have a total valuation of $14,-335,000, according to figures compiled by Hudnutt.

E. C. HEMMINGS, SACRAMENTO ARCHITECT, REPORTS BUSY SEASON

Architect E. C. Hemmings, Ochsner Building, Sacramento, reports an exceptionally busy season. Construction under way and plans being prepared in his office for projects in and about Sacramento total approximately $425,000.

Architect Hemmings is preparing plans for extensions to the upper and lower buildings of North Sacramento School District, one story interlocking tile and stucco, cost $65,000; completing extensions to Bon Marche for Chas. P. Nathan and Sons, the general contract for which was awarded to Siller Bros., and the fixture work to L. and E. Emanuel, Inc., cost, $50,000; preparing plans for extensive alterations to T and D theatre, enlarging first floor, redecorating, installing ventilating and heating plant and lighting system, cost $40,000; preparing plans for enlargements and general alterations to Victor Theatre in Oak Park; installation of lighting system, heating and ventilating plant, cost $30,000; preparing plans for candy store and restaurant for Wm. Trust at 918 K street, cost $50,000; work under way for alterations to apartment building for Fred Anhener at 705 Ninth street, Herndon and Finnigan and J. C. Hobrecht, contractors, cost $12,000; preparing plans for apartment building for Fred Anhener at 9th and G streets, work to be started in July, cost $25,000; taking revised bids for El Dorado county bank, cost $40,000; preparing preliminary drawings for a building to contain nine stores in downtown district, construction to be started in May, cost $60,000; revising plans for First Baptist Church, cost $50,000; preparing plans to install Turkish Baths in Travellers Hotel, cost $3,000.

NEW BUILDING AND ZONING ORDINANCE FOR SACRAMENTO PLANNED

Work on the drawing of a building code and zoning ordinance for Sacramento is to be undertaken in the near future by an expert working under Committee of the City Council.

The matter already has been discussed with James Dean, of the Architectural and Engineering Commission, employed by the School Department and it is reported that he will be appointed to do the work.

A resolution authorizing the Development Committee to employ expert assistance to draft the ordinance has been passed by the City Council. City Engineer Albert Givan has supported the move because Sacramento is without a building code and what building regulations are enforced are State laws only.

It is said that the proposed ordinance will cover the matter of zoning, width of streets, types of buildings height which will be allowed, details of construction, specifications for approval heating, ventilation and fire protection apparatus, and materials which may be used in construction work.

$600,000,000 SPENT ON ROADS IN 1921

The Bureau of Public Roads of the United States Department of Agriculture estimate the total expenditure for construction and maintenance of roads in the country in 1921 to be $600,000,000. The sources of this fund are approximately as follows: Motor vehicle revenue, 19 per cent, state road bonds, 7 per cent, local road bonds, 33 per cent, state taxes and appropriations 12 per cent, Federal aid, 14 per cent, county, township and district taxes and assessments, 14 per cent; and miscellaneous 1 per cent.

With the breaking of ground, on April 16, for the $3,000,000 Sacramento State buildings, California's Capital City will be on its way to a new building record. For the past two years Sacramento has been trying desperately to meet her building needs. The growth of the city within that period has been greater than for any five-year period previously. In 1920 Sacramento set a new building record with $3,449,388 in construction value, but in 1921 that record was suspended to the extent of more than $1,250,000. That 1922 will see a considerably higher total than the record of 1921 is certain. The first month of this year was the biggest, from a building viewpoint, than any other in the history of the city, the total being over a million dollars. The Capitol Extension buildings will add $3,000,000, filtration plant $900,000, wharves $250,000 and schools $1,115,000. These are all public projects. Millions of dollars will be spent in private building enterprises.

Despite the fact that 532 residences were erected in Sacramento last year, and several hundred were under construction at the beginning of 1922, the city is still in need of new homes to take care of the steadily growing population. It is estimated that 1000 more residences are still needed to meet the city's requirements.

The voting of the new school bond issue of $1,115,000 on February 25 means that the city's school housing problem is solved for the next few years at least.

The erection of the State buildings will help relieve the office building shortage. Sacramento's largest office building is now occupied almost exclusively by State Departments. It will be several years before the State buildings are finished, and the problem of office space will be a difficult one in the meantime.

Likewise, there is need for more buildings to accommodate new industries and business places. Practically all available space has been taken during the past two years by new industrial and business concerns, and, as in the case of home building, every effort is being made to meet the pressing needs.

Sacramento is facing the facts with determination, and will endeavor to solve the building construction problem in the quickest possible time. It is estimated that the building total for 1922 will be $10,000,000, or more than the combined total in any two previous years in the city's history.

CLAYWORKING ONE OF THE FIRST INDUSTRIES IN SACRAMENTO

While not generally connected with the early history of Sacramento, clay working appears to have been one of the first industries established there. A week ago the old United States Assay Building in San Francisco was torn down, and it was discovered that a considerable portion of the building had been constructed of Sacramento brick.

As this pioneer assay office was built in 1850, it is evident there was a considerable brick business in Sacramento at that time.

Pottery manufacturers point out that within a short distance of Sacramento there is an abundance of natural materials for brick and pottery products of all kinds of both red and white clay. The business is steadily increasing, and there is every reason to believe it will be one of the important industries of this city for many years to come.

SUIT AGAINST CALIFORNIA HIGHWAY COMMISSION DISMISSED

(By State Highway Commission)

An important decision has just been rendered by Superior Court Judge J. Perry Wood of Los Angeles county in favor of the California Highway Commission.

For the first time in the history of the Commission an attempt was made through the medium of a court to set aside the determination of the Commission in the selection of a route for a State highway.

The suit was brought by Scott Alexander, of Long Beach, to compel the Commission to build the particular portion of the proposed Oxnard-San Juan Capistrano State Highway lying between Long Beach and Seal Beach immediately along the short between these points instead of slightly inland from the shore, the latter location having been decided by the Commission to be the more economical and practical one to be followed.

By choosing the inland route the Commission obviated the necessity of constructing two expensive bascule bridges over inlets of the sea and avoided serious right of way difficulties.

Judge Wood held that the choosing of the route rested entirely within the discretion of the Commission; that the court could not interfere unless bad faith was shown, and that the plaintiff had failed to establish this.

Thereupon Judge Wood ordered that judgment of non-suit be entered against Scott Alexander, the plaintiff.

The State Highway authorities were represented by Deputies Attorney General Arthur Keetch and John W. Maltman and C. C. Carleton, attorney for the California Highway Commission.

ENGINEERS TO INSPECT SACRAMENTO FILTRATION PLANT

The first excursion of 1922 of the San Francisco Section, American Society of Civil Engineers, will be a trip to Sacramento to inspect the new Pumping and Filtration Plant of that city, now under construction, and to witness a series of tests of concrete pipe.

The trip will be made on the Sacramento Steamer of the California Transportation Company, leaving 6.30 P. M., Thursday, March 23.

The city engineer of Sacramento, and the engineer of the filtration station will welcome the members of the Society at the plant. While construction of the filtration works proper has not yet begun, work on the new pumping station is at a very interesting stage, and the entire project will be illustrated on the ground by drawings and models.

Concrete Pipe Tests

After inspecting the pumping and filtration works, the party will proceed to the yards of the Valley Construction Co., where special apparatus has been designed and installed for testing concrete pipe from 8 to 36 inches in diameter to failure, both by internal water pressure and crushing by external loads. The pipe will be of several types and weights, both with and without steel reinforcing.

WEIGHTS OF MATERIALS

According to an Illinois law effective June 1st, 1921, whenever the following named commodities are sold by the cubic yard and the same are weighed, the following weights shall govern:

	Lbs. Per Cu. Yd.
Crushed stone	2500
Bank sand	2500
Torpedo sand	3000
Gravel	3000

FORTY MILLION DOLLARS EXPENDED IN LINCOLN HIGHWAY CONSTRUCTION

The Lincoln Highway Association, which has been promoting the development of the cross-country road since 1913, has just compiled the records of the eleven States and ninety-six counties traversed, and announces that improvements in 1921 surpass in extent the work accomplished during any other year in the history of the road's development. Three hundred and ninety-seven miles of new construction were completed at a cost of $7,737,473. Maintenance during 1921 cost the States and counties $1,735,433, so that the total amount expended on Lincoln Highway betterment was $9,472,906. The additional mileage improved last year represents 12 per cent of the total mileage.

The Association reports that 1921 accomplishments in each of the States crossed by the Lincoln Highway and the conditions which will be encountered by transcontinental tourists of 1922 as follows:

New Jersey

New Jersey completed 7.5 miles of the highest type of reinforced pavement, 10½ inches thick and 29 feet wide, at a cost of $756,649. This leaves but 15 miles of old macadam to be replaced, 5 of which the State proposes to construct this year. The maintenance on this 15 miles of old macadam in 1921 cost $121,948, or $7,918 per mile. New Jersey's 60 miles of Lincoln Highway receives the heaviest traffic of any section of the route. A detour will be necessary during most of 1922 between Highland Park and Metuchen, where the new construction will be under way. Other than this, the route will be open from Jersey City to Trenton.

Pennsylvania

In October, 1921, the Pennsylvania State Highway Department completed and opened with elaborate ceremonies a 25-mile stretch of concrete between Gettysburg and Chambersburg which eliminated the troublesome detour of near 70 miles which aggravated travellers across Pennsylvania for two years. The 15.8 miles completed on this stretch in 1921 cost $931,341, or an average of about $59,000 per mile. The State maintained 320 miles of the route between Pittsburg and Philadelphia in the best possible condition at a cost of $746,753, or $2,333 per mile. The cost of maintenance on Pennsylvania's old macadam is excessive, and the State will continue to replace it with concrete paving as rapidly as possible. The condition in which Pennsylvania's section will be found this season is indicated by a record run made across the State from Pittsburg to Trenton, N. J., a distance of 369 miles, on January 27, in 9 hours and 15 minutes elapsed time—an average running speed of 40 miles an hour. Tourists are not advised to emulate this example, however, as during the spring and summer the Lincoln Highway is well patrolled by State constabulary on motorcycles.

Ohio

Ohio finished 26.3 miles on her 241 mile section of the route in 1921. The cost of this work, which was largely vitrified brick pavement on a concrete base, totals $1,027,000, or an average cost per mile of $39,050. This work closed all remaining gaps in a hard-surfaced road from the Pennsylvania State line to Mansfield—117 miles—and did away for 1922 travel with the troublesome detours which were encountered so frequently in eastern Ohio last year. Work will be under way in 1922 between Mansfield and Bucyrus and between Bucyrus and Upper Sandusky. No construction is planned this year west of Upper Sandusky. While 40 miles of old macadam there is not in the best of condition, it can be travelled in all weather. State Highway Director Herrick plans on the completion of the Lincoln Highway across Ohio in 1923. The State's maintenance cost on 91 miles of the route in 1921 was $143,204, or an average of $1,573 per mile.

> It is probable that 1922 will see a greater volume of travel along the Lincoln Highway than ever before. As the most direct route across the continent; as the Highway leading to and through the scenes of America's historic past; as the road passing conveniently near the great National Parks of the West and the one upon which the greatest connecting improvement has been concentrated, the Lincoln Highway will, this year, be **the** great American tour. Hundreds of thousands will find pleasure and inspiration along its 3300 miles between the Hudson River and San Francisco Bay. The condition of the route is now a live subject of interest to motorists in every part of the Union.

Indiana

Indiana built slightly over 22 miles of concrete on the Lincoln Highway in 1921, at a cost of $782,580, or an average of $35,410 per mile. Maintenance on the balance of the route—142 miles—amounted to $90,000, or $633 per mile. Those sections of the Lincoln Highway in Indiana which are not yet paved are, in the main, high grade, well maintained gravel which, to the tourist, are a delight to drive over, but which, to the State, in view of the heavy traffic on the route, present a burdensome maintenance expense. It is expected that an additional long mileage of concrete pavement will be completed west of South Bend this year. Good detour roads will be provided either north or south of the Lincoln Way.

Illinois

Illinois had brought the Lincoln Way —170.6 miles across the State—very near to completion by the end of 1920. Only a few short gaps between Chicago and the Mississippi River remained to be built in 1921. These, totaling 21.1 miles, were finished last year at a cost of $605,940, or an average for 18-foot pavement of $28,717 per mile. This work left only 20 miles of the Lincoln Highway in Illinois unpaved, the stretch between Joliet and Aurora, now a good gravelled highway. This section will be under construction this year, and it is suggested that travel across Illinois detour from the Lincoln Highway at Chicago Heights or Joliet north through the western outskirts of Chicago to Aurora or Wheaton, from either of which points a continuous concrete pavement extends to the Mississippi River.

The maintenance on the paved Lincoln Highway in Illinois was negligible, but $12,843 was expended on keeping up the unpaved sections.

Iowa

Iowa forged ahead of every other State traversed by the Lincoln Highway in 1921 in the amount she expended on the improvement of her section —379 miles—between the Mississippi and the Missouri. For the first time a State west of the Mississippi expended more in improvement than the wealthy States of the East. Iowa completed 64 miles of Lincoln Way improvement last year at a cost of $1,866,374. The maintenance on the unpaved sections of the route cost the State $168,637. Over $2,000,000 on the Lincoln Highway in Iowa in one year! Who can say that State is not pulling out of the mud which so long distinguished her? If the State's plans for this year go through, at least as much will be spent on the betterment of the Lincoln Highway as was spent last year, when 30.7 miles of concrete pavement were laid, 14.8 miles of the route were gravelled, and 19 miles of new permanent grade established, preparatory to paving.

Nebraska

Nebraska completed 109.6 miles of construction on the Lincoln Way last year. Most of this work comprised sandclay or gravel surfacing. Western Nebraska has neither the funds nor the need as yet for a paved road, and the fine gravelled sections are kept in magnificent condition by State maintenance. Five and one-half miles of new brick were completed west of Omaha, closing the gap between that city and Fremont. The sum of $110,000 was spent on maintenance on Nebraska's 485-mile section last year. With the exception of one or two short stretches in the central part of the State, the drive from the Missouri River to Cheyenne, Wyoming, this year should be an unalloyed pleasure.

Wyoming

Wyoming will be the first Western Staate to properly complete her section of the Lincoln Highway. The magnificent road which has been built across the State for 452 miles through what appears to be almost uninhabited country is a never-failing wonder to the Eastern motorist. Only 50 miles of improvement is still required in Wyoming, and this it is expected will be completed this year. The work will not necessitate detours. Last year the State finished 66.6 miles of 24-foot gravelled grade, at a cost of $166,441. The abundance of road building material makes possible the construction of the highest type of road for the traffic there, at an average cost $2,500 a mile. Wyoming's maintenance cost is also low, averaging last year $136 per mile, or $60,416.

Utah

Utah has done practically nothing to improve the Lincoln Highway or any other road west out of Salt Lake City to the Nevada line for several years. The State has practically no road building funds and such construction as is undertaken must be financed by the counties with Federal aid. The desert counties in western Utah have a sparse population and a very low valuation. They themselves are almost helpless in endeavoring to provide a proper road for through traffic. As a result, Utah now presents the only real barrier to through traffic across the United States. In 1921 a few miles

of gravelling was accomplished east of Salt Lake City near the Wyoming line at a cost of $31,229. This represented the State's total contribution toward the completion of a through route across the continent.

Since the passage of the Federal Highway Act the Lincoln Highway from Salt Lake City east to connect with the Wyoming improvement has been designated as a Primary Federal Road and will be put in fine condition this year. The situation from Salt Lake City west is still unsettled. While the Lincoln Highway Association in 1918 contributed $125,000 to the State to aid in the improvement of the desert cut-off and the money has been spent, the State has not carried the improvement to completion as agreed or properly maintained the work accomplished, with the result that there is no satisfactory road west of Salt Lake to the Nevada line.

Seventy miles of the Lincoln Highway west of Tooele will be found in poor to very bad condition, depending upon the weather. The only other western connection possible during 1922 is, first, the road south from Salt Lake City to Provo, thence via Delta and Baker to Ely, Nevada, which increases the distance between Salt Lake City and Ely by 50 miles; and, second, a detour from the Lincoln Highway at Echo to Ogden and Brigham and around north of Great Salt Lake via Snowville to Cobre, Nevada, thence south and connecting with Ely. These latter routes are also in bad condition and their use will depend upon the weather.

Efforts are being made to bring about the completion of the Lincoln Highway in Western Utah with the Federal aid now available to the State under the terms of the Federal Highway Act, but sectional considerations in Utah dictate a policy on the part of the present administration aiming toward the completion of a road west out of Salt Lake City across the widest section of the Great Salt Lake Desert flats to Wendover, which has never before been traversed by any through traffic and which at the Nevada line connects with no improved highway leading west across Nevada. Just what improvement will be undertaken in Utah this year now depends upon the decision of the Bureau of Public Roads of the Department of Agriculture, as the Federal Government will pay 75 per cent of the cost of any highway construction undertaken. Regardless of what is done, however, the above outlined conditions will exist during 1922.

Nevada

Road building in Nevada was delayed last year through the failure of Congress to pass the Federal Highway Act, providing more money from the Federal Treasury to assist the Western States, until November. The State was unable to complete all her contracts with the Lincoln Highway Association, providing for the improvement of the poor stretches between Ely and Reno and Carson City. The worst stretch was completed — that across the Fallon Sink, which has long been a barrier to through traffic. The new ratio of Federal Aid in Nevada and additional Forest Reserve Funds will enable the State to proceed rapidly this year with the completion of the poor sections on the Lincoln Way. The prospects are that the Lincoln Highway by the end of the year will be in very fine condition. During 1922 several long rough stretches will be encountered in the central part of the State, but these, while disagreeable, are none of them impassable and the Lincoln Highway is the best road across Nevada. Nevada built 60 miles of new gravel grade on the Lincoln Way in 1921 at a cost of $715,000. Maintenance work here and ther cost $16,000.

California

The route of the Lincoln Way across California is, with the exception of those sections through the Sierra Nevada Mountains, paved in its entirety. Last year the State spent $239,424 in general maintenance and slightly over a mile of new concrete pavement was built at a cost of $30,528. The State has designated both branches of the Lincoln Highway from Sacramento to the Nevada State line on the routes to both Reno and Carson City as primary Federal Aid roads, and it is expected that progress will hereafter be made on the pavement of these mountain stretches which, however, are always in good travelable shape.

1921 Improvement Table

Briefly summarized, the work accomplished on the Lincoln Way in 1921 is given in the following table:

State—	Mileage	New Construction	Maintenance
New Jersey	7.56	$756,649.19	$121,948.06
Pennsylvania	15.80	931,341.23	746,753.61
Ohio	26.30	1,027,006.14	143,204.23
Indiana	22.16	782,580.90	90,000.00
Illinois	21.13	695,940.40	12,843.54
Iowa	64.26	1,866,374.00	168,637.00
Nebraska	109.65	824,382.32	110,007.21
Wyoming	66.60	166,441.00	60,416.00
Utah (estimated)	3.00	31,229.90	26,199.51
Nevada	60.00	715,000.00	16,000.00
California	1.16	30,528.60	239,424.01
Totals	397.56	$7,737,473.68	$1,735,433.17
Total expended on Lincoln Way in 1921			$9,472,906.85

$40,000,000 Invested in Nine Years

The expenditures on Lincoln Way improvement in 1921 brought the total expended on this national traffic artery since the dedication of the route in 1913, to over $40,000,000, or more than twice what was originally estimated would build the Lincoln Highway from coast to coast. What has this vast expenditure meant in the way of tangible improvement; in the way of smoothing the path between New York and San Francisco? The following table shows the mileage of each type of improvement now existing on the Lincoln Highway. Here is what you will encounter on a drive between the Atlantic and the Pacific in 1922:

Road Types Classified

Classification of types of road construction on the Lincoln Highway March 1, 1922, follows:

	Miles
Concrete	521.75
Brick	241.03
Bituminous Macadam	383.28
Macadam	287.10
Asphalt	78.00
Creosote Block	5.90
Granite Block	7.10
Graded Gravel	1,052.45
Natural Gravel	62.10
Graded Earth	526.99
Natural Earth	136.00
Sand	3.30
Total	3,305.00

Now Marked From Coast to Coast

The marking of the Lincoln Highway was finally completed in 1921 when, with the co-operation of the New Jersey State Highway Department, the last permanent signs were placed along the 60-mile link between Jersey City and Trenton. The balance of the marking done in 1919 and 1920 has been well maintained, with the result that a uniform marking system now extends from the Hudson River to the Golden Gate. The Lincoln Highway is the best marked road in America, and this system, installed at such great expense, is a wonderful aid to through traffic.

Traffic Will Be Heavy This Year

No definite statement can be made as to the exact number of tourists using the Lincoln Highway in 1921. It is obviously impossible to secure such statistics. But it is known from the records kept at the various touring bureaus and other sources of motoring information at main points along the Lincoln Highway that the travel last year exceeded the most sanguine expectations of those communities all along the route which now exert themselves to the utmost to cater to this highly profitable influx of business. Millions have been invested in new hotels garages, filling stations and other accommodations for the travelling public along the Lincoln Highway and yearly facilities for making the transcontinental drive comfortable and without hardship are increasing.

With the troublesome detours eliminated in the East; with the Middle Western roads rapidly nearing paved perfection, and with the difficulties of the Western journey largely restricted to less than 200 miles of possible rough going between Salt Lake City and Reno, there is every reason to believe that the traffic of 1922 will mark a new high point.

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Building News Section

APARTMENT HOUSES

Figures to be Taken Shortly.
APARTMENTS Cost, $35,000
BURLINGAME, San Mateo Co., Cal. NW Burlingame Ave. an El Camino Real.
Two 2-story frame and stucco apartments and garages (4, 5-room apartments, each building).
Owner—Mrs. Turner Johnson.
Architect—W. H. Toepke, 942 Market St., San Francisco.

General Contract Awarded.
APARTMENTS Cost, $320,000
LONG BEACH, Cal.
Eleven-story and basement Class A apartment house, 46x 114 (118 apts.)
Owner—Omar Hubbard.
Architect—John Parkinson, 420 Title Insurance Bldg., Los Angeles.
Contractor—Dow Constr. Co., 2600 Idell St., Los Angeles.

Plans Being Prepared—Sub-figures to be Taken in Two Weeks.
APARTMENTS Cost, $275,000
SAN FRANCISCO. SE Geary and Shannon.
Ten-story and basement class A apartment house (63 2-room apartments)
Owner—M. A. Little.
Architect—E. E. Young, 251 Kearny St., San Francisco.

Segregated Figures Being Taken.
APARTMENTS Cost, $55,000
SAN FRANCISCO. SW Grove and Scott.
Three-story and basement frame apartments (12 4-room apartments and basement garage).
Owner—Withheld.
Architect—E. E. Young, 215 Kearny St., San Farncisco.

Segregated Figures Being Taken.
APARTMENTS Cost, $60,000
SAN FRANCISCO. S Sacramento near Buchanan.
Three-story and basement frame and plaster apartment house building (6 7-room apartments).
Owner—John Siebe.
Architect—E. E. Young, 251 Kearny St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $13,000
OAKLAND. E College Ave. 175 N Claremont.
Two-story frame 10-room apartments and stores.
Owner—A. Van Heerdon.
Architect—None.
Contractor—F. W. Maurice, 1362 E-25th St., Oakland.

Contract Awarded.
APARTMENTS Cost, $12,000
OAKLAND. NE Fairfax Ave. and Bond St.
Two-story frame 16-room apartments and stores.
Owner—Dr. Marson, 5401 Bond St., land.
Architect—None.
Contractor—John Almquist, 5356 Trask St., Oakland.

Contracts Awarded.
APARTMENTS Cost, $400,000
SAN FRANCISCO. NW Filbert and Hyde Streets.
Six-story and basement Class A brick community apartment house (29 apts.)
Owner—Capo di Monte.
Architect—T. Paterson Ross, 310 California St., San Francisco.
Steel to Pacific Rolling Mills, 17th and Mississippi Sts.
Reinforcing Steel to Gunn-Carle, 444 Market St.
Grading and Concrete Work to American Concrete Co., Humboldt Bank Bldg.
Carpentry, Glass, Roofing, Etc., to C. T. Merchant, 180 Jessie St.
Plumbing and Electrical Work to The Turner Co., 272 Natoma St.
Painting to H. Maundrell, 180 Jessie Street.
Heating to Atlas Heating Co., 72 Freelon St.
Brick Work to A. W. Lawson, 180 Jessie St.

Plans to be Prepared.
APARTMENT HOUSE Cost, $——
SAN FRANCISCO. SE California and Octavia Sts., 68-9x137-6.
Apartment house.
Owner—Geo. W. Burnett.
Architect—C. H. Skidmore, Call Bldg., Mr. Burnett has just purchased the property and will build one or two apartments. Harry C. Warwick has been doing all the construction for Mr. Burnett.

Contract Awarded.
APARTMENTS Cost, $12,000
SAN FRANCISCO. N Hayes 206-3 W Ashbury.
Three-story and basement frame (6) apartments.
Owner—Geo. Cohn, 9 Stockton St., San Francisco.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—Louis J. Cohn, 110 Sutter St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $26,000
SAN FRANCISCO. S Eddy 62-6 E Hyde
Four-story and basement reinforced concrete (12) apartments; (all work except plastering).
Owner—Joseph Greenback, 371 Waller St., San Francisco.
Architect—None.
Contractor—Jacob Steur, 1409 Geary St., San Francisco.

Segregated Figures to be Taken in a Few Days.
APARTMENTS Cost, $45,000
SAN FRANCISCO. W Hyde S Geary Street.
Four-story and basement reinforced concrete apartments (12 2 and 3-room apts.)
Owner—A. Stocks.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.

Segregated Figures Being Taken.
APARTMENTS Cost, $30,000
SAN FRANCISCO. E Dolores 75 S 14th St.
Two-story and basement frame apartments (8, 3 and 4-room apartments with basement garage).
Owner—J. A. Tracy.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Owner Taking Figures.
APARTMENTS Cost, $50,000
SAN FRANCISCO. S California 137-6 W Laguna.
Three-story and basement frame apts. 12, 4 and 5-room apts.)
Owner—Wm. Mensor.
Architect—C. O. Clausen, Hearst Bldg., San Francisco

Owner taking figures for a General Contract.
APARTMENTS Cost, $20,000
SAN FRANCISCO. S Anza 115 E 17th Ave.
Two-story frame apartments (6, 3-room apartments)
Owner—Max Taylor, 315 4th Ave., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Segregated Figures Being Taken.
APARTMENTS Cost, $——
LOS ANGELES. Maryland and Bixel Sts.
Four-story and basement class A apartment house 100x104 (50 apts.)
Owner—George Marcell.
Architect—H. C. Deckbar, 1007 Wright & Callender Bldg., Los Angeles.

Contract Awarded.
APARTMENTS Cost, $33,000
SAN FRANCISCO. NE 2nd Ave. and Hugo St.
Three-story and basement frame (6) apartments.
Owner—L. Linden, 62 7th St., San Francisco.
Architect—None.
Contractor—W. D. Henderson, Monadnock Bldg., San Francisco.

Contract Awarded.
APARTMENTS Cost, $20,000
SAN FRANCISCO. S California 137-6 W Laguna.
Three-story and basement frame (12) apartments.
Owner—Wm. Mensor, et. al.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—I. Mensor, 2565 Washington St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $13,000
OAKLAND. E Euclid Ave. 103 N Lagunitas.
Two-story frame 14-room apartment house.
Owner—G. Sagehorn, 706 25th St., Oakland.
Architect—None.
Contractor—F. A. Muller, Syndicate Bldg., Oakland.

To be done by Day's Work.
APARTMENTS Cost, $75,000
SAN FRANCISCO. N O'Farrell 112-6 W Hyde.
Four-story and basement brick (23) apartments.
Owner—D. J. Clancy, 2884 Folsom St., San Francisco.
Architect—None.

To be done by Day's Work and Subcontracts.
APARTMENTS Cost, $60,000
SAN FRANCISCO. S Geary 137-6 E Taylor.
Five-story and basement concrete stores and apartments.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—David C. Coleman, 110 Sutter St., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $75,000
SAN FRANCISCO. Sutter St.
Six-story class C apartment house (25 2 and 3-room apartments).
Owner—Withheld.
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.

Bids Opened.
APARTMENTS Cost, $——
SAN FRANCISCO. N Geary — E Commonwealth.
Three-story and basement frame and plaster apartment house (6 apts.)
Owner—T. D. Harder.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.

General Contract

G. P. W. Jensen, 320 Market St.	$32,275
M. T. Ingraham	32,620
Geo. A. Bos	38,705
Dowsett & Rouhl	36,384

P. J. Lynch submitted a bid for all work except plumbing, heating, electric work, paint and ornamental iron, $24,683.

The general contract includes all work, hardware, window shades and light fixtures. The contract will be awarded to G. P. W. Jensen.

Preliminary Plans Being Prepared.
APARTMENTS Cost, $140,000
SAN FRANCISCO. Western Addition.
Six-story and basement Class C apartment house (40 2 and 3-room apts.)
Owner—Withheld.
Architect—W. H. Ratcliff Jr., 1st Nat'l. Bank Bldg., Berkeley.

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EVERYBODY has been standing around long enough yelling "Hard Times." "There aint no such animal." It's only a suspicion in the minds of a few people.

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Fuller's 15 For Floors Varnish, is unexcelled as a protecting and beautifying product for floors of wood. Rolling furniture, heel marks, etc., do not show up when this product is applied.

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Concrete and Carpenter Work Awarded
ADDITION Cost, $22,000
SAN FRANCISCO. O'Farrell near Jones
Four-story reinforced concrete Class C addition to one-story store building, for apartments.
Owner—Frank Kelley.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—F. L. Hansen, 251 Kearny St., San Francisco.

Plans Being Figured.
APARTMENTS Cost, $15,000
SAN FRANCISCO. Noe St. near 14th St.
Two-story and basement frame and plaster apartments (4 4-room apartments and basement garage).
Owner—Withheld.
Architect—Paul F. DeMartini, 946 Broadway, San Francisco.
Bids are being taken for a general contract.

Permit Applied For.
APARTMENTS Cost, $10,000
OAKLAND. NE Park Blvd. and Montclair.
Two-story frame 12-room apartment house.
Owner—T. A. Pedersen, 1398 E-27th St., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.

Plans Being Prepared.
APARTMENTS Cost, $——
SAN FRANCISCO. Green near Webster
Two-story frame and plaster (4) apartments.
Owner—Withheld.
Architect—Ernest Hildebrand, 110 Sutter St., San Francisco.

Plans Being Prepared—To be done by Day's work.
APARTMENTS Cost, $50,000
OAKLAND. Near Lake Merritt.
Three-story frame and plaster apartment house (15 2 and 3-room apts.)
Owner — M. F. Sommarstrom, 3145 Champion St., Oakland.
Architect—Clay N. Burrell, First Saving Bank Bldg., Oakland.

Plans Completed.
ADDITION Cost, $20,000
OAKLAND. SW Alcatraz and Telegraph Aves.
Two-story addition to apartments.
Owner—Henry C. Donnovan, 527 Alcatraz Ave., Oakland.
Architect—M. I. Diggs, Easton Bldg., Oakland.

Completing Plans—To be done by Day Work.
APARTMENTS Cost, $20,000
SAN FRANCISCO. E Taylor 87-6 S Pine 25x81-6.
Three-story and basement frame and plaster apartments (6 3-room apts)
Owner—Martin S. Show, 1901 California St., San Francisco.
Architect — Frederick W. Quandt, Monadnock Bldg., San Francisco.

SAN FRANCISCO—Mrs. C. S. Hurst, 735 Taylor St., has purchased the property on the northwest corner of Geary and Leavenworth streets, and will improve it with a large apartment house building.

BANKS

Contract to be Awarded.
BANK Cost, $30,000
HALFMOON BAY, San Mateo Co., Cal.
One-story brick bank building.
Owner—Half Moon Bay Bank.
Architect—E. A. Larsen, Halfmoon Bay.
Ward & Jones, 180 Jessie St., San Francisco, submitted the lowest bid at a little over $20,000, and Barrett & Hilp the second lowest. The contract will be awarded to the low bidders and will include all work except marble, bronze, vaults, safe deposit boxes, lighting, ventilating and heating systems, which will be done by the Herman Safe Co.

Commissioned to Prepare Plans.
ADDITION Cost, $200,000 Approximately.
SAN FRANCISCO. Adjoining No. 426 California Street.
Class A addition to bank building.
Owner—San Francisco Savings & Loan Society.
Architect — Herbert A. Schmidt, 251 Kearny St., San Francisco.

BONDS

TRACY, San Joaquin Co., Cal—Bonds of $300,000 voted in Pescadero Reclamation District No. 2058 to pay off warrants, purchase land and construct reclamation works.

LOS ANGELES, Cal.—The City Council has decided to submit at the August primary election a bond issue, about $12,800,000, for construction of a new outfall sewer and a screening plant at Hyperion according to original plans. The proposition to build two interceptors and treatment plants at a cost of $4,000,000 was abandoned because of the great expense of operating the treatment plants with no assurance of any return.

VISALIA, Tulare Co., Cal.—Election will be held March 31st, to vote bonds of $110,000 to finance construction of three new schools.

SELMA, Fresno Co., Cal.—Selma Union High School District bond issue of $230,000 to finance construction of new high school, sold by supervisors for premium of $4,071. Plans for structure being completed by Architect Norman F. Marsh, Broadway Central lBdg., Los Angeles.

TURLOCK, Stanislaus Co., Cal.—Election held to vote bonds of $36,000 to construct additions to two grammar schools carried.

BRENTWOOD, Contra Costa Co., Cal.—Election will be called shortly to vote bonds of $25,000 to build grammar school.

CENTERVILLE, Alameda Co., Cal.—Straw vote shows people in favor of election to vote bonds to finance construction of high school buildings to serve Washington township.

O. H. MILLER, Manager

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CHURCHES

Contract to be Awarded.
CHURCH Cost, $18,000
OAKLAND, Alameda Co., Cal. Fruitvale Boulevard.
One-story brick or hollow tile church
Owner — Third Church of Christ Scientist.
Architect—H. H. Gutterson, 278 Post St., San Francisco.
Contractor—John Morton, Balboa Bldg., San Francisco.

Plans Being Prepared.
CHURCH Cost, $100,000
SAN MATEO, San Mateo Co., Cal. Tilton Avenue from Ellsworth to Griffith.
Reinforced concrete church, 600 seating capacity (tile roof).
Owner—Congregational Church.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

FACTORIES & WAREHOUSES

Plans Being Prepared.
AUTO STAGE DEPOT Cost, $40,000
SAN JOSE, Santa Clara Co., Cal. W Market between Santa Clara and Post Sts.
Two-story reinforced oncrete auto stage depot.
Owners—Alex Hart, Jas. Beatty, Gus. Turrel, et. al.
Lessee—Peninsula Rapid Transit Co.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.

Plans to be Prepared.
FACTORY BUILDING Cost, $60,000
SACRAMENTO, Cal. R Street.
Three-story and basement reinforced concrete candy factory 40x160.
Owner—California Candy Co.
Architect to be selected shortly.
Contractor—A. W. Norris, Peoples Bank Bldg., Sacramento.
Directors of the company are: Walter Culmsee, former Marysville candy manufacturer; A. W. Norris, local contractor; R. H. Malhood, vice-president of the Sacramento-San Joaquin bank; A. N. Bullock, Sacramento printer; James T. McBride and Lester G. Brownnell. Temporary offices are maintained with H. W. Kafer, 1024 Eleventh street.

Contract Awarded.
BUILDING Cost, approximately $130,000.
SAN FRANCISCO. NW 1st & Howard.
Five-story and basement reinforced concrete building for printers, etc.
Owner—Bothin Estate.
Architect—Arthur G. Bugbee, 26 Montgomery St., San Francisco.
Contractor—Cahill Bros., 110 Sutter St, San Francisco.
The grading was let some time ago to The Carlin Grading Co.

Contract Awarded.
BUILDING Cost, $33,000
SAN FRANCISCO. SE 8th and Howard.
Two-story and basement reinforced concrete building.
Owner—Bothin Estate Co.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Contractor—Cahill Bros., 110 Sutter St. San Francisco.

Contract Awarded.
WAREHOUSE Cost, $80,000
OAKLAND, Alameda Co., Cal. NE 6th and Franklin Sts.
Three-story reinforced concrete warehouse.
Owner — Zellerbach Paper Co., 618 Franklin St., Oakland.
Architect—None.
Contractor—Oliver Duval & Son, Dalziel Bldg., Oakland.

Plans Completed.
FACTORY Cost, $9,475
OAKLAND. SW 67th St. and San Pablo Ave.
One-story factory and store; 1-story warehouse and concrete vault.
Owner—Chas. J. Braun, 6551 San Pablo Ave., Oakland.
Architect—Not given.

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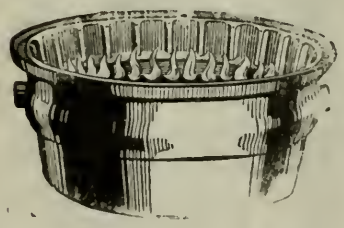

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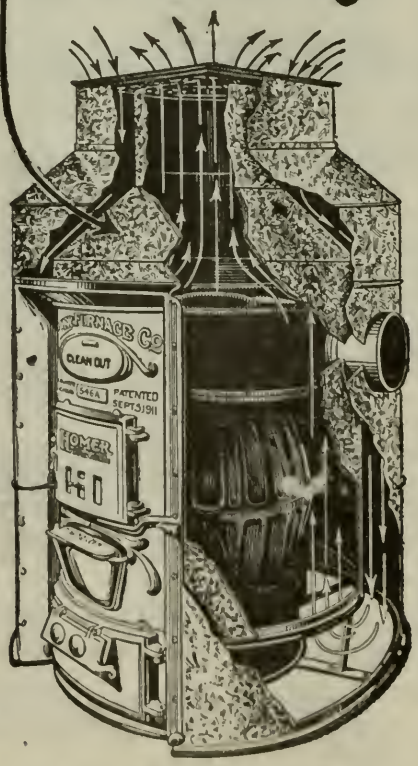

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Piling Contract Awarded.
WAREHOUSE Cost, $25,000
RICHMOND, Contra Costa Co., Cal. E Potrero Ave., Lot 4, Turksbury Estate.
One-story steel and sheet metal warehouse and storage tank.
Owner—Galena Signal Oil Co., Monadnock Bldg., San Francisco.
Engineer—D. Dorward Jr., 16 California St., San Francisco.
A. W. Kitchen, 110 Market St., San Francisco, has been awarded the contract for the piling (about 300 piles). Sub-figures will be taken shortly on the balance of the work.

INGLEWOOD, Los Angeles Co., Cal.—Geo. R. Healey Co., 848 Santee St., Los Angeles, is planning the erection of a new factory at Inglewood. The main building will be 50x250 ft. with a basement, 50x125 ft., and the mill building will be 50x100 ft. G. G. Stewart of Inglewood, is preparing the plans. The buildings will be of brick or frame construction.

COLFAX, Placer Co., Cal.—B. C. Soule, owner of a large tract of timber land on the Forest Hill Divide, and L. D. Stephenson, engineer in charge of operations, are conferring with the Chamber of Commerce, seeking a 25-acre site for a piling ground, planing mill and box factory.

SELMA, Fresno Co., Cal.—Immediate construction of the Fresno Tire and Rubber Co's plant will be started here shortly, steel for the structures having been shipped from Los Angeles. The main building will be 60 by 250 feet and will be three stories in height of brick and steel construction. Surveys were prepared by Engineer John S. Bates, Rowell Bldg., Fresno.

BERKELEY, Alameda Co., Cal.—Council withdraws appropriation of $4,000 to repair municipal wharf and construct curtain wall. C. L. Huggins, city engineer.

FIREHOUSES AND JAILS

SAN FRANCISCO—Following bids received by Board of Public Works, for erecting drill tower for fire department in Division St. between 10th and 11th Sts. Plans were prepared by Architect Frederick H. Meyer, Bankers Investment Bldg.:

General Construction

I. M. Sommer (low)	$23,847
A. H. Vogt	26,863
J. D. Hannah	27,897
John Spargo	27,475
Harry Hilp	27,900
Andersen & Ringrose	28,591
Architect's Estimate	24,000

Brick and Hollow Tile

Chas. Hock (low)	$ 9,375
Thos. J. Campbell	10,540
Farrell & Reed	10,900
E. Hogberg	12,100
M. B. McGowan	11,549
White & Gloor	10,439
A. W. Lawson	12,750
Andersen & Ringrose	13,000
Architect's estimate	14,000

Electric Work

F. E. Newbery (low)	$1,135
Butte Elec. & Equip. Co.	1,576
S. M. Radelfinger	1,375
The Turner Co.	1,680
Geo. F. Smith	1,244
Collonan Elec. & Mfg. Co.	1,347
Watts Elec. Co.	1,200
M. E. Ryan	1,460
Architect's estimate	1,900

Plumbing and Heating

A. Littich (low)	$2,153
Oscar Aaron	2,245
Alex Coleman	2,294
Turner Co.	2,580
J. E. O'Mara	2,655
Gilley-Schmidt Co.	2,470

FLATS

Plans Completed.
FLATS Cost, $16,000
SACRAMENTO. 1614 O St.
Three-story frame flats (6 4-room flats).
Owner—J. W. Farrington, 712 8th St., Sacramento.
Architect—Not given.

Sub-figures to be Taken in About a Week.
FLATS Cost, $——
SAN FRANCISCO. Entire block on Fulton opposite Ashbury.
Fourteen 2-story and basement frame flats buildings (2 5-room and garages each); and Two 3-story frame apartments (9 2, 3 and 4-room apartments).
Owner—W. L. Hemminga, 47 Ashbury St., San Francisco.
Plans by owner.
A terrace is being constructed in the center of the block to be known as "Hemway Terrace." The buildings will be erected on lots 33½x80 feet.

Owner taking figures for a General Contract.
FLATS Cost, $12,000
SAN FRANCISCO. E 19th Ave. 275 S Anza.
Two-story and basement frame flats (2, 7-room flats).
Owner—Jules Delucchi.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

To be done by Day's Work.
FLATS Cost, $12,000
SAN FRANCISCO. W 16th Ave. 221 S California.
Two-story and basement frame flats (2, 6-room flats and garages).
Owner—E. G. Oden.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Plans Being Figured.
FLATS Cost, $12,000
SAN FRANCISCO. W Fourteenth Ave. between Geary and Anza Sts.
Two-story and basement frame and plaster flat building (2 6-room flats with basement garage).
Owner—Mr. Littlepage.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Figures are being taken for a general contract.

Plans Being Figured.
FLATS Cost, $12,000
SAN FRANCISCO. NW Dolores and Twenty-sixth Sts.
Two-story and basement frame and plaster flats (2 6-room and basement garage).
Owner—John Schroeder.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Figures are being taken for a general contract.

Contract Awarded.
FLATS Cost, $13,000
OAKLAND. E Telegraph Ave. 60 S 65th St.
Two-story 16-room frame flat building and garage.
Owner—Chas. W. Howard, 6420 66th St., Oakland.
Architect—None.
Contractor—F. W. Tharter, 2117 Derby St., Berkeley.

Contract Awarded.
FLATS Cost, $11,200
SAN FRANCISCO. W 15th Ave. 100 N Fulton St.
Two-story frame flat building.
Owner—Mrs. Nellie Hunt, 750 12th Ave., San Francisco.
Architect—None.
Contractor—Emil Nelson, 4835 Geary St., San Francisco.

Contract Awarded.
FLATS Cost, Approximately $15,000
SAN FRANCISCO. SW Clement and 17th Ave.
Two-story and basement frame (4) flats.
Owner—Dr. L. Gemeniani.
Architect—T. Paterson Ross, 310 California St., San Francisco.
Contractor—E. J. Montgomery, 1340 Broadway, San Francisco.

Contract Awarded.
STORE AND FLATS Cost, $10,324
SAN FRANCISCO. W Divisadero 109-6 S Ellis.
Two-story and basement frame store and (2) flats.
Owner—Henry Verleger, 233 Post St., San Francisco.
Architect—Edw. G. Bolles, 233 Post St, San Francisco.
Contractor—G. Petterson, 251 Kearny St., San Francisco.

Contract Awarded.
FLATS Cost, $11,400
SAN FRANCISCO. N California 56 E 18th Ave.
Two-story frame (2) flats.
Owners—John and Kate Bellan, 723A Green St., San Francisco.
Architect—E. A. Hermann.
Contractor—Olson & Persson, 248 Fell St., San Francisco.

Contract Awarded.
FRAME FLATS Cost, $12,255
SACRAMENTO, Cal. Lot 3 E ½ 1, J. 28th and 29th Sts
Two-story frame flat building (3 4-room and 1 5-room flats).
Owner—Thos. N. and Peachie A. Chamberlain.
Architect—Not Given.
Contractor—Jas. T. Randall Jr., 105. 41st St., Sacramento.

Segregated Figures to be taken Next Week.
FLATS Cost, $19,000
SAN FRANCISCO. NE 11th Ave. and Judah St. 36x100.
Two-story and basement frame and plaster flats (6 3 and 4-room flats).
Owner—Mrs. S. Johe.
Architect—Frederick W. Quandt, Monadnock Bldg., San Francisco.

Contract Awarded.
FLATS $12,000
SAN FRANCISCO. E Divisadero 137-6 N Union Street.
Two-story and basement frame (2) flats.
Owner—Harvey A. Allen, 334 Pine St., San Francisco.
Architect—J. F. Dunn (deceased).
Contractor—Boxton & Zwieg, 809 Flatiron Bldg., San Francisco.

GARAGES

Contract Awarded.
GARAGE Cost, $13,000
SAN FRANCISCO. 340-50 Fell St.
One-story brick garage
Owner—Luther M. Smith, 520 Judah St., San Francisco.
Architect—None.

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Contractor—E. K. Building Co., 77 O'-Farrell St., San Francisco.

Preliminary Plans Being Prepared.
GARAGE Cost, $16,500
SAN FRANCISCO. N Ellis W Mason.
Five-story and basement reinforced concrete public garage.
Owner—United Garage Co.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.

Contract Awarded.
GARAGE Cost. $10,500
ALAMEDA, Alameda Co., Cal. 2395 Webster St.
Garage.
Owner—Associated Oil Co., San Francisco.
Architect—None.
Contractor—A. H. Vogt, 185 Stevenson St., San Francisco.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—Lange & Bergstrom, Washington Bldg., Los Angeles, and Monadnock Bldg., San Francisco, were low bidders at about $487,000, for erecting six barracks buildings, and two entrance buildings and gates at the naval training station, San Diego; bids opened at Washington, D. C., Mar. 8. Other bidders were: Wm. Simpson Construction Co. and W. E. Kier Construction Co. bid $491,000 and Wright & Doran, San Diego, bid $497,000. The buildings will be of reinforced concrete and hollow tile construction, plastered exteriors and tile roofs.

SAN FRANCISCO—Until March 24, 10 a. m. bids will be received by Quartermaster Supply Officer, Fort Mason, for fur. and del. under Proposal No. 22-49: 40 electric line poles, Idaho cedar, 7-in. top and 35-ft. long; 60 wood cross arms 3½-in. by 4½-in.; electrical materials; pocket knives; plumbers hammers; wire rope thimbles; 300 lbs wrought washers.

WASHINGTON, D. C.—J. A. McEachen Co., 552 Columbia Bldg., Seattle, Wash., awarded contract by Bureau of Yards and Docks, Navy Department, to construct sea wall at Puget Sound Navy Yard. Items 6, 7 and 8, $300,000; time for completion 360 days; unit prices on items 8, 11 to 16, also accepted. Complete list of bids published in issue of March 7.

BUREAU OF YARDS AND DOCKS, Navy Department, Washington—Bids are wanted until April 12, Specification 4579, for constructing gun shed and stable at the Marine Corps base, San Diego, Calif. For information address above.

BUREAU OF YARDS AND DOCKS, Navy Department, Washington—Bids are wanted until April 12, Specification 4577, for extension to building No. 368 for ordnance storage at Puget Sound, Wash. For information address above.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, March 2.—Sealed proposal will be opened in this office at 3 P. M., March 29, for extension to workroom and driveway, United States post office, Salem, Ore. Drawings and specifications may be obtained from the custodian at the building, or at this office, in the discretion of the supervising architect. James A. Wetmore, acting supervising architect.

WASHINGTON, D. C.—Devault & Deitrick, Canton, Ohio, at $89,664, submits low bid to Supervising Architect, Treasury Department, to construct U. S. Postoffice at Globe, Ariz. Other bids: C. E. Goodhand, Gering, Neb., $97,000; W. D. Lovell, Minneapolis, Minn., $93,400. Garber & Cissel, Bethlehem, Pa., $114,000; Wm. MacDonald Construction Co., St. Louis, $104,900; J. H. Wiese Co., Omaha, Neb., $104,219; Algernon Blair, Montgomery, Ala., $103,980.

KETCHIKAN, Alaska—General Electric Co., at $1,028.70, awarded contract by Lighthouse Superintendent, at Ketchikan, for furnishing steam engine-driven generating set. Other bids: B. F. Sturtevant Co., $1,252; H. R. L. Motor Co., Seattle, Wash., $1,189.

WASHINGTON, D. C.—Until Mar. 27, under Circular No. 1474, bids will be received by Panama Canal Commission, for furnishing 1 oil handling pump and 1,350,000 ft. B.M. Southern yellow pine or Douglas Fir; also 400 ft. do. Further information regarding this circular may be had from Assistant Purchasing Agent, Fort Mason, San Francisco.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for furnishing and delivering materials to Navy Yards, date for opening bids as noted at end of each paragraph:

Sched. 9500, for Puget Sound, 2,850 pounds commercial brass. April 4.

Sched. 9501, for Puget Sound, 10,000 ft. galvanized steel conduit, ½ in.; April 4.

Sched. 9502, for Puget Sound, 1,500 pounds spelter solder for use in brazing brass and copper; April 4.

Sched. 9504, for eastern and western yards, 130 single contact relays; Apr. 4.

BENICIA, Solano Co., Cal.—Until Mar. 24, 11.45 A. M., bids will be received by Commanding Officer, Benicia Arsenal, for furnishing and delivering under Supply No. 65: 5 bales excelsior packing; 300 lbs. steel wire nails; 40 reels box strapping iron; 9 lbs. copper rivets and burrs: carpenter's drawing knife; 4 doz. rifle cleaning brushes; 6 pairs steel strap hinges, etc.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., March 6, 1922—SEALED PROPOSALS will be opened in the office of J. W. Roberts, Supervising Superintendent, Room 403, Post Office, San Francisco, California, at 12 M., April 10, 1922, or at this office at 3 P. M., April 10, 1922, for the installation complete of the Mechanical Equipment for the Central Heating Plant, Outside Services, and 19 Hospital Buildings, at the United States Veterans Hospital No. 24, Palo Alto, Calif. Drawings and specifications may be obtained from the Office of J. W. Roberts, in San Francisco, on or after March 15th, or from this office on or after March 8th, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

SAN FRANCISCO—Senator Samuel Shortridge has introduced a bill seeking appropriation of $1,500,000 for a new U. S. Public Health Service marine hospital for the San Francisco Presidio.

SAN FRANCISCO—Until Mar. 27, 10 A. M., under Circular 22-51, bids will be received by Quartermaster Supply Officer, Fort Mason, for furnishing and delivering: 11,500 lbs. structural steel shapes, in commercial bars; 1 bar mild steel, 3x5-in., not less than 21-ft. long; 1,200 lbs. spring steel, flat for locomotive springs; 500 lbs. tool steel; 100 lbs. cast steel spring wire; 4 emery grinding wheels; 6 engineer's wrenches, paint brushes; 1,000 motor brushes; 480 lbs. pumice stone, etc., etc.

WASHINGTON, D. C.—The following bids were received on March 15th, by the Bureau of Yards and Docks, under Specification 4586, for steam supply system for the naval training station, San Diego, Calif.:

G. E. Engineering Co.	$168,300
Allen Pope	187,370
John Danforth	187,857
Lange & Bergstrom	260,000
John Proctor	195,102
Thomas Haverty Co.	219,900
Miller & Eddleman	205,277
Sherlin Engineering Co.	302,131

WASHINGTON, D. C.—Only two bids were received by the Bureau of Yards and Docks, Navy Department, for a one-story extension to shell house and an identical extension to magazine, at the Navy Yard (Ammunition Depot), Mare Island, California. Each Extension will have a wood-finish flooring and concrete fill on reinforced concrete floor base; exterior reinforced concrete platform; concrete foundation on timber stucco; steel columns and trusses; asbestos shingle roofing on wood deck; and a lightning protection system. (Specification No. 4561):

John Pringle, 2364 32nd Ave.	$81,000
H. C. Vensano, 110 Sutter St.	83,536

HOSPITALS

Contractor Taking Sub-figures.
HOSPITAL Cost, $190,000
SAN JOSE, Santa Clara Co., Cal. N E-Santa Clara St. near 14th St.
Three-story reinforced concrete hospital (75 beds).
Owner—San Jose Hospital Association, a corporation.
Architects—Binder & Curtis, 255½ S-First St., San Jose.
Contractor—E. E. Etherton, Monadnock Bldg., San Francisco.
Mr. Etherton was awarded the contract on a cost-plus basis and is now taking figures for millwork, plastering, cast cement, painting, tile and composition roofing, marble and composition flooring.

HOTELS

Preliminary Plans Prepared.
HOTEL Cost, $2,000,000
FRESNO, Fresno Co., Cal. Mariposa & M Streets.
Class A hotel building, about 20 stories high.
Owner—California Hotel Co., S. N. Griffith, Promoter.
Architects—Willis Polk Co., Hobart Bldg., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.

Commissioned to Prepare Plans.
HOTEL Cost, $250,000
MARYSVILLE, Yuba Co., Cal.
Five-story fireproof hotel building.
Owner—A Corporation formed by Marysville Business Men and the Chamber of Commerce.
Architects—Ward & Blohme, 454 California St., San Francisco.

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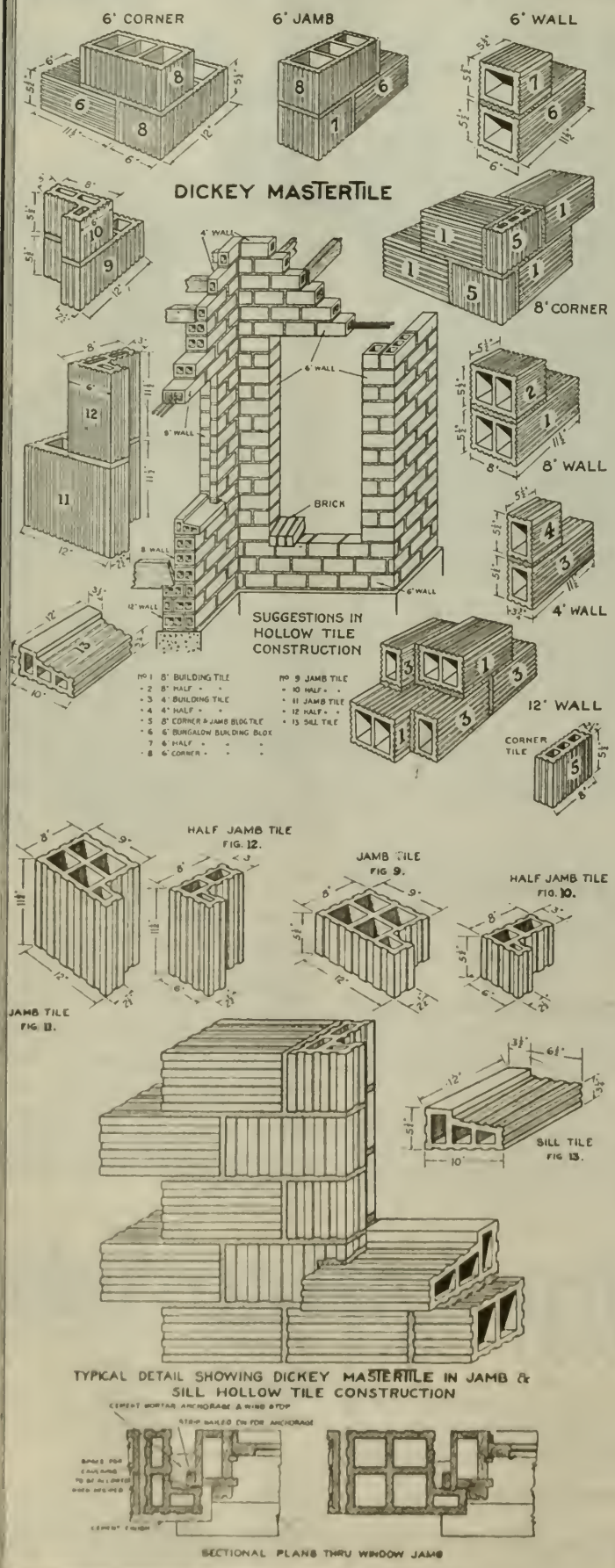

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Plans Being Figured.
ADDITION Cost, $25,000
RICHMOND, Contra Costa Co., Cal. Macdonald Ave.
Two-story addition to present 1-story brick store, for hotel building (40 rooms).
Owner—Withheld.
Architect—Albert Fabre, 110 Sutter St., San Francisco.

Contract Awarded.
HOTEL Cost, $5,086,000
LOS ANGELES. 5th and Olive Sts. and Grand Ave.
Fourteen-story and basement Class A hotel 320x198 (Biltmore Hotel) 950 rooms and baths.
Owner—Biltmore Hotel Co.
Lessee—Bowman Hotel Co.
Architect—Schultze & Weaver, New York, and 633 Pacific Mutual Bldg., Los Angeles.
Contractor — Scofield Engineering and Construction Co., Pacific Finance Bldg., Los Angeles.
Lange & Bergstrom, Washington Bldg., Los Angeles and Monadnock Bldg., San Francisco, submitted a bid at $4,991,773, but the contract was to the Scofield Co. on account of the time limit it is stated.

POWER PLANTS

Plans Completed.
POWER HOUSE Cost, $40,000
YOUNTVILLE, Napa Co., Cal. Yountville Veterans' Home.
Reinforced concrete power house.
Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Sacramento.
Work will probably be done by force account and expected to be started in April.

PUBLIC BUILDINGS

WEAVERVILLE, Trinity Co., Cal.—County Supervisors have $12,000 available to construct Soldiers' Memorial Building to be erected in Weaverville.

OLYMPIA, Wash.—Pratt & Watson, Tacoma Wash., at $397,514 awarded a contract to construct foundation and first story of the main administration building of the State Capitol group.

SACRAMENTO, Cal. — The State Highway Commission received the following bids on March 15th, for brick work, lumber, millwork, lathing and plastering, glazing, sheet metal, painting, roofing, finish hardware, mastic flooring and miscellaneous iron, for the construction of a testing laboratory building in Sacramento:
Wm. Murcell, Ochsner Bldg., Sacramento $12,968
Robert Trost, S. F..... 15,189
M. E. Hopper & Son, Oakland.. 15,384
Mathews Constr. Co., Sacramento 16,981
C. J. Hopkinson, Sacramento.. 17,596
Last week contracts were awarded to Latourrette-Fical Co., 2731 Sacramento Blvd., Sacramento, for plumbing plumbing at $17884, and electrical work at $3,285. The balance of the work will be done by commission.

RESIDENCES

Contract Awarded.
RESIDENCE Cost, $12,300
SAN MATEO, San Mateo Co., Cal. Lot 37, Baldwin and Howell Resubdivision, San Mateo Park.
Two-story and basement frame residence.
Owner—A. A. Tobin, 702 Laurel, San Mateo.
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.
Contractor—Leadley & Wiseman, 207 2nd St., San Mateo.

Plans Being Figured.
RESIDENCE Cost, $20,000
SAN FRANCISCO. E Fulton 32 N Balboa.
Two-story and basement frame residence (9 rooms, 2 bathrooms and garage).
Owner—J. H. Meierdiercks.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Figures are being taken for a general contract.

Contract Awarded.
RESIDENCE Cost, $13,315
PIEDMONT. Lots 13 and 17, Crocker Tract.
One and one-half story frame and plaster residence.
Owner—Mary Nelson Hackett.
Architect—John Hudson Thomas, 1st National Bank Bldg., Berkeley.
Contractor—Louis O. Hansson, 1409 Bonita St., Berkeley.

Plans Being Prepared.
RESIDENCE Cost, $——
OAKLAND. Claremont District.
Two-story and basement frame and plaster residence.
Owner—Wm. A. Powell.
Architect—Morow & Garren, Chronicle Bldg., San Francisco.

Bids In—Contract to be Awarded Shortly.
RESIDENCE Cost, $——
OAKLAND. Lakeshore Highlands.
Two-story frame residence.
Owner—J. Kingston, 670 Broadway, Oakland.
Architect—Morrow & Garren, Chronicle Bldg., San Francisco.

Materials Being Purchased—To be done by Day's Work.
DWELLINGS Cost, $3000 to $3500 ea.
SAN FRANCISCO. Vicinity of 33rd and Funston Aves.
Thirty to thirty-five 1-story and basement frame dwellings (5 and 6 rooms, sunporch and basement garage).
Owner—Johnson & Dowling, 632 Funston Ave.
Architect—Chas. F. Strothoff, 2274 15th Ave., San Francisco.

Construction Started.
RESIDENCE Cost, $18,900
BERKELEY, Cal. 2909 Avalon St.
Two-story frame 11-room residence.
Owner—J. B. Havre.
Architect—B. G. McDougall, 381 Bush St., San Francisco.
Contractor—E. T. Leiter & Sons, Call Bldg., San Francisco.

Heating—Ventilating—Plumbing Pumps—Motors—Engines

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Contract Awarded.
DWELLING Cost, $13,400
BERKELEY, Alameda Co., Cal. No 2720 College Avenue.
Two-story 16-room frame 4-family dwelling.
Owner—Annie B. Laughlin, SW College Ave. and Bancroft Way, Berkeley.
Architect—None.
Contractor—Louis Engler, 2940 Forest Ave., Berkeley.

Contract Awarded.
RESIDENCE Cost, $15,000
SAN FRANCISCO. Pacific Avenue.
One-story and basement frame and brick veneer residence and separate garage (9 rooms and 3 bathrooms).
Owners—Anne Oates Ashley and Harold H. Ashley, 2801 Sacramento St., San Francisco.
Architects—G. S. Ashley & A. J. Evers, 58 Sutter St., San Francisco.
Contractor—Chas. C. Williams, 1524 Franklin St., Oakland.

Plans Being Prepared.
RESIDENCE Cost, $——
OAKLAND. Lakeshore Highlands.
Two-story frame and plaster residence.
Owner—Harry P. Fischer.
Architect—Schirmer-Bugbee Co., Thayer Bldg., Oakland.

SCHOOLS

Bids to be Advertised For in About a Week.
OAKLAND. University High School Site.
Two and three-story reinforced concrete high school.
Owner—City of Oakland.
Architect—Construction Dept., Oakland Board of Education (C. W. Dickey) Chabot Hall, 11th and Jefferson Sts., Oakland

Plans Being Figured—Bids Close Mar 27, 1922, 8 P. M.
SCHOOL Cost, $100,000
LONG BEACH, Los Angeles Co., Cal. Atlantic Avenue.
Brick school (8 rooms, auditorium, etc.)
Owner—Long Beach Bd. of Education.
Architects—Allison & Allison, Hibernian Bldg., Los Angeles. and H. Alfred Anderson, Palace Theatre Bldg., Long Beach, Associated.

Segregated Figures Being Taken—Bids Close April 3, 1922, 8 P. M.
SCHOOL Cost, $250,000
LONG BEACH, Los Angeles Co., Cal. Jefferson Junior High School Site.
Two-story brick school building.
Owner—Long Beach School District.
Architects—Allison & Allison, 1405 Hibernian Bldg., Los Angeles, and H. Alfred Anderson, Palace Theatre Bldg., Long Beach, associated.

Plans Being Figured—Bids Close Mar. 24, 1922, 1 P. M.
BUILDING Cost, $——
ONTARIO, San Bernardino Co., Cal.
Two-story concrete or brick economics building 70x120.
Owner—Chaffey Union High School District (H. R. Berg, clerk).
Architect—Not given.
Plans and specifications are on file with R. C. Williams at the high school. Bids will be taken separately for: (1) concrete construction; (2) brick construction; (3) composition roofing; (4) painting; (5) plastering; (6) steel beams, columns and lintels; (7) lumber, glass, heating fixtures, electrical material, hardware; (8) electric automatic elevator.

Plans Being Figured—Bids Close Mar. 28, 10 A. M.
SCHOOL Cost, $——
VALLEJO, Solano Co., Cal.
One-story frame school building.
Owner—Hunter School District (W. E. Corcoran, Clerk, Vallejo).
Plans by E. Teicheira, % Builders' Exchange, Vallejo.

Plans Being Figured—Bids Close April 3, 12 M.
SCHOOL Cost, $——
TEMPLETON, San Luis Obispo Co., Cal.
One-story frame and stucco school.

Owner—Templeton Union High School District (W. C. Smalling, clerk).
Architect—Not given.
See call for bids under official proposal section in this issue.

Figures to be Taken Shortly
SCHOOL Cost, $110,000
PARLIER, Fresno Co., Cal.
Two-story brick school.
Owner—Parlier Grammar School District.
Architect—Swartz & Ryland, Rowell Bldg., Fresno.
To the General Building Industry:
The architects will have plans and specifications for the construction of the Parlier Grammar School completed about April 1st. Contractors desiring to submit proposals are requested to submit application for the plans as soon as possible for this work. Parlier is located on the Santa Fe R. R. about 16 miles from Fresno. Proposals are to be received for the work as follows:
Contract No. 1.—Excavating, concrete work, carpenter work, millwork, glazing, sheet metal work, steel and iron, hardware.
Contract No. 2.—Brickwork.
Contract No. 3.—Plastering.
Contract No. 4.—Electrical work.
Contract No. 5.—Roofing.
Contract No. 6.—Blackboards.
Contract No. 7.—Plumbing and heating.
Contract No. 8.—Lump sum proposal for all work included in the construction of the building with the exception of Contract No. 7.
A deposit of $10.00 must accompany the application as a guarantee that the plans will be returned in good condition at the expiration of the time allowed for the use of the plans.
SWARTZ & RYLAND.

Plans Being Figured.—Bids Close Mar. 31, 1922, 7.30 P. M.
BUILDING Cost, $125,000
CALIPATRIA, Imeprial Co., Cal.
Reinforced concrete administration and cafeteria buildings.
Owner—Calipatria Union High School District.
Architect—Don. W. Wells, El Centro, Calif.
Bids will be taken separately for (a) general contract work; (b) plastering; (c) electrical work; (d) plumbing, gas fitting and vacuum piping; (e) heating; (f) painting; (g) sheet metal work; (h) program clocks; (i) hardware; (j) general contract work and plastering. Certified check or bond for 5% required. A. J. Erichsen, Calipatria, clerk of the school board.

Contract Awarded.
SCHOOL Cost, $30,666
REDWOOD CITY, San Mateo Co., Cal. Jefferson Ave. and Webster St.
Frame and brick veneer school.
Owner—First Congregational Church.
Architect—W. H. Toepke, 942 Market St., San Francisco.
Contractor—Gus. Waller, Redwood City
Other figures ranging from $32,316 to $32,500 were received, and were from John Harkness of Redwood City, John Morton of San Mateo and Brockhage, Foley and Green of San Francisco.

EUREKA, Humboldt Co., Cal.—Until April 3, 7.30 P. M., bids will be received by Geo. B. Albee, Superintendent of Schools, for constructing shower rooms and other additions to high school gymnasium. Plans may be had from Superintendent, on deposit of $10. Plans Being Figured—Bids Open Mar. 23, 8 P. M.

SCHOOL Cost, $——
MODESTO, Stanislaus Co., Cal.
One-story 3-room brick and hollow tile school building.
Owner—Stoddard School District, H. J. Pitts, Clerk.
Architect—James H. Hoose, Ramoni Bldg., Modesto.
Plans may be obtained from the architect.
See call for bids under official proposal column.

Plans Being Figured—Bids Close Mar. 27, 1922, 4:30 P. M.
AUDITORIUM Cost, $45,000
OAKLAND, Alameda Co., Cal. Sixteenth St. and Twenty-third Ave.
One-story frame and stucco auditorium gymnasium building.
Owner—City of Oakland, N. Cook.
Architect — Construction Department Oakland Board of Education, C. W. Dickey, Chabot Hall, 11th and Jefferson Sts., Oakland.
See call for bids under official proposal column.

Bonds Voted.
SCHOOL Cost, $88,000
EXETER, Tulare Co., Cal.
One-story frame and stucco school (10 classrooms and auditorium).
Owner—Exeter School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

MILL VALLEY, Marin Co., Cal.—Until Mar. 27, 11 A. M., bids will be received by Mrs. Mary Seymour, clerk, Tamalpais Union High School District, for construction and furnishing certain materials. **See call for bids under official proposal section in this issue.**

REEDLEY, Fresno Co., Cal.—Trewhitt-Shields Co., Rowell Bldg., Fresno, has been selected to supervise construction of the proposed building to be erected for the Reedley Union High School District under the $450,000 bond issue. Plans for the structures, including auditorium, shops, gymnasium and science buildings have been completed by Architect Norman F. Marsh, Broadway Central Bldg., Los Angeles, and a call for bids will be issued shortly.

SACRAMENTO, Cal.—Construction of a new high school in the North Sacramento District is contemplated. Early action expected of Board of Education.

Hollow Metal Doors and Sash

Interior Metal Trim

PERFECTION QUALITY AND GUARANTEED DELIVERY

Hanna Building, Cleveland, Ohio

Partial List of Complete Installations:

Hanna Building ..... Cleveland, Ohio
Union Trust Alterations ..... Cleveland, Ohio
Bulkley Building ..... Cleveland, Ohio
Illuminating Building ..... Cleveland, Ohio
Carlstadt Mutual Loan & Bldg. Assn. ..... Carlstadt, N. J.
Herkimer National Bank ..... Herkimer, N. Y.
Bankers Trust Co ..... 10 Wall St., New York City
Glenville Exchange ..... Cleveland, Ohio
Euclid E. 102nd St. Building ..... Cleveland, Ohio
Conneaut Telephone Exchange ..... Conneaut, Ohio
Philadelphia City Hall ..... Philadelphia, Pa.
Huron Square Building ..... Cleveland, Ohio
Republic Electric Building ..... Cleveland, Ohio
Oriental American Building ..... Cleveland, Ohio
Scranton Gas & Water Co. Building ..... Scranton, Pa
Coleraine High School ..... Coleraine, Minn
Lane School ..... Lane, S. Dak
Girl's Vocational and Central Grades School ..... Eveleth, Minn
Abington Memorial Hospital ..... Abington, Pa.
New Jersey State Office Building ..... Trenton, N. J.
J. N. Adam Memorial Hospital ..... Perrysburg, N. Y.
Chelsea National Bank ..... Atlantic City, N. J.
Mellon National Bank ..... Pittsburgh, Pa.
Corry National Bank ..... Corry, Pa
Pocahontas Coal & Fuel Co. ..... 1 Broadway, New York City
Keith Theatre ..... Cleveland, Ohio

Jamestown Metal Desk Co.

Pacific Coast Representatives

17 Bacon Block, Oakland, Calif.

BERKELEY, Cal.—The following bids were received on March 14th by the Berkeley Board of Education for the construction of a two-story reinforced concrete and brick gymnasium building. Plans were prepared by Architect Wm. C. Hays, First National Bank Bldg., San Francisco. All bids were taken under advisement:

Carpenter and Mill Work

Barrett & Hilp, 918 Harrison St., San Francisco, $37,343; (a) $1265; (b) $350; (c) $3168.

Walter Sorenson $40,946
(a) $2125; (b) $320; (c) omit swimming pool, deduct $1750.

MacDonald & Schusler.....$37,997
(a) $650; (b) $369 ;(c) $——.

Mathew Morton $45,857
(a) $1200; (b) $280; (c) $2600.

Cenuner & Conner.....$40,800
(a) $2200; (b) $300; (c) $1830.

Coleman & Spiedel.....$47,313
(a) $3195; (b) $350; (c) $2150.

Excavating and Concrete Work (Alternate Deduct for Omitting Swimming Pool)

Barrett & Hilp.....	$22,811	$3735
MacDonald & Schusler..	29,997	.....
F. Ans	28,233	2216
John Bartlett	26,431	4544

Plumbing (alternate deduct for omitting swimming pool)

J. E. O'Mara, 443 Minna St. San Francisco	$10,200	$150
W. S. Snook.....	10,329	48
Scott Co.	11,147	342
Wm. F. Wilson.....	10,448	447
J. K. Cruz.....	12,747	...
Carl T. Doell.....	10,450	...
Lawson & Drucker.....	12,510	...
Thos. R. Catton.....	11,229	...

Heating

P. J. Enright, 2726 McAllister St., S. F.....$	8,230	$1075
F. W. Snook.....	10,274	798
Scott Co.	8,840	1432
Wm. F. Wilson.....	9,675	1178
J. E O'Mara.....	8,890	570
Picard & Edwards.....	8,560	...
Carl T. Doell.....	8,404	...
W. K. Nottingham.....	8,440	999
F. L. Warner.....	11,250	975
Lawson & Drucker.....	9,640	....

Brick Work (B) Omit Swimming Pool)

White & Gloor, Monadnock Bldg, San Francisco, $14,745; (a) $420; (b) $2650.

Mealy & Collins.....$16,432
(a) $385; (b) deduct $1275.

Hock & Hoffmeyer.....$15,575
(a) $755 and $170 ;(b) $——.

MacDonald & Schusler.....$21,373
(a) $497; (b) $——.

M. B. McGowan.....$17,774
(a) $375; (b) $——.

Structural Steel (alternate, Deduct for Omitting Swimming Pool)

California Steel Co., Hobart Bldg. San Francisco, $7345; deduct $1908

Minneapolis Steel Co.....$9399

Judson Mfg. Co..... 8495

Schrader Iron Works, $9486; deduct $2445.

Dyer Bros., $9146; deduct $2300.

Ralston Iron Works, $9643; deduct $2175.

Pacific Rolling Mills, $8626; deduct $2140.

S. S. Herrick, $7962; deduct $2100.

Marble and Tile

Rigney Tile Co., 2148 Telegraph Ave., Oakland $2893

Mangrum & Otter..... 3380

Lockers

Durant Steel Locker Co., 76 Sacramento St., S. F.....$7,544.80

Berger Mfg. Co.....$8,157.20

Fred Medart 8,202.36

Rucker-Fuller Co. 8,026.86

Glass and Glazing

(Alternate; deduct for omitting swimming pool.)

Cobbledick-Kibbe, 175 Jessie St., S. F.....$	3,550	$670
W. P. Fuller & Co.....	4,400	775

Plastering

(Alternate; deduct for omitting swimming pool.)

R. G. Felt, 180 Jessie St., S. F. .....$	8,833	——
McGruer & Simpson	11,972	365
Leonard Bosch	12,750	450
T. D. Sexton	12,950	——
Wm. Makin	11,456	75
A. Knowles	11,450	100
Peter Bradley	13,600	——
Geo. Dixon	11,277	200

Painting

(Alternate; deduct for omitting swimming pool.)

Jos. I. Burton.....$	3,355	——
D. Zelinsky & Son.....	4,300	85
R. Zelinsky	4,962	500
C. E. Irwin	4,200	——

Shades

D. N. E. Walter & Co., S. F.....$156

Linoleum

D. N. E. Walter & Co.....$860.90

Combination Shades and Linoleum

W. and J. Sloane, S. F.....$1,254.50

Roofing and Sheet Metal

		Deduct
Guilfoy Cornice Works, 209 8th St., S. F.....$	6,572	$2,310
Heidt Cornice Works....	7,100	2,075
U. S. Metal Products.....	8,380	2,080
Jas. A. Goodmundson ...	7,062	2,135

Electrical Work

		Deduct
Newbery Elec., S. F.....$	3,816	——
Watts Elec.	4,100	275
M. E. Ryan	4,225	200
H. F. Tittle.....	4,370	384
Standard Elec.	4,983	130
Spencer Elec. Co.	4,700	——
Berkeley Elec. Co.	5,423	398
C. C. Hiester.....	4,440	275

Ornamental Iron

Monarch Iron Works, 262 7th St., S. F.....$	1,000	$20
New S. F. Iron Works.....	1,095	——
Pacific Iron Works	1,740	——
Judson Mfg. Works.....	1,320	——

High School Fence

Standard Fence Co. $2,385

West Coast Wire & Iron Wks.... 2,940

Fence For Le Conte School

Standard Fence Co., (a) $661; (b) $94; (c) $160; (d) $18; (e) $88.

BUILDING—

Up a subscription list such as BUILDING AND ENGINEERING NEWS advertisers have at their disposal is a matter of long continued and faithful service to the building interests on the Pacific Coast. The BUILDING AND ENGINEERING NEWS long ago established itself as the leader in its territory, and is maintaining its position and steadily forging ahead. Cash in on our reputation as the readable and reliable medium for reaching the Construction interests on the Pacific Coast.

Building and Engineering News

$4.00 a Year In Advance

West Coast Wire and Iron Works, (a) $800; (b) $131; (c) $300; (d) $21.50; (e) $50.
Contract awarded to Standard Fence Co.

Contracts Awarded.
GYMNASIUM Cost, $——
BERKELEY. Alameda Co., Cal. Grove, Milvia Sts., Bancroft and Channing Ways.
Two-story reinforced concrete and brick gymnasium.
Owner—Berkeley City School District.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Carpenter and Mill Work to Barrett & Hilp, 918 Harrison St., San Francisco, at $37,343.
Excavating and Concrete Work to Barrett & Hilp, at $22,811.
Plumbing to J. E. O'Mara, 443 Minna St., San Francisco, $10,200.
Heating to P. J. Enright, 2720 McAllister St., San Francisco, $8,230.
Brick Work to White & Gloor, Monadnock Bldg., San Francisco, $14,745.
Structural Steel to California Steel Co., Hobart Bldg., San Francisco, $7345.
Marble and Tile to Rigney Tile Co., 2148 Telegraph Ave., Oakland, $2893.
Glass and Glazing to Cobbledick-Kibbe, 175 Jessie St., San Francisco, $3550.
Painting to Jos. I. Burton, $3355.
Roofing and Sheet Metal to Guilfoy Cornice Works, 209 8th St., San Francisco, $6572.
Electrical Work to Newbery Elec., San Francisco, $3816.
Ornamental Iron to Monarch Iron Wks., 262 7th St., San Francisco, $1000.
Plastering to Geo. Dixon, 541 Apgar St., Oakland, $11,277.
Lockers, Shades and Linoleum rejected.

TRACY, San Joaquin Co., Cal.—The Board of Trustees of the Tracy Grammar School District received the following bids on March 14th, for the construction of a one-story brick grammar school building from plans prepared by Architects Wright and Satterlee, Bank of Italy Building, Stockton. The contract was awarded to John Madson of Ripon at $65,150, including asbestos roof. Bids were taken on the following propositions: (1) building without heating; (2) with heating and cedar shingles; (3) without heating using asbestos roofing, (4) with heating and asbestos roof.
John Madson, Ripon, (1) $——; (2) $62,200; (3) deduct $2,700; (4) add $2,950.
Tornell, (1) $58,429; (2) $62,669; (3) $2,946; (4) $3,400.
Appleton & Davis, (1) $62,127; (2) $67,000; (3) $2,733; (4) $3,059.
Hansen & Wood, (1) $60,717; (2) $64,467; (3) $3,008; (4) $3,500.
Shepherd & Riley, Stockton, (1) $——; (2) $62,571; (3) $2,796; (4) $2,871.
West Coast Construction Co., S. F., (1) $63,635; (2) $——; (3) $2,634; (4) $——.

LOS ANGELES, Cal.—Until 9 A. M. April 5, bids will be received by the Los Angeles Board of Education for erecting the new McKinley Junior High School building at McKinley Ave. and 45th St. Train & Williams, Los Angeles, are the architects. Nine classrooms, study hall, library, administration offices, domestic science and sewing departments and auditorium to seat 1200. Two stories, 223x141 ft., with basement for cafeteria, dressing rooms, shower and locker rooms; brick construction, reinforced concrete stage, stucco and art stone exterior, wood and steel roof, trusses, composition roof, pine trim, maple floors, marble and tile work, steam heat; $248,000. Bids will be taken separately on the general work, plumbing, painting and electric wiring. Plans may be obtained at the Secretary's office, 730 Security Bldg., Los Angeles.

FRESNO, Fresno Co., Cal.—Bonds of $50,000 voted in Monroe School District to finance construction of new school buildings.

STORES AND OFFICES

Figures Being Taken for Grading, Concrete Work and Reinforcing Steel.
STORE AND LOFT Cost, $30,000
SAN FRANCISCO. S Mission E Second
Two-story and basement reinforced crete store and loft building (elevator).
Owner—A. Aronson.
Architect—Mcl. I. Schwartz, Nevada Bank Bldg., San Francisco.
Bids will be opened in a few days.

Sub-figures Being Taken.
STORES Cost, $——
SAN FRANCISCO. W Mission St. bet. Seventeenth and Enghteenth Sts.
Two-story and mezzanine Clacc C store and loft building.
Owner—Mission Realty Co.
Architect—A. J. Horstman, 304 Anglo Bldg., 16th and Mission St., San Francisco.
Figures were taken for a general contract but were not accepted and the contractors have been asked to refigure the plans for segregated contracts.

Plans Being Prepared.
OFFICE BLDG. Cost, $100,000
LONG BEACH, Cal. No. 526-30 Pine Avenue.
Three or five-story and basement brick store and office building.
Owner—M. V. Housman of Housman Variety Store, 235 Pine Ave., Long Beach.
Architects—Parker O. Wright and Francis H. Gentry, Associated, 316 Marine Bank Bldg., Long Beach.

Plans Being Prepared.
OFFICE BLDG. Cost, $1,250,000
SAN DIEGO, Cal. C Street bet. 4th and 5th Streets.
Ten-story Class A bank and office building.
Owner—J. W. Sefton.
Lessee of 1st Floor—San Diego Svgs. Bank.
Engineer—G. Edward Chase, 2400 University Ave., San Diego.

To be done by Day's Work.
BUILDING Cost, $14,000
SAN FRANCISCO. S Washington near Sansome.
One-story concrete commission house building.
Owner—Chas. Stockholm & Son, Monadnock Bldg., San Francisco.
Engineer—T. Ronneberg, 826 Crocker Bldg., San Francisco.

Working Drawings Being Prepared.
ADDITION Cost, $——
LOS ANGELES. From Grand Ave. to Hope St.
Ten-story and basement brick and steel addition 60x330 to department store building.
Owner—J. W. Robinson.
Architect — Dodd & Richards, 905 Brack-Shops Bldg., Los Angeles.

Figures to be Taken Shortly.
ALTERATIONS
SAN FRANCISCO. Van Ness Ave. bet. Jackson and Pacific Ave.
Remodel garages into auto sales building.
Owner—W. J. Brobeck.
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.

Bids Taken Under Advisement.
ALTERATIONS Cost, $——
OROVILLE, Butte Co., Cal.
New store front; structural steel; plate glass; marble and floor tile.
Owner—Ophir Hardware Co., Oroville.
Architect — Chester Cole, Waterland-Breslauer Bldg., Chico.
Following bids received: Albert A. Plagge, $7,750; Hibbard Bros., $8,154; O. A. Peter, $7,835. All bidders of Oroville.

Contract Awarded.
STORE Cost, $11,900
OAKLAND. Broadway near 19th St.
One-story, reinforced, concrete store building.
Owner—R. Whitehead.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—W. G. McGinty & Son, 2506 Kleth Ave., Berkeley.

Contract Awarded.
OFFICE BUILDING Cost, $35,000
FRESNO. 802 Van Ness Avenue.
Fireproof office building.
Owner—Pete Droge, 280 North Van Ness, Fresno.
Architect—Not given.
Contractor—Jas. A. McCullough, % California Peach Growers, Holland Bldg., Fresno.

Figures to be Taken Next Week.
CONCRETE BLDG. Cost, $20,000
OAKLAND, Alameda Co., Cal. Sixteenth St. near Broadway.
Two-story reinforced concrete building
Owner—F. F. Porter.
Architect—Chas. W. McCall, Central Bldg., Oakland.

Contract Awarded.
STORE Cost, $10,000
REDWOOD CITY San Mateo Co., Cal. Main St., adjoining Flynn garage.
One-story brick store building.
Owner—Ross & Ross.
Lessee—Sunshine Stores Co.
Architect—None.
Contractor—Gus Waller, Redwood City.

Steel Bids Being Taken.
OFFICE BLDG. Cost, $——
SAN FRANCISCO. SE Sutter & Taylor
Six-story steel, brick and concrete office building.
Owner—J. S. Morgan.
Architect—M. V. Politeo, First National Bank Bldg., San Francisco.

Contract Awarded.
STORES Cost, $10,000
BERKELEY, Alameda Co., Cal. No. 3188 College Avenue.
One-story 6-room stores.
Owner—F. E. Romie, 418 Newton Ave., Oakland.
Architect—None.
Contractor—L. R. Wilson, 2216 Blake St., Berkeley.

THEATRES

Ready for Figures in a Few Days.
THEATRE Cost, $500,000
OAKLAND. E Broadway near 19th.
Class A theatre building (2300 seats).
Owner—Orpheum Theatre Co.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.

Sacramento Lumber Company
Agents for
Liberty Wall Board
for Sacramento and surrounding territory
12th and North "B" Sts. Sacramento, Calif.
Phone Main 711

Official Proposals

NOTICE TO BIDDERS

(Kewanee Boiler)

Pursuant to an order of the Board of County Commissioners of Washoe County, Nevada, made and entered on the 7th day of March, 1922, sealed bids and proposals will be received by the undersigned at the office of the County Clerk of Washoe County, in the City of Reno, County of Washoe, State of Nevada, **not later than 12 o'clock, noon, on Tuesday, April, 11, 1922,** for the following, to-wit.

One No. 110 Kewanee or equal Smokeless Fire Box Boiler, installed in the boiler room of the County Hospital as per specifications on file in the clerk's office.

The said Board of County Commissioners reserves the right to reject any or all bids and to accept the boiler best suited to the needs of Washoe County.

E. H. BEEMER,
County Clerk and Clerk of the Board of County Commissioners.

NOTICE TO BIDDERS

(Materials, Etc.)

Notice is hereby given that bids will be received up to 12 o'clock, Monday, March 27, at the office of the Principal, to supply the Tamalpais Union High School with the following material and to do the type of work indicated. Specifications can be obtained at the office of the Principal.

Lumber, cement, gravel, reinforcing steel, steel frame, piling, roofing, construction of railroad spur, nails and hardwood, labor on concrete work, carpenter work and plastering.

The Board reserves the right to require a sufficient bond from any successful bidder and to reject any and all bids.

MRS. MARY SEYMOUR, Clerk.

BIDS WANTED FOR 19 HOSPITAL BUILDINGS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., March 1, 1922—SEALED PROPOSALS will be opened in the office of J. W. Roberts, Supervising Superintendent, Room 403, Post Office, San Francisco, Calif., at 12 M., April 10, 1922, or in this office at 3 P. M., April 10, 1922, for the construction (exclusive of mechanical equipment) of nineteen buildings of the U. S. Veterans Hospital at Palo Alto, California. Drawings and specifications may be obtained from the Office of J. W. Roberts, in San Francisco, on or after March 13th, or from this office, on or after March 6, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

A call for bids published in this section indicates that bids are desired from other than local bidders. Maximum competition is desired, and this is assured through BUILDING AND ENGINEERING NEWS which reaches every worth-while contractor and materialman in Central and Northern California who bids on public work.

Rate: 10 cents per line, per insertion.

All official calls for bids of the California State Highway Commission and Nevada State Highway Commission are published in this section.

BIDS WANTED FOR MECHANICAL EQUIPMENT FOR 19 HOSPITAL BUILDINGS

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., March 6, 1922—SEALED PROPOSALS will be opened in the office of J. W. Roberts, Supervising Superintendent, Room 403, Post Office, San Francisco, California, at 12 M., April 10, 1922, or at this office at 3 P. M., April 10, 1922, for the installation complete of the Mechanical Equipment for the Central Heating Plant, Outside Services, and 19 Hospital Buildings, at the United States Veterans Hospital No. 24, Palo Alto, Calif. Drawings and specifications may be obtained from the Office of J. W. Roberts, in San Francisco, on or after March 15th, or from this office on or after March 8th, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **The California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on April 10, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Monterey County, between San Lucas and 2¾ miles long east of Long Valley School (V-Mon-10-A), about eleven (11.0) miles in length, to be graded.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated March 13, 1922.

NOTICE TO BIDDERS

(Water Pipe)

NOTICE IS HEREBY GIVEN That sealed bids will be received by the Board of Trustees of the City of Lodi, at the office of the undersigned in the City Hall, **up to the hour of 8 o'clock** P. M., Monday, April 3rd, 1922, for the following specified material:

Five thousand eight hundred (5,800) feet more or less of iron or steel pipe, riveted or tubing, 14 gauge or equal, dipped in asphaltum and suitable for conveying water at a pressure of 20 lbs. per square inch.

A certified check or bidders bond in the amount of 10% of the amount bid must accompany each proposal as a guarantee of delivery.

The Board of Trustees reserve the right to reject any and all bids.

By order of the Board of Trustees of the City of Lodi.

J. F. BLAKELY, City Clerk.

Dated: March 13, 1922.

BIDS WANTED FOR FRAME SCHOOL

NOTICE TO CONTRACTORS

SEALED BIDS for the construction of a frame school building at Templeton, in the Templeton Union High School District, County of San Luis Obispo, State of California, will be received by the Board of Trustees of said Templeton Union High School District, County of San Luis Obispo, State of California, **up to 12 o'clock noon of the 3rd day of April, 1922,** at the Templeton Union High School building, in Templeton, California, to be there publicly opened and read. Said construction consisting in part of the necessary excavations, foundation, construction, plumbing, wiring, heating, sewerage system, painting and the furnishing of all labor and supplies therefor, of a one-story frame school building with stucco exterior. The work is to be done in accordance with the profiles, plans and specifications adopted by the Board of Trustees of said Templeton Union High School District and theretofore approved by the Superintendent of Schools of San Luis Obispo County, and on file in the office of said Board, at Templeton, California.

Copies of plans, profiles and specifi-

RAPHAEL ZELINSKY
Painter and Decorator
180 JESSIE STREET SAN FRANCISCO, CALIF.
Phone Sutter 6700

For Concrete Buildings,

we carry in Stock in San Francisco, California:

Reinforcing Bars, Wire Fabric, Rib Metal
Removable Floretyle (Steel Pans), Permanent Floretyle (Steel Pans)
Pressed Steel I Beams and Channels
Inserts, Hyrib, Steel Sash, Rods, Wire and Column Hooping.

For Road Work:

Kahn Road Mesh, Armor Plate, Contraction Joints Curb Bar and Truscon Wire Mesh.

For Plastering Contractors:

Expanded Metal Lath, All Gauges, Copper Bearing, Plain, Painted and Galvanized
1-A Rib Lath
3-8" Hyrib, 15-16" Hyrib, Corner Beads, Hot and Cold Rolled Channels, Poultry Netting. All Sizes and Gauges, Wire Lath, Tie Wire. Also Special Partition Fabric for Single and Hollow Partitions, Waterproofing Paste, Liquid Floor Hardener, Exterior Concrete Paints, namely Stonetex.

Truscon Steel Co.

523-39 Tenth St., San Francisco, Calif.

Charles Holloway, Jr., Branch Manager

Telephones, Market 1080—Market 1081

W. B. SCOLLAN, Sacramento Representative

1015 ½ Tenth St., Sacramento, Calif.

Telephone Main 445

On the opposite page we have given a partial list of the materials used in Concrete Buildings and also a list of materials used for plastering the interiors and exteriors of all classes of buildings.

In addition to these materials, the Truscon Steel Company is today the largest manufacturer of STEEL SASH in the country, with a capacity of approximately 2,000,000 feet per month.

STEEL SASH in its various types is today cheaper than Wood Sash. Our Agents will be very glad to prove this to you.

We carry in stock in our San Francisco Warehouse, approximately five carloads of Steel Sash, ready for immediate delivery.

We have lately exploited the use of STEEL SASH for Basements, which is easily installed in any house and does not warp or stick and costs less than any material for this purpose.

We are also manufacturers of the only Standard Steel Building that is accepted by the Fire Underwriters, and estimates on these Buildings will be gladly given.

Our estimate covers the furnishing and erection of the building complete, including the foundation, Truscon Day-light Steel Sash, glass, and hardware.

Over $4,000,000.00 worth of these buildings sold in the last year and a half in the Eastern market, and are now being standardized on the Pacific Coast.

We standardize on Oil Stations—making four of this type of building, ready for erection.

These Buildings are Structural and Pressed Steel, together with No. 18 Gauge Copper Bearing steel for side-walls and roof.

Standard Steel Buildings are used for Garages, Machine Shops and One-story Buildings, of all types.

Our Perfection Reversible Ventilated Steel Sash for Schools is now being universally used.

Architects, Owners and Contractors will not waste time in communicating with our Agents or our office in San Francisco for any information desired, relative to any building that they are estimating.

Our organization for the placing of Reinforcing Bars is without a second.

Our Engineering Department is at your service!

Just remember that all you have to purchase is the Concrete and Plaster. We have the other materials for your structure.

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1015½ Tenth Street, Sacramento, Calif.

Telephone Main 445

cations of said work may be obtained in the office of the Clerk of said School Board upon the deposit of $10.00, and no bid will be considered which is not in writing and in accordance with said plans and specifications.

Each bid must be accompanied by a certified check in the amount of 5% of the total bid, made payable to the Clerk of the Board of Trustees of the Templeton Union High School District, County of San Luis Obispo, as a guarantee that the bidder, if awarded the contract, will enter into a contract for the performance thereof satisfactory to said Board of Trustees. And in addition thereto, the successful bidder will be required to file a bond in the sum of 25% of the amount of the contract, with sureties satisfactory to said Board, as a guarantee of faithful performance of the contract, and a further bond in the sum of 50% of the amount of the contract, with acceptable sureties, to secure the payment of laborers, material-men, etc. The Board of Trustees reserve the right to reject any and all bids not deemed advantageous to said High School District.

By order of the Board of Trustees of the Templeton Uniod High School District of the County of San Luis Obispo, State of California; made this 11th day of March, 1922.

W. C. SMALLING.
Clerk of the Board of Trustees of Templeton Union High School District.

BIDS WANTED FOR SCHOOL

(One-story, Three-room Brick and Hollow Tile Structure, Estimated Cost, $13,000)

NOTICE TO BIDDERS

Notice is hereby given that the Stoddard School District, of Stanislaus County, State of California, will at the school building in the above district, **on the 23rd day of March, 1922, at 8 P. M.,** on that day, receive and consider sealed bids for the following work:

The construction of a new masonry school building all of this work to be done on the school premises of the Stoddard School District, in the County of Stanislaus, State of California, according to the plans and specifications for same as prepared by Jas. H. Hoose, Architect.

Said plans and specifications may be obtained at the office of Jas. H. Hoose, Architect, Rooms 6 and 7 Ramont Building, in the city of Modesto, County of Stanislaus, State of California, upon the payment of $10.00, which sum will be repaid upon the return of the plans and specifications in a whole and undamaged condition.

All bids must be sealed and filed with the Clerk of the said Stoddard School District, prior to eight P. M. of the 23rd day of March, 1922, and be accompanied by a certified check on some solvent bank of the State of California, for 5% of the bid submitted, which check shall be made payable to the clerk of the Stoddard School District.

This check is required as a guarantee, that the successful bidder will within three days after notice of the award of contract to him, enter into a satisfactory contract with the Board of said District, and execute and deliver the necessary bonds as required by law. If the contractor shall fail to enter into such a contract the amount of the certified check shall be retained by said Board as liquidated damages.

The Board reserves the right to reject any and all bids.

Dated this 8th day of March, 1922.

H. J. PITTS.
Clerk of the Board of Trustees of the Stoddard School District.

BIDS WANTED FOR SCHOOL

(One-story Frame and Stucco Structure Estimated Cost, $50,000)

NOTICE TO CONTRACTORS

Sealed bids will be received by the Board of Education of the City of Oakland, City Hall, Oakland, California **until Monday, the 27th day of March, 1922, at 4:30 o'clock P. M.** of said day, the day when said bids will be opened, for the erection and completion of the new Auditorium-Gymnasium building for the Garfield School, of the Oakland School District, located at East 16th Street and 23rd Avenue, Oakland, California.

Separate bids will be received for:
(1) The General Work.
(2) Lathing and Plastering Work.
(3) The Plumbing Work.
(4) The Heating Work.
(5) The Electrical Work.

Plans and specifications for said work are on file at the office of the Secretary of the Board of Education, and at the office of the Chief of Construction, Chabot Hall, 11th and Jefferson Streets, Oakland, California.

On a deposit of Twenty-five Dollars ($25.00) complete sets of said plans and specifications may be had by any prospective bidder. These may be retained for a period of ten (10) days by the General Contractors, and for a period of four (4) days by the Lathing and Plastering, Plumbing, Heating, and Electrical Contractors. If these plans and specifications are not returned within said period, or if they be mutilated, the said deposit may be retained by the said School District as agreed and liquidated damages for said detention and mutilation.

Bids must be made on proposals obtained at the office of the Chief of Construction, and be signed by the bidder, accompanied by a certified check for at least ten per cent (10%) of the amount of the bid or proposal, certified to by some responsible bank or banker, and made payable to N. W. Cook, Secretary of the Board of Education, to be retained by the said School District as agreed and liquidated damages should the party or parties to whom the contract should be awarded fail to enter into the contract after the award, or to give bonds required for the faithful performance of the contract, or any bond required by law.

Bids will be opened by the Board of said District on Monday, March 27, 1922, at the hour of 4:30 P. M., in the Board Room, 211 Second Floor of said City Hall, in said City of Oakland. The Board reserves the right to reject any or all bids or any or all items of such bids.

N. W. COOK,
Secretary of the Board of Education.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **The California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on April 3, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Riverside County, between Banning and Whitewater (VII-Riv-26-C), about twelve and three-tenths (12.3) miles in length, to be paved either with Portland cement concrete or asphalt concrete.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated March 6, 1922.

BIDS WANTED FOR SCHOOL

(One and two-story hollow-tile structure; estimated cost, $110,000)

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Clerk of the Board of Trustees of Livermore School District of Alameda County, at the Office of the Clerk of Board, in the Grammar School Building, Livermore, California, **until eleven o'clock A. M., on Saturday, the 25th day of March, 1922** (at which place on said day at two o'clock P. M., said bids will be opened), for all labor and material required for the erection and completion of the several departments of work in a one and two story school building.

In accordance with the complete plans and specifications for said work on file and open to inspection at the office of the architect, Henry H. Meyers 1201 Kohl Bldg., San Francisco, California, and on file at the office of the Clerk of this Board hereinbefore mentioned. Copies may be obtained at their office by depositing with the undersigned Clerk of the Board the sum of Twenty Dollars ($20). Contractors will be restricted as to the length of time they may retain these plans and specifications to twelve (12) days on Dept. 1 and six (6) days on Depts. 2, 3 and 4. Contractors failing to return said plans and specifications within said time limit will forfeit said deposit to said Livermore School District. Each bid must be accompanied by a check for at least ten per cent of the amount of the bid or proposal certified to by some responsible bank and made payable to Livermore School District, Livermore, California, to be forfeited to said school district as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract within 10 days after the award or to give the bond required by the Board for the faithful performance of the contract. The Board of Trustees reserves the right to reject

Geary Floor Co.
HARDWOOD FLOORS
MACHINE SURFACING
180 JESSIE STREET Phone Sutter 6700

any and all bids. Bids are to be submitted on the forms accompanying the plans and specifications hereinbefore mentioned.

Dated: Livermore, California, March 1, 1922.

RUBE HUNTER,
Clerk of the Board of Trustees of Livermore School District of Alameda County.

The specifications are divided into the following departments:

Dept. 1.—All work except plumbing, electric and heating.
Dept. 2.—Plumbing Work.
Dept. 3.—Electric Work.
Dept. 4.—Heating Work.

Contractors may submit bids on these departments and may also submit bids on any combination of two or more departments.

In applying for plans contractors should state what departments they propose bidding on.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received by the undersigned **until 2 o'clock P. M., March 27, 1922,** for constructing a portion of the State Highway System in Clark County from six miles southwest of Apex Summit to Apex Summit, work consisting of grading, placing gravel surface and construction of culverts.

Plans may be examined and form of proposal, contract and specifications secured at office of the undersigned; may also be examined at the County Clerk's Office or Division Engineer's office in Las Vegas. Cash deposit of $15.00 with undersigned required for copy of plans, which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department, and must be accompanied by a certified check in the amount of 5 per cent of the bid.

Each bidder must accompany his bid with a certificate from a surety company, duly authorized to do business in this State, stating that such surety company will provide such bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and specifications.

Right is reserved to reject any or all bids.

GEORGE W. BORDEN,
State Highway Engineer, Carson City Nevada.

BIDS WANTED FOR TWO-STORY REINFORCED CONCRETE SCHOOL (Estimated Cost, $80,000)

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN That the Board of Trustees of the Oakdale Union Hight School District, Stanislaus County, California, hereby calls for sealed proposals to be delivered to the Clerk of the Board of Oakdale, California, **until the third day of April, 1922, at 7.30 P. M., of said day,** for the erection and construction of a High School building to be erected in the above Union High School District at Oakdale; all in accordance with plans and specifications made for same by W. H. Weeks, the authorized Architect, employed by the Board.

Bids are to be received on the General Contract, and the Alternate proposals, with separate bids on the Heating and Ventilating system.

Plans and specifications may be seen at the office of the Clerk of the Board in Oakdale between the hours of 9 A. M. and 3.00 P. M.; any day except Saturday, Sunday or Holidays; or at the office of the Architect, W. H. Weeks, 369 Pine Street, San Francisco, during business hours.

On a deposit of Twenty Dollars ($20.00) a complete set of plans and specifications for any portion of the work may be had by any prospective bidder, to be retained until bids are opened, if desired. If not returned within said period, or if mutilated, the said deposit may be retained by said High School District as agreed and liquidated damages for said mutilation or detention.

Bids must be made on proposal blanks obtained at the office of the Architect, and signed by the Bidder, accompanied by check for at least Ten Per Cent (10 per cent) of the amount bid, certified to by some responsible bank or banker, and made payable to Board of Trustees of the Oakdale Union High School District, to be retained by said High School District as agreed and liquidated damages, should party or parties to whom Contract shall be awarded, fail to enter Contract after the award or to give bonds for the faithful performance of the Contract or any bonds required by law.

Bids will be opened by the Board of Trustees of the Oakdale Union High School District on the third day of April, 1922, at the hour of 7.30 P. M., at the office of the Clerk of the Board, in Oakdale, California.

The Board reserves the right to reject any or all bids, or any or all items of such bids.

Dated at Oakdale, California, March 8th, 1922.

E. D. HERON,
Clerk of the Board of Oakdale Union High School District.

BIDS WANTED FOR U. C. BUILDING

PROPOSAL FOR BIDS

SEALED BIDS will be received at the office of the Comptroller, University of California, Berkeley, California, **at or before 9 A. M., Wednesday, March 22, 1922,** for general contract including all work for the construction of Le Conte Hall on the grounds of the University of California, at Berkeley.

Drawing and specifications may be obtained at the office of John Galen Howard, Architect, 500 First National Bank Building, San Francisco, on deposit of $100.00 for each set of drawings and specifications taken out. (Checks given as deposits are to be in favor of the undersigned). Deposits will be refunded on submission of a regular bid for the work and on return of said drawings and specifications in good condition. No bids will be considered unless accompanied by a certified check or bond in favor of the undersigned, equal to 10% of the bid, to secure execution of the contract by the successful bidder.

The right is reserved to reject any or all bids.

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Hendrix, H. E.
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Vallejo Plumbing Co. (W. J. England).
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Vallejo Rock & Sand Co.

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J. W. Bender Roofing & Paving Co., S. F.

The Observer.

(Continued from Page 4)

United Dredging Co., files complaint with Railroad Commission against the Santa Fe, Southern Pacific and Pacific Electric Co., asking reparation for shipment of contractors outfits from Oakland to San Diego and to Long Beach. Complainant, member of firm, alleges they were assessed 60½ cents per 100 pounds when the rate applicable was 35 cents.

Reports from 194 cities show the number of building permits for January was nearly three times that for January of last year, H. G. Moulton writes in Chicago Commerce, a publication of the Chicago Association of Commerce. The permits involved $138,799,280, as compared with $61,592,924 in January, 1921, he states.

Realty dealers of Richmond have organized a "Own Your Own Home" campaign, as sponsored by the California State Real Estate Association. Civic organizations, bankers, building crafts and merchants will assist in putting the campaign over.

The monthly tonnage report of the U. S. Steel Corp. shows 4,141,069 tons of unfilled orders on hand on February 28. This is a decrease from January's unfilled orders, which totaled 4,241,678.

San Francisco's population today is 670,000, according to an estimate of the Pacific Telephone & Telegraph Co., based upon on elaborate checking system, including telephones installed, registration of voters and average daily attendance at public schools, which, according to George Preddy, chief of the statistical bureau of the company, form a most reliable basis for estimate.

B. C. Soule, owner of a large tract of timber lands on the Forest Hill Divide and L. D. Stephenson, engineer in charge of operations, are conferring with the Colfax, Calif., Chamber of Commerce, seeking a 25-acre site on which to locate a piling ground, planing mill and box factory.

Official records of the Patent Office shows that next to Connecticut, California during the year 1921 obtained more patents per thousand inhabitants than any other state in the Union.

The historic old court house at Shasta, Calif., has been sold to the Native Sons of the Golden West for $1. The structure was erected in 1865 at a cost of $30,000.

The Niles (Alameda county) Chamber of Commerce is seeking to establish the proposed Willys-Overland Automobile plant which the company proposes to erect on this Coast. It is understood that officials of the company have inspected sites are have forwarded reports to Eastern offices.

Plans for a state wide campaign against the American Plan of employment is proposed by the Journeymen Painters, according to Joseph Tuite, member of the Varnishers' and Polishers' Union of San Francisco, who declares "the open shop or American Plan fight in California is on the wane."

Reduced freight rates on generators, motors, oil, transformers, theostats, storage btateries and other electrical equipment are announced by the Santa Fe Railway. Minimum shipments of 30,000 pounds will be accepted by the company at the following rates: Chicago, $2.53 per 100 pounds; St. Louis, $2.45; Kansas City, $2.20, and Denver, $2.07.

SACRAMENTO BRICK MEN INTERESTED IN BUILDING CAMPAIGN

Sacramento brick manufacturers are evidencing much interest in the announcement of the plans of the National Brick Association for the raising of a fund of $1,000,000 to aid home building throughout the country. The plans were made public at the recent annual convention of brick men in St. Louis, by Secretary Ralph P. Stoddard.

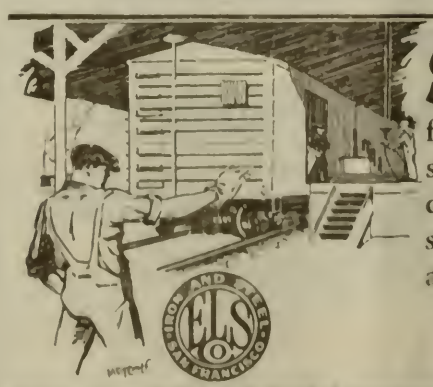
Loans are to be made from a central fund of $1,000,000. Each loan must be approved by a local brick manufacturer or some responsible Building and Loan Association and will be intended as a means of filling the gap between the amount normally loaned on a home and the actual cost of construction.

The convention also learned of the invention of a new trowel by Oscar F. Mann, which is said to resemble an old-fashioned grocer's scoop. It is declared it will make brick work cheaper by lessening the time necessary to lay brick.

INDUSTRIAL SURVEY FOR SACRAMENTO PROPOSED.

The Industrial and Home Products Bureau of the Sacramento Chamber of Commerce is planning an industrial survey of the city to be conducted with the aid of a corps of workers from the student body of the Sacramento High school. The plan is to train the students for the purpose of gathering data on every phase of business and industrial life of Sacramento and vicinity.

Every business house and industrial plant will be visited and the number of employees, the payroll, the value of the products manufactured, the raw materials used, the total output and other data secured for the use of the Chamber in promoting industrial activities.



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Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SANTA ROSA, Sonoma Co., Cal.—The County Supervisors received the following bids on March 15th for constructing a steel bridge over the Russian river at Guerneville; estimated cost, $115,500, involving 1545 cu. yds. Class A concrete; 78 tons reinforcing steel; 310 tons structural steel; 260 wood piles; 72 concrete piles. Concrete and reinforcing in piling not included in above quantities. R. Press Smith, County Surveyor.

R. McLeran Co., S. F.	$ 94,600
A. W. Kitchen, S. F.	106,338
Frank Bryant, San Jose	118,156
Bates & Rogers Constr. Co., Los Angeles	125,500
Jas. H. Neilson, Orland	118,677
Mercer-Fraser Co., Eureka	95,400
J. G. Williams, 2461 21st Ave., San Francisco	113,420
W. L. Proctor, Santa Rosa	98,747
Bordwell & Zimmerman, Calistoga	99,400
Security Bridge Co., Santa Maria	123,800
Standard Industrial Eng. Cptn., San Francisco	108,030

Bids were taken under advisement until March 16th on account of an error in the bid form of R. McLeran Co., which may give the contract to the second lowest bidder, Mercer-Fraser Company.

SANTA ROSA, Sonoma Co., Cal.—The County Supervisors have awarded a contract to Mercer-Fraser Co., of Eureka, at $95,400, for constructing a steel bridge over the Russian river at Guerneville; estimated cost, $115,500, involving 1545 cu. yds. Class A concrete; 78 tons reinforcing steel; 310 tons structural steel; 260 wood piles; 72 concrete piles. Concrete and reinforcing in piling not included in above quantities. R. Press Smith, County Surveyor.

PHOENIX, Ariz.—Following bids were received by State Engineer Thos. Maddock, for constructing bridge with two 90 ft. steel sapns, concrete floors and concrete piers: A. W. Daniels, $19,926; the Whalley Lumber Co., $20,482.88; the Allied Contracting Co., $21,122.40; deWaard & Cobham, $21,552.10; El Paso Bridge & Iron Co., $22,064.60; Jack Davey, $22,487.20; L. C. Lashmet, $23,397.80; Monarch Engineering Co., $24,373.50; Pioneer Engineering Co., $27,794.88; Midland Bridge Co., $30,000; and W. D. Northern, $30,400; Clinton Bridge Works entered a bid for the steel superstructure only at $7980.

ORANGE, Cal.—Serrano Water Co., of Villa Park, and John T. Carpenter Co. and the Irvine Co. have decided to erect jointly a dam in Santiago creek near the county park at a cost of $250,000. Plans have been made for a dam 90 ft. high, 300 ft. long at the bottom and 600 ft. long at the top. An irrigation district will probably be formed.

PHOENIX, Ariz.—State Highway Commission preparing specifications for 160-ft. steel or concrete bridge to be erected over Hell's canyon, between Prescott and Ash Fork; a 133-ft. single span, steel bridge over Kirkland, Wash.; structure to be financed by Yavapai county commission; bridge over Lynx Creek between Dewey and Prescott.

CALIFORNIA—The 1922 program of the State Highway Commission includes the construction of a bridge across the San Gabriel river n Los Angeles county; estmated cost, $250,000. Austin B. Fletcher, state highway engineer.

SANTA ROSA, Sonoma Co., Cal.—The Board of Supervisors of Sonoma County ordered plans prepared for five bridges necessary for the new State Highway from Sebastapol to Shellville. They will be of reinforced concrete construction, some 60 feet long.

Plans were also ordered for a bridge on the Sebastopol-Cotati road. Section D, and two on the Sebastopol-Freestone highway.

SANTA ROSA, Sonoma Co., Cal.—W. L. Proctor, 1000 Spring St., Santa Rosa, at $8,937 awarded contract by the Supervisors to construct Mark West Bridge, involving 200 cu. yds. Class A concrete; 15½ tons reinforcing steel and 1720 lin. ft. concrete piles. Low bid submitted by John Coggo, Sonoma, at $8,887, but bid was not signed Other bidders: E. H. Martin, Oakland, $9,472; W. M. Whipple, 125 Shafter Ave., Berkeley, $10,491; Rocca & Colette, $9,600; A. A. Horwege, Rionido, $9,044, T. H. Gildersleeve, 1410 Broadway, San Francisco, $10,720; E. E. Albers, Santa Rosa, $9,900; Hart Constr. Co., Gerber, Calif., $9,468; A. W. Kitchen, San Francisco, $10,550. Engineer's estimate, $10,900.

PHOENIX, Ariz.—A. W. Daniels of Tucson, Ariz., awarded contract at $19,926, for constructing bridge with two 90 ft. steel spans, concrete floors and concrete piers. Thos. Maddock, state engineer.

EUREKA, Humboldt Co., Cal.—Mercer-Fraser Co., Eureka, at $9,467, awarded contract by supervisors to construct draw bridge over Mad river slough, Road District 5. Other bidders: Waltare Selvage, $10,350; Padgett and Kelly, $10,800; Frank L. Smith, $9,762. A. J. Logan, county surveyor.

IRRIGATION PROJECTS

RICHVALE, Butte Co. Cal.—Daniel Bayles, Biggs, Cal., has been awarded a contract by the Trustees of Drainage District No. 100, Butte County, for constructing drainage ditches, approximately 50,000 cu yds. excavation. Bids follow: Daniel Bayles, 20.5c; John Phillips, Sacramento, 22c; Anderson & Fisher, San Francisco, 22½c; D. MacDonald, Sacramento, 22.4c. Polk & Robinson, Chico, Engineers.

LIGHTING SYSTEMS

CORONA, Cal.—Until Mar. 31, designs will be received by secretary of Chamber of Commerce, E. F. Clarke, for lighting posts on Sixth St., Main St. and Grand Blvd.

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MACHINERY

RENO, Nevada—Until April 11, 12 M., bids will be received by E. H. Beemer, county clerk, for furnishing one No. 110 Kewanee or equal smokeless fire box boiler for installation in county hospital. **See call for bids under official proposal section this issue.**

DELANO, Kern Co., Cal.—Until Mar. 20, 7.30 P. M., bids will be received by city trustees for furnishing pipe for sewer system: 3983 ft. 24-in., 3563 ft. 15-in. and 352 ft. 10-in. storm drain pipe; 16,931 ft. 15-in., 5838 ft. 12-in., 10,440 ft. 10-in. and 37,728 ft. 8-in. sanitary sewer pipe; 292 15x6-in., 101 12x6-in., 163 10x6-in. and 1137 8x6-in. wye branches. Bids will be received: (1) vitrified pipe; (2) Bell and spigot concrete pipe; (3) reinforced concrete pipe. John S. Bates, Rowell Bldg., Fresno, engineer.

SANTA ANA, Cal.—Until 5 P. M., Mar. 27, bids will be received by City Clerk, E. L. Vegeley, for furnishing and erecting one square galvanized steel tank tower 60 ft. high, 11 ft. 6 in. at bottom and 4 ft. at top; bolts and braces to be galvanized.

ANTIOCH, Contra Costa Co., Cal.—Until Mar. 20, 8 P. M., bids will be received by J. E. McElheney, city clerk, for improving water filter plant. Specifications may be had from office of city clerk.

LOS ANGELES, Cal.—Until 3 P. M., Mar. 31, bids will be received by Board of Public Service, 207 S Broadway, for furnishing one lathe; Specification No. P-253. Jas. P. Vroman, secretary.

SAN FRANCISCO—Until Mar. 22, 11 A. M., bids will be received by U. S. Engineer Office, 240 Montgomery St., for dry docking and repairing U. S. Snagboat "Bear." Further information may be had from above.

PORTLAND, Ore.—Holt Mfg. Co., Stockton, Calif., at $5.250 f. o. b. Stockton, submits low bid to Multnomah county commissioners for furnishing tractor, allowing $1,500 on old machine.

LODI, San Joaquin Co., Cal.—Until April 3, 8 P. M., bids will be received by J. F. Blakely, city clerk, for furnishing and delivering 5,800 ft. iron or steel pipe. **See call for bids under official proposal column in this issue.**

LOS ANGELES, Cal.—J. P. Hunter, 803 Commonwealth Ave., Alhambra, submitted only bid to Board of Public Works, at $2755 for furnishing and installing operating equipment for East San Pedro sewage screening plant; time 60 days.

FRESNO, Fresno Co., Cal.—Park Commission authorizes purchase of $10,000 worth of pipe for 40 acres of Roeding Park which will be planted to trees, for which bids have been received. Work on the $35,000 swimming pool will commence April 1. Contractors have been asked for materials at cost.

SANTA ROSA, Sonoma Co., Cal.—W. L. Proctor, 1000 Spring St., Santa Rosa, at $6,000 awarded contract to construct asphalt heating plant with 26c cu. yd. for concrete pavement; approximate total cost, $7,500.

Advance Construction Reports

Larsen Construction Reports, issued every business day of the year, furnishes information as to contemplated construction projects of all kinds, covering the State of California.

If you want to know when Architects and Engineers are preparing plans or taking figures for materials and for construction, we supply the information.

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RAILROADS

OAKLAND, Cal.—San Francisco-Oakland Terminal Railways will construct double track and switch in 14th Ave. between E-21st and 22nd Sts.; estimated cost, $8,500.

FIRE EQUIPMENT

SAN JOSE, Santa Clara Co., Cal.—Until March 20, 5 P. M., bids will be received by C. B. Goodwin, city manager, for furnishing and delivering gasoline motor driven combination pumping engine and hose wagon. Specifications may be had from city manager.

PORTLAND, Ore.—Until Mar. 27, 2 P. M., bids will be received by City Purchasing Agent, S. C. Pier, 208 City Hall, for furnishing and delivering 100 fire hydrants for Water Works Bureau.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

CALIFORNIA—Following is a partial list of projects to be undertaken by the State Highway Commission during the year 1922:

Santa Barbara County—Surfacing with asphalt and constructing concrete shoulders, 10 miles.

San Benito County—Surfacing with asphalt and constructing concrete shoulders from San Juan to Santa Clara County line.

Santa Clara County—Surfacing with asphalt and constructing concrete shoulders from Cornado Creek to County Line.

Alameda County—Surfacing with asphalt and constructing concrete shoulders on 10 miles of highway.

Solano County—Surfacing with asphalt and constructing concrete shoulders from Fairfield to Vacaville.

Kern County—Surfacing with asphalt and constructing concrete shoulders 11 miles Bakersfield southerly.

Orange County—Between Huntington Beach and Balboa, 11 miles, grading and paving.

Del Norte County—Grading, between Crescent City and Oregon Line.

Humboldt County—Grading 20 miles between Trinidad and Orick.

Del Norte County—Grading 7 miles Klamath River Road, bids to be called for in about 4 months.

Lake County—Grading and gravelling 10 miles between Mendocino-Lake Counties Line and Uper Lake.

Siskiyou County—Paving from Klamath River to Oregon Line.

Siskiyou County—Paving 10 miles from Upland to Shasta River.

Siskiyou County—Grading and paving 11 miles from Gazelle to Yreka.

Lassen County—Grading and gravelling 20 miles from Johnsonville east.

Butte and Plumas Counties—Grading 24 miles Feather River Road.

Lassen and Plumas Counties—Grading.

Amador County — Grading and gravelling, 11 miles from Michigan Bar to Drytown.

Colusa County—Grading and paving 12 miles between Long bridge east of Meridian and Colusa.

Placer County—Grading and paving 17 miles from Colfax to Auburn.

San Mateo County—Skyline Boulevard grading and gravelling 15.7 miles from Sneath Road to Half Moon Bay.

Santa Clara County—Skyline Blvd., grading and gravelling from Santa Clara to Santa Cruz.

Marin County—Grading and gravelling 3½ miles from Tiburon to Alta.

Sonoma County—Grading and paving 11.8 miles from Santa Rosa to Belane.

Monterey County — Grading and gravelling 13 miles south along coast from Big Sur River.

San Benito County—Hollister to Pacheco Pass Road, 7 miles grading and macadamizing.

San Luis Obispo County—Paving 3.6 miles of Cuesta Grade.

Merced County—22 miles grading and paving between Santa Clara County line and Los Banos.

Tulare County—Grading and paving 6 miles from 3 Rivers to Sequoia National Park.

Mono County—Grading, 11 miles, Fish Springs School northerly.

Kern County—17 miles macadam asphalt paving from Junction pumping station to Hart.

Kern River-Walker Pass Route—Heavy grading work, etc.

Los Angeles County—8 miles grading and paving between Long Beach and Huntington Beach.

Imperial County—Paving 3 miles between Imperial and El Centro.

Orange County—Widening and thickening present highway between Irvine Station and Santa Ana.

CARSON CITY, Nevada—Following is partial list of 1922 highway projects as planned by Nevada State Highway Commission:

Bulkhead to Hudson Road, a distance of 4.16 miles, gravel surfacing, 12 ft. wide and 5-in. thick, grading completed, Federal Aid Project No. 8A.

Illipah to Robinson Summit, a distance of 15.01 miles, work consisting of 58,000 yds. excavation in grading and gravel surfacing 10 ft. wide and 5-in. thick, Federal Aid Project No. 10.

W. Elko Line Vivian Road, grading only 8.34 miles, work involving 37,000 cu. yds. excavation, Federal Aid Project No. 15.

Elko to Halleck Road, a distance of 18.83 miles, work consisting of grading involving 81,000 cu. yds. excavation and gravel surface, 15 ft. wide and 5-in. thick, Federal Aid Project No. 18.

Zola to Humboldt House Road, grading completed, work consisting of gravel surfacing a distance of 10 miles, 15 ft. wide and 5-in. thick, Federal Aid Project No. 19.

W. Eureka Line to White House Ranch Road, a distance of 6.31 miles, Federal Aid Project No. 22.

Reno to Lawtons Road, a distance of 3.6 miles, concrete 15 ft. wide, 6-in. thick, Federal Aid Project No. 26.

Lakeview to Carson Road, a distance of 3.5 miles, concrete 15 ft. wide and 6-in. thick, grading complete except 1 mile, necessary grading 1900 cu. yds., Federal Aid Project No. 30.

W. Humboldt Line to Stone House, a distance of 10.84 miles, gravel surfacing 15 ft. wide and 5-in. thick, and grading involving 52,000 cu. yds. excavation, Federal Aid Project No. 32.

Six Miles south of Yerington to Wilsons Road, a distance of 7.04 miles, work consisting of gravel surface, 15 ft. wide and 5-in. thick, and grading involving 21,000 cu. yds. excavation, Federal Aid Project No. 33.

Hazen to Leeteville Road, a distance of 8.29 miles, gravel surface 15 ft. wide, 5-in. thick, and grading involving 30,800 yds. excavation, Federal Aid Project No. 34.

Eureka to Hayranch Road, a distance of 12.17 miles, gravel surface 10 ft. wide and 5-in. thick, Federal Aid Project No. 31.

Vicinity Cradlsbaugh to Douglas County Road, a distance of 3.37 miles, work consisting of gravel surface, 15 ft. wide and 5-in. thick, Federal Aid Project No. 38.

Pancake Summit to Illipah Road, a distance of 22.96 miles, work consisting of gravel surface 10 ft. wide and 5-in. thick and grading involving 110,000 cu. yds. excavation, Federal Aid Project No. 44.

Vicinity of Frenchmans Station Road, a distance of 5 miles, work consisting of gravel surface 10 ft. wide and 5-in. thick and grading involving 25,000 cu. yds. excavation, Federal Aid Project No. 45.

Following is a list of the City streets in the State of Nevada to be improved during 1922 which contract will be let by the State:

City of Sparks, a distance of 2.25 miles, concrete paving, 18 ft. wide and 6-in. thick.

City of Carson, ½ mile, paving to be concrete, 18 ft. wide and 6-in. thick.

City of Fallon, a distance of 2 miles, paving to be concrete 18 ft. wide and 6-in. thick.

City of Yerington, a distance of 1.25 miles, to be paved with concrete, 18 ft. wides and 6-in. thick.

City of Elko, a distance of 2.70 miles, to be paved with concrete to be 18 ft. wide and 6-in. thick.

STOCKTON, San Joaquin Co., Cal.—Spencer D. Miller, Manteca, at $24,999, awarded contract by supervisors to construct oil macadam pavement in Locust road, Road District No. 4. F. E. Quail, county surveyor.

PRESCOTT, Ariz.—Henry Galbraith, low bidder at $38,588, for constructing 4½ miles road in Federal aid project linking Prescott with Jerome and Ash Fork roads.

MODESTO, Stanislaus Co., Cal.—City Engineer Geo. H. Freitas, completes specifications to improve Fairview Ave., Pleasant St. and adjoining alleys, involving 41,368 sq. ft. grading; 38,964 sq. ft. 2½-in. asphaltic concrete with 1½-in. Warrenite surface paving; 2,403 sq. ft. gutter; 1,608 lin. ft. concrete curb; 1,343 lin. ft. O. P. headers; estimated cost, $10,694.

Specifications completed to improve 6th St. between K and L streets, involving 25,326 sq. ft. grading; 24,147 sq. ft. 2½-in. asphaltic concrete with 1½-in. Warrenite surfacing paving; 1179 sq. ft. concrete gutter; 783 lin. ft. concrete curb; 141 lin. ft. O. P. headers; estimated cost, $6,872.

Specifications completed to improve Magnolia Ave. between Needham and Stoddard Aves., involving 58,407 sq. ft. grading; 67,311 sq. ft. 2½-in. asphaltic concrete with 1½-in. Warrenite surface paving; 1094 sq. ft. concrete gutters; 724 lin. ft. concrete curb; 180 lin. ft. O. P. headers; 8 concrete electric standards; 16 pull in boxes; 1476 lin. ft. 1-in. conduit; 4428 lin. ft. No. 10 copper wire; estimated cost, $17,409.

Specifications completed to improve

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Magnolia Ave. between Stoddard and Lateral 4 of Modesto Irrigation District, involving 34,385 sq. ft. grading; 32,084.5 sq. ft. 2½-in. asphaltic concrete with 1½-in. Warrenite surface paving; 2,301.2 sq. ft. concrete gutter; 1,528.2 lin. ft. concrete curb; 146 lin. ft. O. P. headers; 7 electric standards; 14 pull in boxes; 1172 lin. ft. 1-in. conduit; 3516 lin. ft. No. 10 copper wire; estimated cost, $10,367.

SACRAMENTO, Cal.—City Engineer Albert Givan, completes specifications to improve 43rd St. between 4th Ave. and Rose Tract No. 2, involving 4309 lin. ft. combination curb and gutter; 7 cast iron gutter drains; 2 concrete manholes; reconstructing 5 concrete manholes; 314 and 1991 ft. vitrified sewer pipe; 96 ¾-in. water services; 1150 cu. yds. excavation; 182 cu. yds. fill, and 46,483 sq. ft. asphaltic concrete pavement.

Specifications completed to improve M St. between 33rd and 34th, involving 514 ft. combination curb and gutter; 57 lin. ft. concrete curb; 1 concrete manhole; 2 cast iron gutter drains; 40 lin. ft. 6-in. vitrified sewer pipe; 459 cu. yds. excavation; 8127 sq. ft. asphaltic concrete pavement.

Specifications completed to improve 15th St. from U to alley between X and Y Sts., involving 1994 ft. combination concrete curb and gutter; 256 lin. ft. concrete curb; 192 lin. ft. concrete gutter; 244 lin. ft. 6-in. vitrified sewer; 10 cast iron gutter drains; 820 cu. yds. excavation; 155 cu. yds. fill; 460 cu. yds. excavation in sidewalk area; 102 cu. yds. filling in sidewalk area; 10,080 sq. ft. concrete sidewalk; 57,661 sq. ft. asphaltic concrete pavement.

SAN RAFAEL, Marin Co., Cal.—Until April 4, bids will be received by the Supervisors for improving Red Hill Road in Supervisor Sweetser's District running into Petaluma.

PETALUMA, Sonoma Co., Cal.—City Engineer N. S. Frost completes specifications to improve Vallejo street, between East D and Jefferson streets, involving 790 cu. yds. excavation; 1344 lin. ft. concrete curb and gutter; 20,832 sq. ft. oil macadam; estimated cost, $3,947.

Specifications completed to improve Edith street, between East D and Jefferson streets, involving 370 cu. yds. excavation; 672 lin. ft. concrete curb and gutter; 20,832 sq. ft. oil macadam pavement; estimated cost, $3,673.

SAN DIEGO, Cal.—California Constr. Co., 58 Second St., San Francisco, was awarded contract at approximately $142,000 to pave portions of Voltaire, Mission, Bacon, De Foe, Newport, Pt. Loma Blvd., and other streets in Ocean Beach.

INDIO, Cal.—A citizens' committee has been formed to determine details of road improvement under act 1907, for paving Fargo Ave south to Community church; also two blocks on Miles Ave. and sidewalks in main resident and business sections. County aid will be given. A. C. Fulmor, County Surveyor.

SAN RAFAEL, Marin Co., Cal.—Geo. M. Dodge, County Surveyor, completes specifications for constructing asphalt concrete highway in Supervisor Barr's District, from East Third St., to junction of road to China Camp, 12 ft. wide, 2 ft. concrete slab on each side, 4.5 miles in length, also to continue China Camp road about 3 miles in direction of Santa Venetia.

CALIFORNIA.—Contract awarded by the State Highway Commission to Rhodes & Price, Hill Calif. at $195,890 to grade 16.8 miles of highway in Santa Clara County between San Felipe and east boundary, has been sub-let to W. A. Dontanville of Hollister.

SACRAMENTO, Cal.—Until March 30, 8 P. M., bids will be received by the Council to improve 28th St. between Y and 2nd Ave., involving 1288 lin. ft. combination curb and gutter, 19 lin. ft. concrete curb, 2 concrete manholes; reconstruct 1 concrete manhole, 4 cast iron gutter drains; 850 ft. 8-in. and 305 ft. 6-in. vitrified pipe, 21 wye branches; 615 cu. yds. grading, 4 cu. yds. fill, 44¾ in. water services; 30,634 sq. ft. asphaltic concrete pavement. Albert Givan, City Engineer.

HAYWARD, Alameda Co., Cal.—Town Engineer Jesse B. Holly is preparing data for Railroad Commission for the proposed subway beneath the tracks of the Western Pacific on Mt. Eden road.

OLYMPIA, Wash.—Until April 4, 5 P. M., bids will be received by city clerk, to improve portions of Main, 21st, Columbia, Adams Sts., etc., by paving, concrete walks, gutters, drains, water mains, hydrants, etc. Estimated cost, $172,014.27.

FRESNO, Fresno Co., Cal.—Supervisors accept second of Surveyor Chris. Jensen's programs for completing county highway system as follows: 31.61 miles asphaltic concrete, 20.42 miles asphaltic macadam, and 7.47 miles gravel macadam; estimated cost, $1,064,962. Money will be raised by direct tax.

ALHAMBRA, Cal.—Council declares intention to lay 4-in. cast iron water mains on Loma Vista Drive between El Paseo and W line of Tr. 2501, and on Las Flores St. between El Paseo and W line of Tr. 2501; Granada Ave. 400 ft.; Mission Road between Date and Fremont Aves.; San Marino Ave. between 570 ft. E of Wilson Ave. and De Barth Ave., and in De Barth Ave.

SAN JOSE, Santa Clara Co., Cal.—Until April 3, 8 P. M., bids will be received by Council to improve 17th St. between Empire and Rosa; grading, paving with 3½-in. asphaltic concrete base with 1½-in. Warrenite-Bitulithic surface; concrete curbs and gutters; 8 brick catchbasins and 8-in. vitrified sewer.

Separate bids, same date, to improve William St. between 10th St. and line 215.68 ft. easterly; grading, paving with 3-in. asphaltic concrete base with 1½-in. Warrenite-Bitulithic surface; concrete curbs and gutters; 3 brick catchbasins and 8-in. vitrified sewer.

Separate bids, same date, to improve William St. between 13th and 16th; grading, paving with 3-in. asphaltic concrete base with 1½-in. Warrenite-Bitulithic surface, concrete curbs and gutters; 3 brick catchbasins and 8-in. vitrified sewer. Wm. Popp, city engineer.

BERKELEY, Alameda Co., Cal.—Until March 28, 10 A. M., bids will be received by Council to construct 6-in. vitrified sewer in portion of Allston Way, brick manholes and lamphole. C. L. Huggins, city engineer.

TUCSON, Ariz.—The county engineer was directed by the highway commission to expend the balance of $1,500,000 bond issue, about $6000, on six sections of the Ajo-Gila Bend highway. Each section will receive $999.

STOCKTON, San Joaquin Co., Cal.—Supervisors declare intention to improve portion of Lodi-Lockeford road by grading, constructing 16-ft. subgrade; paving with oil macadam constructed of crushed rock and asphaltic oil and pea gravel, 16 ft. wide and 6-in. thick. F. E. Quall, county surveyor.

SANTA ROSA, Sonoma Co., Cal.—The County Supervisors have ordered plans prepared for two highways, as follows—Section B, Graton-Occidental Road and Section E, Sebastopol-Freestone Road.

POSITION WANTED

Mechanical Engineer, expert ability, both practical and theoretical. 21 years experience design, construction, installation and plant maintenance, together with machine shop production methods. Holding Marine Engineer's License for both Diesel and steam engine. Member Am. Soc. Mech. Engineers. Part or full time. Address Box 17, Daily Pacific Builder, 560 Mission St., San Francisco.

SOUTH PASADENA, Cal.—Tracey & O'Keefe, 58 S. Fair Oaks Ave., Pasadena, awarded contract at $12,742.65, for improving Spruce St. involving 4500 cu. yds. grading, 77,600 sq. ft. macadam pavement, 7500 sq. ft. concrete gutter; 3600 sq. ft. sidewalk; 740 ft. curb, and 312 ft. 6-in. lateral sewers. Ducey & Breitenstein, 151 S Hill Ave., Pasadena, bid $14,319.

SAN BERNARDINO, Cal. — Supervisors declare intention to improve Mentone between Florida Ave. and Garnet Ave.; Florida Ave. between Garnet St. and 3500 ft. west; Newport Ave. between Garnet St. and 1328 ft. east; Sapphire St. between Florida Ave. and 1237 ft. NE in Road Imp. District No. 15, by paving with 5¾-in. macadam, 16 ft. wide; grading shoulders 2 ft. wide; and constructing concrete and rubble masonry culverts and retaining wall. Work under Road Imp. Act of 1907. Protests to be heard April 3.

SAFFORD, Ariz.—Until Apr. 4, bids will be received by supervisors of Graham county for purchase of $500,000 road bonds at 6%, maturing $25,000 per year for 20 years. Martin Layton, clerk of board. Construction of 20 miles of hard surfaced and 200 miles of gravel surfaced roads is contemplated. Z. C. Prina of Safford, is chairman of the county highway commission.

YUMA, Ariz.—Until 2 P. M., April 7, bids will be received by Board of Supervisors for purchasing $784,900 county highway bonds, the unsold portion of the $1,200,000 bond issue. Sara B. Glessner, clerk of the board.

REEDLEY, Fresno Co., Cal.—Until Mar. 24, 7.30 P. M., bids will be received by Marion Deneen, clerk, Reedley Joint High School District, for constructing 990 ft. 6-in. reinforced concrete pipe with outlets and gates in high school grounds. Plans may be had from clerk.

FRESNO, Fresno Co., Cal.—Thompson Bros., 1514 H St., Fresno, at $314.24 submits low bid to council to construct 366 lin. ft. 6-in. vitrified sewer and 2 manholes in Grand Ave., Park, Block 12 and will be awarded contract. C. C. Glidersleeve, Fresno, bid $398.67; Fredericksen & Shannon, Fresno, $405.48. Wm. Stranahan, City Engineer.

MODESTO, Stanislaus Co., Cal.—Until March 22, bids will be received by the council to improve Needham Ave., bet. 9th and McHenry, involving 204,305 sq. ft. grading; 197,994 sq. ft. paving; 6,311 sq. ft. gutters; 3,900 lin. ft. curbs; 1,198 lin. ft. headers, 26 electric standards; 43 pull in boxes; 4,977 lin. ft. 1-in. conduit; 14,931 lin. ft. No. 10 copper wire; estimated cost, $58,558. Geo. Freitas, City Engineer.

FRESNO, Fresno Co., Cal.—Until March 22, 3 P. M., bids will be received by council to improve First St., bet. Belmont and Tulare, involving 158,064 sq. ft. grading; 114,236 sq. ft. 5-in. asphaltic concrete pavement; 5,610 sq. ft. concrete gutter; 3,510 lin. ft. concrete curb; 20,297 sq. ft. concrete sidewalks; 403 lin. ft. 12-in. and 224 lin. ft. 18-in. corrugated iron culvert; 12 manholes. Wm. Stranahan, City Engineer.

MONTEREY, Monterey Co., Cal.—Council declares intention to improve Franklin St. between Alvarado and Cedar by grading, paving with 4-in. cement concrete base and 2-in. bitum. concrete surface, and between High and Cedar St., by grading and paving with 5-in. cement concrete pavement, concrete curbs and sidewalks; corrugated iron culverts; reconstruct 4 catchbasins. H. D. Severance, city engineer.

GILROY, Santa Clara Co., Cal.—Trustees vote to install water mains, 6, 8 and 10-in. in various sections of the city. It is probable that bids will be asked: (1) for furnishing pipe; (2) for laying, (3) for furnishing and laying.

AZUSA, Cal.—J. L. Wilsford of Azusa, submitted only bid at $15,000 for paving Alameda St. and Cerritos Ave. with rock and oil. The bid was rejected as too high and work ordered done under direction of City Engineer C. L. Nichols.

SAN LUIS OBISPO, Cal.—Until April 3, 2 P. M., bids will be received by supervisors for constructing portion of Aliva road between Ontario House and Avila, involving 3,750 cu. yds. excavation; 5500 lin. ft. shaping and rolling; 1360 cu. yds. class A concrete pavement and 4830 lbs. reinforced steel. Warren B. Burch, county surveyor.

FRESNO, Fresno Co., Cal.—City Engineer Wm. Stranahan completes specifications to improve Wilson Ave., bet. Belmont and Olive Ave., involving 118,128 sq. ft. grading; 89,501 sq. ft. 5-in. cement concrete pavement; 4,125 lin. ft. curbs; 13,944 sq. ft. walks; 450 lin. ft. concrete box culverts; 29 lin. ft. corrugated culverts; 10 manholes.

Specifications completed to improve Lucerne bet. Olive and McKinley, involving 153,629 sq. ft. grading; 87,960 sq. ft. 3½-in asphaltic base with 1½-in Warrenite surface paving; 9,221 sq. ft. gutter; 5,066 lin. ft. curb; 22,569 sq. ft. walks; 441 lin. ft. 12-in. culverts; 10 manholes.

Specifications completed to construct 2,700 sq. ft. sidewalks in Mariposa Ave., bet. Divisadero and Illinois Ave.

REDONDO BEACH, Cal.—Council declares intention to improve Strand, Ocean Beach Alley, and 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th and 10th Sts.; work to involve 45,417 sq. ft. 6-in. concrete paving with oil protective coat; 42,458 sq. ft. 5-in. concrete paving with oil protective coat; 3591 lin. ft. class A curb; 14,155 sq. ft. 4-in. sidewalk; 33,680 sq. ft. 4-in. reinforced concrete walk with combination curb on each side of walk, 1684 ft. long; 25,400 sq. ft. 2½-in. reinforced concrete walk on wooden forms supported on 3 pile bents 20 ft. centers; 4 concrete steps; 2954 ft. 1½-in. conduit and 29 lighting standers; estimated cost, $89,375. Victor H. Staheli, city engineer.

TORRANCE, Cal.—Council declares intention to resurface with asphaltic concrete and pave with Willite, various city streets, about 2 miles in length. Half the cost of the work will be paid for by the city by issuance of bonds, about $54,000, which will be submitted at the municipal election April 10th. H. R. Postle, city engineer.

PRESCOTT, Ariz.—Faucet & Williams, Box 375, Miami, Ariz., awarded contract by Yavapai County high commission at $14,786.64, to construct Sec. 1, Prescott-Wickenburg highway.

Jerome Transfer Co., Jerome, Ariz., awarded contract at $36,465.10, to construct Sec. A, Jerome to Camp Verde highway.

GLENDALE, Cal.—W. D. McCray, 424 American Bank Bldg., Los Angeles, submitted low bid at $18,582.90, for improving Griswold, Porter and Fischer Sts., involving 3630 lin. ft. grading at 55c ft.; 129,500 sq. ft. oiling and surfacing at 5½c ft.; 7370 lin. ft. curb at 47c ft. and 37,500 sq. ft. sidewalk at 16c ft.

YUMA, Ariz.—Robert McKay of Tuscon, awarded contract by State Engineer Thos. Maddock, at $44,510, to construct about 10 miles highway west from Wellton toward Yuma. Road will be graded and surfaced with gravel. Griffin & Donovan, low bidders on this project, failed to sign contract.

SEAL BEACH, Cal.—H. E. Cox, 305 Slavin Bldg., Pasadena, was awarded contracts for grading and paving with 1:2:3½ cement concrete, Central Ave. between 8th and 12th St., involving 41,100 sq. ft. grading and paving at 25½c ft. and Eighth St. between Electric and Ocean Aves., involving 48,515 sq. ft. grading and paving at 25c ft.

Fairchild-Gilmore-Wilton Co., Los Angeles Ry. Bldg., awarded contracts for paving with asphaltic concrete surface on bituminous base portions of 10th, 11th, 12th, 13th, 14th and Dolphin Sts.; about $51,000. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, engineer.

NEWPORT BEACH, Cal.—Until 7.30 P. M., Mar. 27, bids will be received by City Clerk Alfred Smith, for constructing a cast iron pipe force main and appurtenances for the city water system. Plans and specifications may be obtained at office of Paul E. Kressly, 732-33 H. W. Hellman Bldg., Los Angeles, consulting engineer. Certified check or bond for 10%. The main will be approximately 9800 ft. in length, of 12-in. cast iron pipe.

YREKA, Siskiyou Co., Cal.—Until April 3, 10 A. M., bids will be received by supervisors for constructing Hessig to Oregon Line road. H. J. Sarter, county surveyor.

BAKERSFIELD, Kern Co., Cal.—P. Bernett, Orange, at $7,468, awarded contract by council to construct sewer in Street District No. 46, involving 3,514 ft. 8-in. and 3,885 ft. 6-in. vitrified pipe, 12 concrete manholes, 1 lamphole, 14 wye branches. W. D. Clarke, city engineer.

BAKERSFIELD, Kern Co., Cal.—Federal Construction Co., Call Bldg., San Francisco, at $25,862, awarded contract by council to improve Sumner St., involving 13,824 sq. ft. grading; 82,328 sq. ft. 1-in. asphaltic concrete pavement with 1½-in. Warrenite surface; 140 ft. cement concrete culvert. W. D. Clarke, city engineer.

RICHMOND, Contra Costa Co., Cal.—Until March 24, 8 P. M., bids will be received by San Pablo Sanitary District for constructing vitrified sewer, involving 570 lin. ft. 6-in., 1070 lin. ft. 8-in., 2200 lin. ft. 10-in., 4600 lin. ft. 15-in., 1420 lin. ft. 21-in. and 5250 lin. ft. 24-in. vitrified sewer pipe and 50 manholes. Ross L. Calfee, 221 South 22nd St., Richmond.

SAN LUIS OBISPO, Cal.—The supervisors have instructed County Surveyor Warren B. Burch, to prepare plans for a sewer system for the town of Pizmo.

CALEXICO, Cal.—Engineers Allison & Entenmann, Calexico, have been instructed by city trustees to prepare plans for a storm drain on Sixth St. and Imperial Ave.; estimated cost, $11,300.

LONG BEACH, Cal.—Council declares intention to construct storm sewers in 21st and 20th Sts., Pine, Locust and Atlantic Aves. A 33-in. reinforced concrete pipe will be laid in 21st St. between Atlantic and Pasadena Aves. and a 36-in. reinforced concrete pipe in 21st St. between Pasadena and Locust Aves.; drainage ditches will be constructed in 20th St., Locust Ave., Pine Ave., 21st St.; catchbasins, wood culverts and cement pipe drains; 1911 Act.

PORTERVILLE, Tulare Co., Cal.—City Engineer Fred Pease, has been instructed by city trustees to prepare plans and specifications for paving 3rd St. from Oak to Morton.

LOS ANGELES, Cal.—Supervisors adopt resolution of intention to grade and roll portions of 105th, 106th, 107th and 109th Sts. between Vermont and Budlong Aves., and also portions of Vermont, Western, Harvard, Normandie and Budlong Aves. in Road Imp. District No. 186, and construct curb, sidewalk gutter catchbasin and drain and reinforced concrete. Protests will be heard April 17.

OAKDALE, Stanislaus Co., Cal.—Bids will be taken in April for 71,550 sq. ft. of street paving under 1911 and 1915 Acts, and 12,650 sq. ft. paving under bond issue. Bids will be taken on 5 types of paving as follows: 5-in. cement concrete; 4-in. cement concrete base with 1½-in. Warrenite top; 4-in. cement concrete base with 1½-in. Topeka top; 3½-in. bituminous base with 1½-in. Warrenite top, and 3½-in. bituminous base with 1½-in. Topeka top. H. D. Watts, Modesto, consulting engineer; Geo. Macomber, city engineer.

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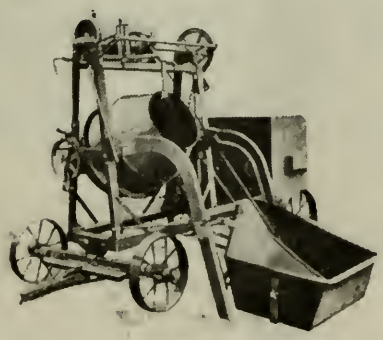

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OAKLAND, Cal.—City Engineer W. W. Harmon, completes specifications to improve portions of 76th Ave., involving 7197 sq. ft. grading; 367 lin. ft. concrete curb; 834 sq. ft. concrete gutter; 5178 sq. ft. oil macadam pavement; 719 sq. ft. cement sidewalk.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy, completes specifications to improve Mars St. between 17th St. and Corbett Ave.; estimated cost $5500, involving 400 cu. yds. cut; 280 cu. yds. fill; 739 lin. ft. concrete curb; 7530 sq. ft. asphaltic concrete pavement; 750 sq. ft. vertical fiber brick pavement; 400 sq. ft. basalt block pavement; 4100 sq. ft. artificial stone walks; 1 brick catchbasin; 2 brick manholes; 20 lin. ft. 10-in. vit. culvert and 1 reinforced concrete retaining wall.

SANTA ROSA, Sonoma Co., Cal.—J. M. Delucca, 5500 Kales Ave., Oakland, submitted lowest bid to supervisors at $7415, and was awarded the contract, for constructing Fitch-Mountain road, 2.6 miles, involving 11,000 cu. yds. unclassified excavation. Other bidders were; (1) excavating; (2) 12-in. pipe; (3) 15-in. pipe; (4) 18-in. pipe; (5) 24-in. pipe:

J. M. Delucca, (1) 60c; (2) $1.00; (3) $125; (4) $1.50; (5) $2.00; total $7,415. W. H. Carr, Sebastopol. (1) 64c; (2) $1.00; (3) $1.25; (4) $1.50; (5) $2.00. Total $11,815; Galbraith Jones, Napa, (1) $1.00; (2) $1.00; (3) $1.25; (4) $1.50; (5) $2.00. J. Wilmshurst, S. F., (1) 70c; (2) 75c. (3) $1.00; (4) $1.25; (5) $1.50; $8,332. E. E. O'Brien, Martinez, (1) 59c; (2) $1.50; (3) $1.75; (4) $2.00; (5) $2.25; $7,580. Frank Bryant, San Jose, (1) 76c; (2) 50c; (3) 60c; (4) 75c; (5) $1.00; $8,765. E. M. Whipple, 135 Shafter Ave., Berkeley, (1) 72c; (2) $1.00; (3) $1.50; (4) $2.00; (5) $2.50; $8,545. Thos. Manetos, Everson Bldg., Oakland, (1) 70c; (2) $1.00; (3) $1.25; (4) $1.50; (5) $2.00; $8,545. Hugh E. Ingle, Sebastopol, (1) 75c; (2) 60c; (3) 75c; (4) 90c; (5) $1.25.

CALIFORNIA—Until April 10, 2 P. M. bids will be received by State Highway Commission, Forum Bldg., Sacramento, for grading 11.0 miles of highway in Monterey county between San Lucas and 2¾ miles east of Long Valley school. **See call for bids under official proposal section in this issue.**

CALIFORNIA — Following Federal-aid projects in California, have been approved by Bureau of Public Roads, for week ending March 4: Project 91, Santa Barbara county, 6.090 miles gravel, total estimated cost, $254,265, federal aid, $121,800; Project 92, Riverside county, 17.650 miles, concrete, total estimated cost, $570,157.50, federal aid, $285,078.75.

In State of Arizona, Project No. 53, Maricopa county, 24 miles gravel, total estimated cost, $191,189.21; federal aid, $117,240.93.

SAN ANSELMO, Marin Co., Cal.—Until April 3, 8 P. M., bids will be received by Arthur Studley, town clerk, for constructing approximately 1,200 lin. ft. 8-in. vitrified sewer in Woodland Ave.

BURLINGAME, San Mateo Co., Cal.—City Engineer C. A. Torello, completes specifications to improve streets in Burlingame Terrace, involving 365,000 sq. ft. grading; 326,000 sq. ft. 4-in. hydraulic concrete pavement with 1½-in. Topeka top; 20,800 lin. ft. gutter; 3,750 lin. ft. curb; 3,550 lin. ft. 4-in., 3,050 lin. ft. 6-in. 555 lin. ft. 8-in., 100 lin ft 10-in., and 245 lin. ft. 12-in. vitrified pipe; relaying 170 lin. ft. 8-in., and 370 lin. ft. 10-in. vitrified pipe; 214 wye branches; 3 lampholes, 10 manholes; 15 grated inlets; 9,700 sq. ft. sidewalks; 2 reinforced concrete culverts. Estimated cost, $110,286.50.

EL CENTRO, Cal.—Until 7.30 P. M., Mar. 22, bids will be received by City Clerk W. E. Van Way, for improving portions of Orange Ave., Third St., Commercial Ave. and Fourth St., involving about 100,000 sq. ft. of paving, a portion of which will be 5-in. asphaltic concrete and portion 5-in. cement concrete base with 2-in. asphaltic surface; about 4000 ft. of curb and laying 6-in. water main. Work will be done under 1915 Bond Act. F. C. Dyer, city engineer.

BAKERSFIELD, Kern Co., Cal.—Weitzel & Larsen, Bakersfield, at $5,430 awarded contract by council to place approximately 21,360 sq. ft. 5-in. concrete pavement in several alleys in Street District 435. Valley Construction Co., bid $5,446.

ALTURAS, Modoc Co., Cal.—Due to heavy snows, no bids received by Modoc County Highway Commission for grading and culverts on Fort Bidwell unit of Fandango highway and bids will again be asked in immediate future. The commission plans to spend approximately $275,000 in road construction this season. T. A. Walls is secretary of Commission.

IRVINGTON, Alameda Co., Cal.—Chamber of Commerce compiling estimates of cost to construct permanent sidewalks in Main and Mission streets, embracing most of the business district.

SANTA ROSA, Sonoma Co., Cal.—County Surveyor R. Press Smith, completes specifications for Sec. B, Guerneville-Jenner unit of highway system, 2.63 miles long. Bids will be asked shortly.

RENO, Nevada—Clark and Henery Construction Co., Hearst Bldg., San Francisco, at $125,991, awarded contract by Council to lay 28,628 sq. yds. 2-in. and 55,756 sq. yds. 5-in. concrete paving. Bids follow: Clark & Henery, (a) 2-in., 72c; (b) 5-in., $1.89 sq. yd. Heincke Construction Co., Twin Falls, Idaho, (a) $1.15; (b) $1.98; total $143,319. Federal Construction Co., San Francisco, (a) $1.25½; (b) $1.99; total, $146,882. A. C. Maguire, Idaho, (a) $1.20; (b) $2.15; total $154,229. Pacific States Construction Co., San Francisco, (a) $1.24; (b) $2.16; total $155,931. Grant Smith Co., San Francisco, (a) $1.18; (b) $2.24; total, $158,674. Reed & Gibbons, Salt Lake City, Utah, (a) $1.32; (b) $2.30; total, $166,027.

J. F. Hoffman, Reno, low bidder to construct 7-ft. culverts, $8.35 lin. ft. and $11.55 lin. ft. for 10-ft. culverts. Harry Chism, city engineer.

SAN LUIS OBISPO, Cal.—Supervisors authorize paving on Palm Ave. from Polytechnic school to junction of Hawthorne Ave. and Southern Pacific tracks—macadam 18 ft. wide, 5-in. base.

RICHMOND, Contra Costa Co., Cal.—City Engineer H. D. Chapman, completes specifications to improve Bay View Ave., with 16-ft. center of asphaltic concrete pavement and macadam sides to the gutters, concrete curbs, gutters and sidewalks.

MODESTO, Stanislaus Co., Cal.—Pacific Construction Co., 16 California St., San Francisco, at $8,890, awarded contract by supervisors to construct 1701.7 ft. 4-in. concrete highway, 15-ft. wide, near Knights Ferry bridge. Other bids: J. L. Webster, Chico, $8,920; Schwartz, Jarrett and Bodie, Vallejo, $9,297. J. H. Hoskins, county surveyor.

SANTA MONICA, Cal.—J. D. Kneen Paving Co., Dudley Blk., Santa Monica, submitted lowest bid at $29,657.25, for improving 22nd and 23rd Sts. between Santa Monica and Wilshire Blvds., involving 154,410 sq. ft grading at 2 6/10c ft.; 105,518 sq. ft. paving at 19 4/10c ft.; 24,650 sq. ft. sidewalk at 19 at 55c ft. Other bids were: Warren Construction Co., $32,610.79; Braun, Bryant & Austin, $33,670.09.

SACRAMENTO, Cal. — City Engineer Albert Givan completes specifications to improve Freeport Blvd. between 2nd and 3rd Aves., involving 1909 lin. ft. combination concrete curb and gutter; 16 lin. ft. concrete curb; reconstructing 2 concrete manholes; 8 cast iron gutter drains; 304 ft. 6-in. vitrified sewer pipe; 22 ¾-in. water services; 1397 cu. yds. excavation; 109 cu. yds. fill; 62,764 sq. ft. asphaltic concrete pavement.

OAKLAND, Cal.—Until Mar. 30, 12 M., bids will be received by Council to construct cement sidewalks in Hopkins St. between Sheffield St. and Sausal creek. W. W., Harmon, city engineer.

RICHMOND, Contra Costa Co., Cal.—Until Mar. 27, 8.30 P. M., bids will be received by Council, to improve Lincoln and McBryde Aves.; estimated cost $59,000, involving 5,000 cu. yds. cut; 50,000 sq. ft. 4-in. asphaltic concrete paving; 60,000 sq. ft. concrete sidewalks; 12,000 lin. ft. concretec urbs; 12,000 sq. ft. concrete gutters and 5,000 lin .ft. 6-in. lateral sewers. Imp. Act 1911. H. D. Chapman, city engineer, and A. C. Faris, city clerk.

SANTA MONICA, Cal.—Until 10 A. M., Mar. 24, bids will be received by Council, for improving Fourth St. from Pico St. to Colorado Ave., by grading and paving with 4-in. asphaltic concrete base and 2-in. asphaltic wearing surface; Fourth St. from Colorado Ave. to Santa Monica Blvd., by grading and paving with 3-in. base and 2-in. Warrenite-bitulithic wearing surface; 10-in. vitrified pipe storm drain with appurtenances, intake boxes and catchbasns; 1911 Act. John A. Morton, city engineer.

FAIRFIELD, Solano Co., Cal.—United Construction Co., Vallejo, at $127,356, awarded contract by supervisors to grade and pave with asphaltic concrete, 6½ miles of road between Suisun and Cordelia, 5-in. thick, 15 ft. wide; 10,000 cu. yds. grading and 600 lin. ft. of culverts with concrete end walls. F. A. Steigerm, county surveyor

TUCSON, Ariz.—George B. Singleton of Tucson, only bidder at $127,987.50, for improving Rincon Hts., comprising 80 acres, by grading streets and constructing water mains, sewers and redwood curbs. Bid referred to City Engineer G. H. Atchley.

BAKERSFIELD, Kern Co., Cal.—Valley Construction Co., Bakersfield, at $6,553, awarded contract by supervisors to construct approximately 1455 sq. yds. 8-in. penitration method macadam on Bakersfield-Taft highway, near Western Water Works Station No. 1. Fred Gribble, Bakersfield, bid $7,638.

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No.	Owner	Contractor	Amt.
945	Doran	Hurley	4000
947	Morris	Owner	5000
948	Purcell	Owner	7000
950	Smith	E. K. Bldg	13000
951	Hansen	Owner	4000
952	Paiva	Thorup	4000
953	Hansen	Owner	4000
957	Feeney	Jones	10701
958	Hinds	Stubo	2900
959	Sheehan	Spargo	8500
960	Sander	Cohn	8500
961	Pasqualetti	American	5000
962	Cohn	Cohn	12000
963	Mission	Owner	25000
964	Tyler	Owner	18000
965	Allen	Allen	7000
966	Hicks	Owner	7000
967	Greenbach	Steur	26000
968	Clancy	Owner	75000
969	Rousseau	Owner	60000
970	Lindon	Henderson	33000
971	Mensor	Mensor	20000
972	Stockholm	Owner	14000
973	Petry	Owner	14000
974	Montgomery	Owner	4500
975	Hyson	Urfer	2500
989	Johnson	Owner	7000
990	Rose	Owner	2500
991	Johnson	Owner	9000
992	Hunt	Nelson	11200
993	Stoltz	Grant	——
994	Sander	Cohn	12950
995	Meyer	Meyer	18000
998	McCormick	Owner	35000
999	Mercantile	Bateman	5000
1006	Wood	Rincon	1300
1008	Morton	Fontanella	4800
1009	Bank of Italy	Owner	3000
1010	Feddersen	Caranzi	2000
1011	Wanderer	Owner	600
1012	Ortiz	Owner	1000
1013	Gememiani	Montgomery	14364
1014	Ashley	Williams	15000
1015	Banks	Owner	3500
1016	Amalgamated	Barrett	5000
1017	Solomon	Owner	8750
1018	Verleger	Petterson	10320
1019	Esmiel	Ponsero	3350
1020	Enright	Olsen	4350
1021	Bellan	Persson	11400
1022	Welch	Owner	3000
1023	Allen	Boxton	12000
1024	Anglassey	Cunco	8000
1028	Morbio	Morbio	2900
1029	Miller	Rolff	3800
1030	Edwards	Owner	6000
1031	Nesbitt	Marsden	3000
1032	Gantner	Owner	6000
1034	Dessmeyer	Low	3731
1035	Anderson	Meyer	8300
1036	Hoffman	Merritt	2356

ALTERATIONS
(945) SW ARMY AND DOLORES. Remodel dwelling for (2) flats.
Owner—J. H. Doran, 3809 Army St., San Francisco.
Architect—None.
Contractor—P. J. Hurley, 146 Herman St., San Francisco. $4000

DWELLING
(947) W ELEVENTH AVE 25 N Cabrillo. One-story and basement frame dwelling.
Owner—A. T. Morris, 501 11th Ave., San Francisco.
Architect—None.
Day's work. $5000

FRAME FLATS
(948) E EIGHTEENTH AVE 100 N Anza. Two-story and basement frame (2) flats.
Owner—J. S. Purcell, 856 Presidio Ave., San Francisco.
Architect—None.
Day's work. $7000

GARAGE
(950) NO. 340-350 FELL ST. One-story brick garage.
Owner—Luther M. Smith, 520 Judah St., San Francisco.
Architect—None.
Contractor — E. K. Building Co., 77 O'Farrell St., S. F. $13,000

DWELLING
(951) N NORTHWOOD 43 E Pizzaro. One-story and basement frame dwelling.
Owner—Walter E. Hansen, 2235 Market St., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Day's work. $4000

DWELLING
(952) E SECOND AVE 225 S Clement. One-story and basement frame dwelling.
Owner—Harry and Eugenee Paiva, 307 3rd Ave., San Francisco.
Architect — L. A. Bryant, 38 6th St., San Francisco.
Contractor—J. H. Thorup, 654 21st Ave. San Francisco. $4000

DWELLING
(953) W WESTWOOD 110 S Pizzaro. One-story and basement frame dwelling.
Owner—Walter E. Hansen, 2235 Market St., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Day's work. $4000

FRAME FLATS
(957) SE TWENTY-SEVENTH AVE & California 32-6x100. All work except plumbing, lathing and plastering and wall papering for two-story frame (4) flats.
Owner—Thomas J. and Nora A. Feeney 18th and Danvers St., S. F.
Engineer—Robert W. Jenkins.
Contractor—Thomas M. Jones, 3767 Army St., San Francisco.
Filed Mar. 10, '22. Dated Mar. 2, '22.

Roof on	25%
Brown coated	25%
Completed and accepted	25%
Usual 35 days	25%
TOTAL COST,	$10,701

Bond, $5500. Sureties, M. J. Jones and Annie M. Jones. Limit, 90 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(958) N BROADWAY 154-6 W Baker 77-3x137-6. Plumbing and gas fitting for residence.
Owner—Saretta B. Hindes, 2519 Broadway, San Francisco.
Architect—None.
Contractor—Stubo & Griffin.
Filed Mar. 10, '22. Dated Mar. 9, '22.

Roughing in completed	$ 600
Completed and accepted	1575
Usual 35 days	725
TOTAL COST,	$2900

Bond, $1500. Surety, Fidelity & Deposit Co. of Maryland. Limit, Oct. 1, 1922. Forfeit, none. Plans and specifications filed.

R C BLDG.
(959) S CLEMENT 107-6 E Sixth Ave. E 25x8 100. All work except plumbing, heating, electric work and painting for one-story reinforced concrete building.
Owner—Timothy and Anne Sheehan.
Architect—Leonard F. Starks, Ochsner Bldg., Sacramento.
Contractor—Jno. Spargo, 240 Montgomery St., San Francisco.
Filed Mar. 10, '22. Dated Mar. 10, '22.

Concrete walls poured	$2125
Roof on and 1st coat plaster on	2125
Completed	2125
Usual 35 days	2125
TOTAL COST,	$8500

Bond, $4250. Sureties, E. P. Shortall and N. Bernstein. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS
(960) W FRANKLIN 30 S Green. Two-story and basement frame (2) flats.
Owner—F. A. and A. Sander, 110 Sutter St., San Francisco.
Architect—W. H. Gebhardt, 110 Sutter St., San Francisco.
Contractor—Louis J. Cohn, 110 Sutter St., San Francisco. $8500

GARAGE
(961) SE FILLMORE AND FILBERT. One-story concrete public garage.
Owner—Jos. Pasqualetti, 785 Market St., San Francisco.
Architect—None.
Contractor—American Concrete Co., 785 Market St., San Francisco. $5000

APARTMENTS
(962) N HAYES 206-3 W Ashbury. Three-story and basement frame (6) apartments.
Owner—Geo Cohn, 9 Stockton St., San Francisco.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—Louis J. Cohn, 110 Sutter St., San Francisco. $12,000

STORES
(963) E MISSION 139 N 18th. Two-story Class C (with mezzanine floor) stores.
Owner—Mission Realty Co., 304 Anglo Bldg., San Francisco.
Architect—A. J. Horstmann, 304 Anglo Bldg., San Francisco.
Day's work. $25,000

FRAME FLATS
(964) W SCOTT 37-6 and 62-6 N Oak. Two two-story and basement frame (2 in each) flats.
Owner—P. D. Tyler, 1438 Cabrillo St., San Francisco.
Architect—None.
Day's work. $9000 each

ADDITION
(965) N TURK 68-9 E Taylor. Second story addition to building now under construction for loft.
Owner—H. B. Allen, 168 Sutter St., San Francisco.
Architect—Earle B. Bertz, 168 Sutter St., San Francisco.
Contractor—Allen & Co., 168 Sutter St., San Francisco. $7000

STORES
(966) S POST 106 W Fillmore. One-story Class C stores.
Owner—W. H. Hicks, 425 Kearny St., San Francisco.

Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.
Day's work. $7000

APARTMENTS
(967) S EDDY 62-6 E Hyde 25x87-6. All work except lath and plaster for reinforced concrete and steel building (12 apartments).
Owner—Jos. Greenbach, 371 Waller St., San Francisco.
Architect—None.
Contractor — Jacob Steur, 1409 Geary St., San Francisco.
Filed Mar. 11, '22. Dated Feb. 23, '22.
2nd floor poured.....$3250
Roof on and concrete all poured 3250
Brown plaster on..... 6500
Standing trim on ready for painter 3250
Completed and accepted..... 3250
Usual 35 days..... 6500
TOTAL COST, $26,000
Bond, none. Limit, 120 days. Forfeit, plans and specifications, none.

APARTMENTS
(968) N O'FARRELL 112-6 W Hyde. Four-story and basement brick (23) apartments.
Owner—D. J. Clancy, 2884 Folsom St., San Francisco.
Architect—None.
Day's work. $75,000

APARTMENTS
(969) S GEARY 137-6 E Taylor. Five-story and basement concrete stores and (8) studio apartments.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—David C. Coleman, 110 Sutter St., San Francisco.
Day's work. $60,000

APARTMENTS
(970) NE SECOND AVE. AND HUGO. Three-story and basement frame (6) apartments.
Owner—L. Lindon, 62 7th St., San Francisco.
Architect—None.
Contractor—W. D. Henderson, Monadnock Bldg., San Francisco. $33,000

APARTMENTS
(971) S CALIFORNIA 137-6 W Laguna. Three-story and basement frame (12) apartments.
Owner — William Mensor, et al, 121 Central Ave., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco
Contractor—I. Mensor, 2565 Washington St., San Francisco. $20,000

COMMISSION HOUSE
(972) S WASHINGTON near Sansome. One-story concrete commission house.
Owner—Chas. Stockholm & Son, Monadnock Bldg., San Francisco.
Engineer—T. Ronneberg, 826 Crocker Bldg., San Francisco.
Day's work. $14,000

FLATS
(973) W EIGHTEENTH AVE 175 N Fulton and W 18th Ave 200 S Fulton. Two two-story and basement frame (2 in each) flats.
Owner—A. Petry, 890 Page St., San Francisco.
Plans by Owner.
Day's work $7000 each

RESIDENCE
(974) S ALLSTON WAY 200 W Ulloa. Two-story and basement frame residence.
Owner—E. J. Montgomery, 1320 Broadway, San Francisco.
Architect—None.
Day's work $4500

ALTERATIONS
(975) NO 401-409 THIRD. New store fronts, marble work, repair roof, painting, etc., for stores and lodging house.

Owner—Marie Hyson, San Jose, Calif.
Architect—None.
Contractor—Chas. E. Urfer, 134 Halleck St., San Francisco. $2500

FRAME FLATS
(989) W FOURTEENTH AVE 50 S Cabrillo. Two-story and basement frame (2) flats.
Owner—Nels P. Johnson, 1934 Folsom St., San Francisco.
Architect—None.
Day's work. $7000

ALTERATIONS
(990) W NINTH AVE 75 S Clement. Alter present flats, making five apartments.
Owner—Lee Rose, 146 McAllister St., San Francisco.
Architect—None.
Day's work. $2500

DWELLINGS
(991) W THIRTY-THIRD AVE 29, 61 and 93 N Fulton. Three one-story and basement frame dwellings.
Owner—S. F. Johnson and J. F. Dowling, 632 Funston Ave., S. F.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Day's work. $3000 each

FRAME FLATS
(992) W FIFTEENTH AVE 100 N Fulton 25x127-6. All work for two-story frame flat building.
Owner—Mrs. Nellie Hunt, 750 12th Ave., San Francisco.
Plans by Contractor.
Contractor—Emil Nelson, 4835 Geary St., San Francisco.
Filed Mar. 13, '22. Dated Jan. 31, '22.
Frame up $2800
Brown coated 2800
Completed and accepted..... 2800
Usual 35 days..... 2800
TOTAL COST, $11,200
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

FLATS, ETC.
(993) W CASTRO 198-4 S 18th S 24-8 xW 125. All work for three-story frame building, store and flats, and move cottage now on lot to rear.
Owner—Celina Stoltz.
Architect—None.
Contractor—Lincoln U. Grant, 131 Beaver St., San Francisco.
Filed Mar. 13, '22. Dated Mar. 4, '22.
As work progresses, payments in amounts of $1250
Final payments on completion, deed to said lot .....
TOTAL COST, $6250 and deed to Lot W 18th 223 S 18th S 25xW 125.
Bond, limit, forfeit, none. Plans and specifications filed.

FRAME FLATS
(994) W FRANKLIN 30 S Green S 30 xW 110-1. All work for two-story and basement frame flats.
Owner—Alma I. and Fred A. Sander.
Architect—W. H. Gebhardt, 110 Sutter St., San Francisco.
Contractor—Louis J. Cohn, 110 Sutter St., San Francisco.
Filed Mar. 13, '22. Dated Mar. 11, '22.
Frame up & roof boards on.$3237.50
Brown coated 3237.50
Completed and accepted..... 3237.50
Usual 35 days..... 3237.50
TOTAL COST, $12,950.00
Bond, $6475. Sureties, Geo and Esther Cohn. Limit, 100 days. Forfeit, $10. Plans and specifications filed

STORE
S CLEMENT 107-6 E Sixth Ave. One-story reinforced concrete dry goods store.
Owner — Timothy and Anne Lochan, 405 Clement St., San Francisco.
Architect—L. F. Starks, 465 5th Ave., San Francisco.
Contractor—John Spargo, 240 Montgomery St., San Francisco. $6500

DWELLINGS
(995) W FORTY-FOURTH AVE 276, 300, 325, 350, 375 and 400 S Geary. Six one-story and basement frame dwellings.
Owner—Meyer Bros., 5326 Geary St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $3000 each

APARTMENTS
(998) SW GROVE AND SCOTT STS. Three-story and basement frame (12) apartments.
Owner—A. F. McCormick, 945 Buchanan St., San Francisco.
Architect — Edward E. Young, 251 Kearny St., San Francisco.
Day's work $35,000

ALTERATIONS
(999) NE GRANT AVE. AND O'FARRELL St. Alter banking rooms.
Owner—Mercantile Trust Co., 464 California St., San Francisco.
Architect—None.
Contractor—W. Bateman, 1915 Bryant St., San Francisco. $5000

IRON WORK
(1006) NW JACKSON & FRANKLIN W 40xN 100. Iron work for building.
Owner—Meyer Wood, 1824 Jackson St., San Francisco.
Architect—W. L. Schmolle, 40 Montgomery St., San Francisco.
Contractor—Rincon Iron Works, 349 7th St., San Francisco.
Filed Mar. 14, '22. Dated Mar. 3, '22.
Two fire escapes and ornamental iron balconies erected.....$660
Completed and accepted..... 315
Usual 35 days..... 325
TOTAL COST, $1300
Bond, $650. Surety, United States Fidelity & Guaranty Co. Limit, 100 days after building ready for same. Forfeit, plans and specifications, none.

ALTERATIONS
(1008) 775 COLE. Remodel hospital for apartment flats.
Owner—Dr. A. W. Morton, 601 Butler Bldg., San Francisco.
Architect—None.
Contractor—Fontanella & Teza, 1682 Eddy St., San Francisco. $4800

STORE
(1009) W NINTH AVE 75 S Clement. One-story frame store.
Owner—Bank of Italy, Clay and Montgomery Sts., San Francisco.
Architect—W. D. Snea, 527 Chronicle Bldg., San Francisco.
Day's work. $3000

STORE, ETC.
(1010) S OCEAN AVE 77-7 E Faxon. One-story frame store and living rooms.
Owner—H. C. Feddersen, 416 9th Ave., San Francisco.
Architect—None.
Contractor—Jos. Caranzi, 420 17th Ave., San Francisco. $2000

FRAME FLATS
(1013) SW CLEMENT AND SEVENTEENTH Ave. Two-story and basement frame (4) flats.
Owner—Dr. L. Gemmiani, 310 California St., San Francisco.
Architect—T. Paterson Ross, 310 California St., San Francisco.
Contractor — E. J. Montgomery, 1430 Broadway, San Francisco. $14,364

DWELLING
(1014) N PACIFIC AVE 155 W Baker. Two-story and basement frame dwelling.
Owner—Anne Oates Ashley and Harold Harrison Ashley, 2801 Sacramento St., San Francisco.
Architect—Ashley & Evers, 58 Sutter St., San Francisco.

Contractor — Chas. C. Williams, 1524 Franklin St, Oakland. $15,000

ADDITION
(1015) S CARL 50 W Shrader. Add to flats.
Owner—M. Banks, 159 Carl St., S. F.
Architect—None.
Day's work. $3500

SUPPLY HOUSE
(1016) E EIGHTH 75 N Harrison. Two-story frame supply house.
Owner—Amalgamated Laundry, 358 8th St., San Francisco.
Plans by Owner.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $5000

FRAME FLATS
(1017) W FOURTEENTH AVE 249 N Cabrillo. Two-story and basement frame (2) flats.
Owner—L. Solomon, % Architect.
Architect—D. C. Coleman, 110 Sutter St., San Francisco.
Day's work. $8750

FLATS
(1018) W DIVISADERO 109-6 S Ellis W 90xS 28. All work for two-story store and flat building.
Owner—Henry Verleger, 233 Post St., San Francisco.
Architect—Edw. G. Bolles, 233 Post St., San Francisco.
Contractor—G. Petterson, 251 Kearny St., San Francisco.
Filed Mar. 15, '22. Dated Mar. 14, '22.
Roof boarding in place.....$2000
Plastered 2871
Completed and accepted..... 2872
Usual 35 days..... 2583
TOTAL COST, $10,324
Bond, $5162. Sureties, Niels Larsen and Chas. H. Nilson. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(1019) W STOCKTON bet. Vallejo and Broadway, No. 1317 Stockton. All work for alterations and additions to frame building.
Owner—Adrien Esmiol, 1317 Stockton St., San Francsico.
Architect—Albert F. Fabre, 110 Sutter St., San Francisco.
Contractor—J. Ponsero, 10 Stark St., San Francisco.
Filed Mar. 15, '22. Dated Mar. 14, '22.
Rough carpenter work done and ready for plaster.....$1000
Completed and accepted..... 1510
Usual 35 days..... 840
TOTAL COST, $3350
Bond, none. Limit, 45 days. Forfeit, $10. Plans and specifications filed.

FRAME BUILDING
(1020) N McALLISTER 100 E Willard. All work for one-story and garage frame building.
Owner—Michael Enright, 2720 McAllister St., San Francisco.
Architect—None.
Contractor—Olaf Olsen, 366 Granada St., San Francisco.
Filed Mar. 15, '22. Dated Mar. 9, '22.
Frame up $1000
White coated 800
Completed and accepted..... 1463
Usual 35 days..... 1087
TOTAL COST, $4350
Bond, $——. Sureties, E. K. Nelson and Gust Carlson. Limit, 60 days. Forfeit, none. Specifications only filed.

FRAME FLATS
(1021) N CALIFORNIA 56 E 18th Ave E 28xN 100. All work for two-story frame (2) flats.
Owner—John and Kate Bellan, 723-A Green St., San Francisco.
Architect—E. A. Hermann.
Contractor—Olson & Persson, 248 Fell St., San Francisco.
Filed Mar. 15, '22. Dated Mar. 15, '22.
Frame up and roof boards on..$2137
Plumbing roughed in and ready for lathing..... 2137
White coated 2137
Completed and accepted..... 2139
Usual 35 days..... 2859
TOTAL COST, $11,400
Bond, none. Limit, 100 days. Forfeit, $10. Plans and specifications filed.

ALTERATIONS
(1022) S BUSH 137 E Taylor. Rearrange basement for two three-room apartments.
Owner—James Welch, 597 20th Ave., San Francisco.
Architect—None.
Day's work. $3000

FRAME FLATS
(1023) E DIVISADERO 137-6 N Union. Two-story and basement frame (2) flats.
Owner—Harvey A. Allen, 334 Pine St., San Francisco.
Architect—J. F. Dunn (deceased).
Contractor—Boxton & Zwieg, 809 Flatiron Bldg., San Francisco. $12,000

FLATS
(1024) N DAY 105 E Sanchez. Two-story and basement frame (2) flats.
Owner — Richard and Eva Anglassey, 258 Day St., San Francisco.
Architect—None.
Contractor—Antonio Cuneo, 243 Day St., San Francisco. $8000

DWELLING
(1025) E FORTY-FIRST AVE 65 N Cabrillo. One-story and basement frame dwelling.
Owner—Ervin E. Scharff, Pacific Bldg., San Francisco.
Architect—None.
Contractor—A. H. Ohlsen, 2869 Harrison St., San Francisco. $2500

STORES
(1028) N OCEAN AVE 36.374 W Plymouth. One-story frame (2) stores
Owner—A. and C. S. Morbio, New Call Bldg., San Francisco.
Designer—Adolph Morbio, 735 Call Bldg., San Francisco.
Contractor—Adolph Morbio, 735 Call Bldg., San Francisco. $2900

DWELLING
(1029) E TWENTY-EIGHTH AVE 245 S Geary. One-story and basement frame dwelling.
Owner—Mrs. A. Miller, 556 28th Ave., San Francisco.
Architect—None.
Contractor—E Rolff, 556 28th Ave., San Francisco. $3800

DWELLINGS
(1030) E TWENTY-FOURTH AVE 240 and 265 N Fulton. Two one-story and basement frame dwellings.
Owner—Wilbert C Edwards, 773 28th Ave., San Francisco.
Architect—None.
Day's work. $ 3000 each

ALTERATIONS
(1031) NO. 635 CLAYTON. Alter two flats into (4) apartments.
Owner—Mrs. S. Nesbitt, Premises.
Architect—None.
Contractor—J. W. Marsden, 507 Cole St., San Francisco. $3000

ALTERATIONS
(1032) NW GEARY & GRANT AVE. Alter store.
Owner—Gantner & Mattern Co., Prem.
Architect—Louis M. Upton, 454 Montgomery St., San Francisco.
Architect—None.
Day's work. $6000

RESIDENCE
(1034) E LIPPARD — N Chenery Lot 24 Blk 6739. All work except concrete work, tar and gravel roof and building paper for one-story and basement residence.
Owner—J. H. and Annie Dissmeyer, 32 Lippard St., San Francisco.
Architect—None.
Contractor—James Low, 76 Coleridge St., San Francisco.
Filed Mar. 16, '22. Dated Mar. 15, '22.
Ready for roof.....$932.75
Brown coated 932.75
Completed and accepted..... 932.75
Usual 35 days..... 932.75
TOTAL COST, $3731.00
Bond, $1866. Sureties, Byron J. Slyter and Jas. Frisken. Limit, 60 days. Forfeit, none. Plans and specifications filed.

COTTAGES
(1035) E TWENTY-FIFTH AVE 100 125 N Geary. All work for two 5-room cottages.
Owner—Jonathan Anderson, 3681 16th Ave., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.
Filed Mar. 16, '22. Dated Mar. 13, '22.
Frame up $2075
Brown coated 2075
Completed 2075
Usual 35 days..... 2075
TOTAL COST, $8300
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

ALTERATIONS
(1036) SW TWENTY-FOURTH AND Church. All work for alterations to store.
Owner—Frank Hoffman.
Engineer — Edw. McGlynn, 4221 25th St., San Francisco.
Contractor — George M. Merritt, 3014 Geary St., San Francisco.
Filed Mar. 16, '22. Dated Feb. 24, '22.
Total amount paid in execution of this agreement.....
TOTAL COST, $2355.95
Bond, none. Limit, April 12, 1922. Forfeit, none. Plans only filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Mar. 16, 1922—N JERSEY 150 E Church E 25xN 114. Victor Culimes to whom it may concern. Mar. 16, 1922

Mar. 15, 1922—W TENTH AVE 100 S Clement. A G Lafitte to Meyer Bros. .....Mar. 11, 1922

Mar. 15, 1922—E TWENTY-SECOND Ave 150 S Anza S 25xE 120. A V Anderson to whom it may concern. .....March 3, 1922

Mar. 15, 1922—NW PARIS 275 SW Italy Ave SW 25xNW 100 Ptn Blk 8, Excl Hd Assn. J W Wright & Sons Investment Co to J C Littlepage.....Mar. 15, 1922

Mar. 15, 1922—W TWENTY-FIFTH Ave 250 N Clement. J W Edmonds to Meyer Bros.....Mar. 13, 1922

Mar. 15, 1922—NW MISSION 60-7½ SW New Montgomery SW 60xNW 80. Walter H Sullivan to Barrett & Hilp.....Mar. 14, 1922

Mar. 14, 1922—BLK 3253, Balboa Terrace block bounded by Monterey Blvd, Santa Ana Ave., Darien Way and San Leandro Way, Lots 11 and 12. O M Hueter to Boxton & Zwieg .....March 12, 1922

Mar. 14, 1922—BLK 3253, Balboa Terrace block bounded by Monterey Blvd, Santa Ana Ave., Darien Way and San Leandro Way, Lots F, H, and J. O M Hueter to Boxton & Zwieg.....March 4, 1922

Mar. 14, 1922—E TWENTY-THIRD Ave 75 S Balboa S 25xE 82-6; E 23d Ave 50 S Balboa S 25xE 82-6. Geo S Green to Bredlow Green Co..... .....March 9, 1922

Mar. 11, 1922—N CALIFORNIA 82-11½ W Seventh Ave 25x100. Julia Steinauer to whom it may concern.....Mar. 10, 1922

Mar. 11, 1922—W VALENCIA 120 S 18th 25x100. San Francisco Realty Syndicate, a Cptn to whom it may concern.....Mar. 10, 1922

Mar. 11, 1922—W ELEVENTH AVE 87½ N Cabrillo; No. 681 11th Ave. Nathan A and Millie L Cahn to Alfred T Morris.....Mar. 10, 1922

Mar. 10, 1922—E LYON 82-7 N Filbert N 27-6 E 90 S 27-6 W 90-3 m or l. Axel A Johnson to whom it may concern.....Mar. 9, 1922

Mar. 10, 1922—LYON 110-7 N Filbert W 27-6 E 90 S 27-6 W 90-3. Axel A Johnson to whom it may concern .....Mar. 9, 1922

Mar. 10, 1922—S CALIFORNIA 32-6 E 21st Ave E 25xS 100. Arvid Peterson to whom it may concern .....Mar. 10, 1922

Mar. 10, 1922—E SIXTH AVE 150 N Judah 25x120. Samuel Schell to whom it may concern..Mar. 7, 1922

Mar. 9, 1922—SW SAN BRUNO AVE and Ward W 115-4¼ S 25 E 112-1½ N 25-2½. Umberto and Lina Gasperetti to whom it may concern.. .....Feb. 28, 1922

Mar. 9, 1922—E TWENTY-SEVENTH Ave 349 S Geary S 56x120. Thos Hamill to whom it may concern.. .....Mar. 8, 1922

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

Mar. 16, 1922—W SHOTWELL 127 S 20th No. 628 Shotwell. S Steinberg and W B Jefferson (as The Greater City Lumber Co) vs Frank and Catherine S Kelley & Hattie Haaf $106.05

Mar. 14, 1922—W WESTWOOD DR N 26 from N line Lot 7 Blk 3174 th alg W Westwood Drive S 45 N 82° 51 ft. 26 in. W 95 N 42.836 S 81° 9 ft. 46 in. E 95. Atlas Heating & Ventilating Co vs Louis and Lucy A Bauer $65

Mar. 14, 1922—LOTS 23 AND 24 BLK 24, Lakeview. L W Mullican vs Olaf Olsen, Thos H Parker and Nevada M Ogsten $108.78

Mar. 14, 1922—E BRYANT 50 S 26th S 25xE 100. Reinhart Lumber & Planing Mill Co vs W E Von Krakan $2850

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Mar. 10, 1922—SE HOWARD 104-2 NE Third. Dr. H H Lock and Esther E Black as to improvements on property..... .....

RELEASE OF BUILDING CONTRACT

SAN FRANCISCO COUNTY

Mar. 9, 1922—S TWENTY-EIGHTH 100 W Guerrero W 26xS 114. Albert E Hargrave and May E Hargrave to Elmer J Montgomery.....

BUILDING CONTRACTS

ALAMEDA COUNTY

$3,000 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
1028	Zurilzen	Hendrickson	2360
1031	Lewin	Larmer	4400
1035	Burren	Betz	4000
1036	Boyle	Isaacs	3750
1039	Borsvert	Mathayer	3400
1040	Diehl	McGinty	7914
1041	Poey	Petersen	4600
1042	Woodard	Woodard	4000
1043	Boyle	Isaacs	3750
1045	Lacazette	McPherson	5900
1049	Heerdon	Maurice	13000
1050	Houck	Owner	5000
1051	Houck	Owner	10000
1053	Marson	Almquist	12000
1055	Baggett	Owner	3500
1056	Sackett	Weymouth	5000
1058	Bold	Owner	3250
1065	Bannon	Dolan	3500
1066	Zodarile	Passarino	400
1067	Regali	Sharp	4000
1068	Cross	Burks	3800
1070	Hudson	Hudson	3000
1071	Sagehorn	Muller	13000
1074	Anderson	Owner	5000
1076	Dewitt	Vaughn	5237
1079	Brett	Deuble	3000
1082	Howard	Thaxter	13000
1085	White	Petersen	4000
1087	Hackett	Hansson	13315
1088	Parker	Jordan	5100
1089	P. G. & E.	Clark	1325
1090	Havre	Leiter	18900
1091	Moran	MacGregor	8850
1092	Laughlin	Engler	13400
1094	Wratten	Attebery	3300
1099	Podesta	Rider	5000
1100	Courtney	Davis	3500
1102	Zellerbach	Duval	80000
1103	Hinch	Owner	3000
1104	Sohncke	Johnson	4000
1105	Regents	Knowles	34250
1106	Regents	Mission	2000
1107	Regents	Grassi	8280
1108	Conner	McDuffie	5000
1109	Webb	McDuffie	5000
1112	Liotta	Johnson	3300
1113	Parr	Owner	4500
1115	Bramlage	Owner	5000
1117	Same	Same	10000
1118	Same	Same	4000
1119	Lenox	Sydes	4000
1125	Albers	Albers	3000
1127	Campbell	Sprague	3000
1128	Pedersen	Owner	10000
1131	Gacier	Owner	3000
1132	Condues	Anderson	5300
1133	Anderson	Owner	3000
1135	Woolf	Theile	3800
1136	Associated	Vogt	10500
1137	Gester	Cederborg	5000
1138	Bigelow	Owner	4000
1139	Jepsen	Owner	4000
1140	Pollard	Owner	3000
1141	Donovan	Owner	20000
1143	Whitehead	McGinty	11793
1147	Jewett	Barnes	2775
1149	Hart	Owner	4000
1150	Bennis	Anderson	5000
1154	Braun	Owner	9475
1155	Bank of Italy	Barrett	30000
1156	Jones	Hillen	4500
1157	Gracia	Owner	5000
1158	Marsan	Almquist	12000
1159	Lelsz	Baker	4725

DWELLING
(1028) NO. 1528 HEARST AVE., Berkeley. One-story 5-room dwelling
Owner—G. F. Zurilzen.
Architect—None.
Contractor—A. Hendrickson, 755 60th St., Oakland. $3360

DWELLING
(1031) NO. 2747 REGENT ST., Berkeley. One-story 5-room dwlg.
Owner—Mrs. Lewis.
Architect—None.
Contractor—Edw. Larmer, 90 Fairview Ave., Berkeley. $4400

DWELLING
(1035) NO. 1720 SOLANO, Berkeley Two-story 6-room dwelling.
Owner—Lena Burren
Architect—None.
Contractor—C. G. Betz, 1536 Delaware St., Berkeley $4000

DWELLING
(1036) E BEST AVE. 220 N Fleming, Oakland. One-story 5-room dwelling.
Owner—Harry L. Boyle, 2820 Kingsland Ave., Oakland.
Architect—None.
Contractor—Harry W. Isaacs, 280 Modesto Ave., Oakland. $3750

ADDITION
(1038) NO. 1125 EIGHTY-SIXTH AVE, Oakland. Addition
Owner—Jess Leonardo.
Architect—None.
Contractor—J. J. Leonardo, 2221 Auseon Ave., Oakland. $580

DWELLING
(1039) N FIFTY-NINTH 134 E Telegraph, Oakland. One-story 5-room dwelling.
Owner—Nellie G. Brosvert.
Architect—None.
Contractor—T. B. Mathayer & Co., 1369 Hopkins St., Oakland. $3400

MARKET
(1040) E FRANKLIN 25 N 5th, Oakland. One-story market.
Owner—F. W. Diehl, 3rd and Franklin Sts., Oakland.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—W. G. McGinty & Sons, Federal Bldg., Oakland. $7914

STORES
(1041) S FOOTHILL BLVD. 75 W 34th Ave., Oakland. One-story stores.
Owner—M. Poey.
Architect—None.
Contractor—J. B. Petersen, 2053 38th Ave., Oakland. $4600

DWELLING
(1042) E JEAN 110 S SUNNYSLOPE, Oakland. One-story 6-room dwelling.
Owner—Mabel Woodard, 535 Merritt Ave., Oakland.
Architect—None.
Contractor—E. W. Woodard, 535 Merritt Ave., Oakland. $4000

DWELLING
(1043) W KINGSLAND 96 N Fleming Ave. Oakland One-story 5-room dwelling.
Owner—Harry L. Boyle, 2820 Kingsland Ave., Oakland.
Architect—None.
Contractor—Harry W. Isaacs, 280 Modesto Ave., Oakland. $3750

GARAGE
(1048) BROADWAY, bet. Orchard and Hawthorn Sts., Oakland. All work for garage.
Owner—Eugene Lacazette, 3022 Broadway, Oakland.
Architect—None.
Contractor—S. McPherson, 2151 Ashby Ave., Berkeley.
Filed Mar. 10, '22. Dated Feb. 27, '22.
Walls ½ up $1475
Roof trusses in place..... 1475
Completed 1475
20 days after 1475
TOTAL COST, $5900
Bond, none. Limit, 50 days. Forfeit, plans and specifications, none
NOTE—Permit reported Mar 7, 1922, No. 937

LOFT BLDG.
NE FIRST AND FRANKLIN STS., Oakland. Two-story loft building
Owner—F. W. Diehl, 3rd and Franklin Sts., Oakland
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor — T. A. Cuthbertson, 1766 12th Ave., San Francisco. $14,749

DWELLING
(1050) E EDGEWOOD AVE. 280 N Wellington, Oakland. One-story 7-room dwelling.
Owner—H. L. Houck, 4445 Evans Ave., Oakland.
Architect—None.
Day's work. $5000

DWELLINGS
(1051) E EDGEWOOD AVE. 120 and 160 S Everett, Oakland. Two 1-story 7-room dwellings.
Owner—H. L. Houck, 4445 Evans Ave., Oakland.

Architect—None.
Day's work. $5000 each

APARTMENTS AND STORES
(1053) NE FAIRFAX AVE. & BOND St., Oakland. Two-story 16-room apartments and stores.
Owner—Dr. Marson, 5401 Bond St., Oakland.
Architect—None.
Contractor—John Almquist, 5356 Trask St., Oakland. $12,000

DWELLING
(1055) E SIXTY-FIRST AVE. 213 N Foothill Blvd., Oakland One-story 5-room dwelling.
Owner—Ralph B. Baggett, 2330 Mitchell St., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(1056) S SIXTIETH 216 E Colby St., Oakland. One-story 5-room dwelling.
Owner—Mrs. Geo. L. Sackett, 30 Grand Ave., Oakland.
Architect—None.
Contractor—E. A. Weymouth, 5527 McMillan Ave., Berkeley. $5000

DWELLING
(1058) E THIRTY-SIXTH AVE. 150 N Foothill Blvd., Oakland One-story 5-room dwelling.
Owner—John F. Bold, 1934 36th Ave., Oakland.
Architect—None.
Day's work. $3250

DWELLING
(1065) E VALLE VISTA 200 S Elmwood, Oakland. One-story 5-room dwelling.
Owner—A. Bannon, Syndicate Bldg., Oakland.
Architect—None.
Contractor—L. J. Dolan, Syndicate Bldg., Oakland. $3500

DWELLING
(1067) N ARLINGTON AVE. 120 W Los Angeles, Oakland. One-story 5-room dwelling.
Owner—C. Rigali, 5718 San Pablo Ave., Oakland.
Architect—None.
Contractor—A. C. Sharp, 1327 E-28th St., Oakland. $4000

ADDITION
(1068) W CYPRESS 150 S 7th St., Oakland. Addition.
Owner—R. H. Cross.
Architect—None.
Contractor—C. E. Burks, 4129 Randolph Ave., Oakland. $3800

DWELLING
(1070) N E-THIRTY-NINTH 120 W Lincoln Ave., Oakland. One-story 5-room dwelling.
Owner—Hudson & Stevens, 1776 Evers Ave., Oakland.
Architect—None.
Contractor—L. G. Hudson. $3000

APARTMENTS
(1071) E EUCLID AVE. 103 N Lagunitas, Oakland. Two-story 14-room apartments.
Owner—G. Sagehorn, 706 25th St., Oakland.
Architect—None.
Contractor—F. A. Muller, Syndicate Bldg., Oakland. $13,000

DWELLING
(1074) SE FORTY-SECOND & OPAL, Oakland. One-story 7-room dwelling.
Owner—A. P. Anderson, 5601 Adeline St., Oakland.
Architect—None.
Day's work. $5000

ADDITION
(1076) NO. 555 MONTCLAIR, Oakland. Addition.
Owner—Fred M. Dewitt, premises.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—John Vaughan, 1124 Hampel St., Oakland. $5297

DWELLING
(1079) W MYRTLE 110 S 21st, Oakland. One-story 3-room dwelling.
Owner—J. T. Brett, 421 Central Bank Bldg., Oakland.
Architect—None.
Contractor—C. B. Deuble, 421 Central Bank Bldg., Oakland. $3000

FLATS
(1082) E TELEGRAPH AVE. 60 S 65th, Oakland. Two-story 16-room flats and garage.
Owner—Chas. W. Heward, 6420 66th St, Oakland.
Architect—None.
Contractor—F. W. Thaxter, 2117 Derby St., Berkeley. $13000

STORES
(1085) N TWENTIETH 100 E Telegraph Ave., Oakland. One-story tile stores.
Owner—Carlos White, Syndicate Bldg., Oakland.
Architect—None.
Contractor—J. B. Petersen, 2053 38th Ave., Oakland. $4000

DWELLING
(1087) PTN LOTS 13 and 17, Crocker Tract, Piedmont. All work for frame dwelling.
Owner—Mary Nelson Hackett, Oakland
Architect—John Hudson Thomas, 1st National Bank Bldg., Berkeley.
Contractor — Louis G. Hansson, 1409 Bonita St., Berkeley.
Filed Mar. 13, '22. Dated Mar. 13, '22.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $13,315
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1088) LOT 4 BLK "C" Map Lakewood Park, Piedmont. All work for one-story 5-room dwelling.
Owner — Edwin E. and Carrie Louise Parker, Oakland.
Architect—None.
Contractor—M. Jordan & Carl V. Zeile (Jordan & Zeile), 2544 Milvia St., Berkeley.
Filed Mar. 13, '22. Dated Mar. 11, '22.
Contract signed .....$ 550
Frame up 1000
Brown coated 1000
Completed and accepted..... 1550
Usual 35 days..... 1000
TOTAL COST, $5100
Bond, none. Limit, 90 days from Mar. 15. Forfeit, none. Plans and specifications filed.

TILING
(1089) PART PLOT "F" Undivided Mountain on Hill Land V & D, Peralta, Oakland. Terra cotta tiling on substation.
Owner—Pacific Gas & Electric Co.
Architect—None.
Contractor—N. Clark & Sons, 116 Natoma St., San Francisco.
Filed Mar. 13, '22. Dated Mar 7, '22.
Completed 75%
Usual 35 days..... 25%
TOTAL COST, $1325
Bond, $665. Surety, Globe Indemnity Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1090) NO. 2909 AVALON ST., Berkeley. Two-story 11-room dwlg.
Owner—J. B. Havre.
Architect—B. G. McDougall, 381 Bush St., San Francisco.
Contractor—E. F. Leiter & Sons, Call Bldg., San Francisco. $18,900

DWELLINGS
(1091) NO. 927-931-933 BANCROFT, Berkeley. Three one-story five-room dwellings.
Owner—T. W. Moran, Plaza Bldg., Oakland.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland. $2950 each

DWELLING
(1092) NO. 2720 COLLEGE AVE., Berkeley Two-story 16-room 4-family dwelling.
Owner—Annie B. Laughlin, SW. Cor. College and Bancroft, Berkeley.
Architect—None.
Contractor—Louis Engler, 2940 Forest Ave., Berkeley. $13,400

DWELLING
(1094) W MANDANA BLVD. 500 N Calmar, Oakland. One-story 5-room dwelling.
Owner—A. D. Wratten, 63 Valley St., Oakland.
Architect—None.
Contractor—A. R. Attebery, 2039 32nd Ave., Oakland. $3300

DWELLINGS
(1099) S ALLENDALE AVE. 50 and 100 W 38th Ave., Oakland. Two 1-story 5-room dwellings.
Owner—G. Podesta, 3801 Allendale Ave., Oakland.
Architect—None.
Contractor—B. H. Rider, 2803 Minna Ave., Oakland. $2500 each

DWELLING
(1100) N LYON AVE. 260 E 38th Ave., Oakland. One and one-half story 6-room dwelling.
Owner—Geo. L. Courtney, 3850 Lyon Ave., Oakland.
Architect—None.
Contractor—L. J. Davis, 37 Monte Vista Ave., Oakland. $3500

WAREHOUSE
(1102) NE SIXTH AND FRANKLIN, Oakland. Three-story reinforced concrete warehouse.
Owner—Zellerbach Paper Co., 618 Franklin St., Oakland.
Architect—None.
Contractor—Oliver Duval & Son, Dalziel Bldg., Oakland. $80,000

DWELLING
(1103) N NEVIL 75 W 38th Ave., Oakland. One-story 5-room dwelling.
Owner—Jos T. Hinch, Federal Bldg., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(1104) E SIXTIETH AVE. 120 S Scenic Ave., Oakland. One-story 6-room dwelling.
Owner—Mrs. M. A. Schncke, 1511 Myrtle St., Oakland.
Architect—None.
Contractor—O. R. Johnson, 3131 Talbot Ave., Oakland. $4000

CEMENT WORK
(1105) UNIVERSITY GROUNDS, Berkeley. Exterior cement work for Students' Union Building.
Owner—The Regents of University of California, Berkeley.
Architect — John Galen Howard, 1st National Bk Bldg., San Francisco.
Contractor — A. Knowles, Call Bldg., San Francisco.
Filed Mar. 11, '22. Dated Feb. 14, '22.
Monthly payments of 75%
Usual 35 days..... 25%
TOTAL COST, $34,250

Bond. $17,125. Surety, American Indemnity Co. Limit, June 20. Forfeit, $50. Plans and specifications filed

(1106) MARBLE WORK ON ABOVE.
Contractor—Mission Marble Works, 363 Guerrero St., San Francisco.
Filed Mar. 11, '22. Dated Feb. 14, '22. Payments same as above.....
TOTAL COST, $2000
Bond $1000. Surety, Aetna Casualty & Surety Co. Limit, June 1. Forfeit, $50. Plans and specifications filed.

(1107) TERRAZZO WORK ON ABOVE
Contractor—P. Grassi and A. Menutoli (P. Grassi Co.). 125 Tehama St., San Francisco.
Filed Mar. 11, '22. Dated Feb. 14, '22. Payments same as above.....
TOTAL COST, $8280
Bond, $1140. Surety, New Amsterdam Casualty Co. Limit, June 1. Forfeit, $50. Plans and specifications filed.

DWELLING
(1108) NO. 1143 ALAMEDA, Berkeley. Two-story 7-room dwelling.
Owner—Mrs. C. H. Connor.
Architect—None.
Contractor—Mason McDuffie Co., Shattuck and Addison, Berkeley. $5000

DWELLING
(1109) NO. 3031 CLAREMONT, Berkeley. One and one-half story 7-room dwelling.
Owner—Geo. R. Webb.
Architect—None.
Contractor—Mason McDuffie Co., Shattuck Ave. and Addison, Berkeley. $5000

DWELLING
(1112) W KAINS AVE. N Virginia, Berkeley. One-story 4-room dwelling.
Owner—Eugene Liotta, 219 Cornwall St., San Francisco.
Architect—None.
Contractor—S. G. Johnson, 4652 Dolores Ave., Oakland. $3300

DWELLING
(1113) NO. 17 OAKVALE, Berkeley. Two-story 8-room dwelling.
Owner—S. C. Pars, 856 Arlington St., Berkeley.
Architect—None.
Day's work. $4500

DWELLING
(1115) NO. 1728 SAN LORENZ, Berkeley. One-story 6-room dwelling.
Owner—E. H. Bramlage, 2226 Haste St, Berkeley.
Architect—None.
Day's work. $5000

DWELLING
(1117) E CLARENDON CRESCENT 425 E Ashmount Oakland. One-story 8-room dwelling.
Owner—L. Saroni, 806 Howard St., San Francisco.
Architect—None.
Contractor—C. P. Pond, 1163 Ashmount Ave., Oakland $10,600

DWELLING
(1118) W CLARENDON CRESCENT 650 S Ashmount Oakland One-story 7-room dwelling
Owner—L. Saroni, 806 Howard St., San Francisco
Architect—None.
Contractor—C. P. Pond 1163 Ashmount Ave., Oakland $4000

DWELLING
(1119) W DIVISION 170 N Wellington Oakland One-story 5-room dwlg
Owner—C. R. Lenox 819 E-22nd St Oakland.
Architect—None
Contractor—E. C. Sydes, 5343 Lagunitas Ave., Oakland $1600

DWELLING
(1125) N LAVERNE AVE 100 E 55th Ave., Oakland. One-story 5-room dwelling.
Owner—F. W. Albers, 5152 Foothill Blvd., Oakland.
Architect—None.
Contractor—Geo. H. Albers. $3000

REPAIRS
(1127) SE NINTH AND HARRISON, Oakland. Fire repairs.
Owner—Wm. Campbell, 404 15th St., Oakland.
Architect—None.
Contractor—J. E. Sprague, 351 12th St., Oakland. $3000

APARTMENTS
(1128) NE PARK BLVD. AND MONTclair, Oakland Two-story 12-room apartmnts.
Owner—T. A. Pederson, 1398 E-27th St., Oakland.
Architect—A. W. Smith, 1010 Broadway Oakland.
Day's work. $10,000

DWELLING
(1131) E THIRTY-NINTH AVE 420 N E-14th St., Oakland. One-story 5-room dwelling.
Owner—L. E. Gracier, 1520 39th Ave., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(1132) LOT 11 MAP REOM TRACT, Oakland. One-story frame dwelling.
Owner—Mrs. Demetra Condues Oakland.
Architect—Clay N. Burrell, First Savings Bank Bldg., Oakland.
Contractor—A. Frederick Anderson, 4332 Leach Ave., Oakland.
Filed Mar. 15, '22. Dated Feb. —, '22
Rafters in place ..... $ 993.75
Plastered 993.75
Standing finish on 993.75
Completed and accepted..... 993.75
Usual 35 days..... 1325.00
TOTAL COST, $5,300
Bond, $——. Sureties, Nils Anderson and C. W. Anderson. Limit, 75 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1133) NO. 1231 HIGH, Alameda. One-story 5-room dwelling.
Owner—C. B. Anderson, 1363 Versailles Ave., Alameda.
Architect—None.
Day's work. $3000

DWELLING
(1135) NO. 903 UNION, Alameda. One-story dwelling.
Owner—T. Woolf, NW Central and High Sts., Alameda.
Architect—None.
Contractor—F. J. Thelle, 2908 Madison St., Alameda. $3800

GARAGE
(1136) NO. 2395 WEBSTER, Alameda. Garage.
Owner—Associated Oil Co., San Francisco
Architect—None.
Contractor—A. H. Vogt, 185 Stevenson St., San Francisco. $10,500

DWELLING
(1137) NO 12 BROOKSIDE AVE, Berkeley One-story 6-room dwelling
Owner—Kate D. Gester
Architect—Rex D. Veston, Los Angeles
Contractor—A. Cederborg, 1445 Excelsior Ave., Berkeley $5000

DWELLING
(1138) NO. 2325 DERBY, Berkeley Two-story 6-room dwelling.
Owner—J. E. Bigelow, 2234 Atherton St., Berkeley.
Architect—None.
Day's work. $4000

DWELLING
(1139) NO. 1229 MONTEREY, Berkeley. One-story 5-room dwelling.
Owner—Henry Jepsen, 1832 Delaware St., Berkeley.
Architect—None.
Day's work. $4000

DWELLING
(1140) NO. 1038 MERCED, Berkeley. One-story 5-room dwelling.
Owner—A. J. Pollard, 77 Plaza Drive, Berkeley.
Architect—None.
Day's work. $3000

ADDITION
(1141) SW ALCATRAZ AND TELEgraph Aves., Oakland. Two-story addition to apartments.
Owner—Henry C. Donovan, 527 Alcatraz Ave., Oakland.
Architect—M. I. Diggs, Easton Bldg., Oakland.
Day's work. $20,000

STORES
(1143) W BROADWAY 175 S 21st, Oakland. One-story concrete stores
Owner—R. Whitehead, 240 Grand Ave Oakland.
Architect—C. W. McCall, Central Bank Bldg., Oakland.
Contractor—W. G. McGinty & Sons Federal Bldg., Oakland. $11,79[illegible]

DWELLING
(1149) S FOOTHILL BLVD. 40 E 51st Ave., Oakland. One-story 6-room dwelling.
Owner—H. M. Hart, 130 11th St., Oakland.
Architect—None.
Day's work. $4000

DWELLING
(1150) W FIFTY-FIRST AVE. 192 N Melrose, Oakland. One-story 5-room dwelling.
Owner—Florence Bennis, 312 Oak St., Oakland.
Architect—None.
Contractor—A. Frederick Anderson, 2800 Delaware St., Oakland. $3000

DWELLING
(1151) N JEAN 250 W Grand Ave., Oakland. One-story 6-room dwelling.
Owner—Mrs. Demetria Condues, Puritas Cafe, Oakland.
Architect—C. N. Burrell, First Savings Bank Bldg., Oakland.
Contractor—A. Frederick Anderson, 2800 Delaware St., Oakland. $5000

VAULT, ETC
(1154) SW SIXTY-SEVENTH AND San Pablo Ave., Oakland. One-story factory and store, concrete vault and one-story warehouse.
Owner—Charles J. Brann, 6551 San Pablo Ave. Oakland.
Architect—None
Day's work $9475

BANK BLDG
(1155) NE SAN PABLO AND STANford, Oakland. One-story concrete bank building.
Owner—Bank of Italy, Powell & Eddy Sts., San Francisco
Architect—E. T. Foulkes, Crocker Bldg San Francisco
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $30,000

DWELLING
(1156) E TWENTY-EIGHTH 102 N E 16th Oakland. One-story 6-room dwelling
Owner—Harry N. Jones, 5364 Track St., Oakland

Architect—None.
Contractor—R. C. Hillen, 5364 Trask St., Oakland. $4500

DWELLING
(1157) N TRESTLE GLEN 300 S Lakeshore, Oakland. Two-story 6-room dwelling.
Owner—F. H. Garcia. 1527 E-15th St., Oakland.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Day's work. $5000

APARTMENTS
(1158) NE BOND AND FAIRFAX Ave., Oakland. Two stores and 4 apartments.
Owner—D. A. Marsan, 5491 Bond St., Oakland.
Architect—None.
Contractor—John Almquist, 5356 Trask St., Oakland.
Filed Mar. 16, '22. Dated Mar. 7, '22.
Foundation completed .....$ 400
Ready for roof..... 2500
Plastered 2500
Ready for plumbing fixtures... 2500
Completed and accepted 1500
Usual 35 days..... 2600
TOTAL COST, $12,000
Bond, none. Limitt 120 days. Forfeit, plans and specifications filed.

DWELLING
(1159) LOT 11 BLK 17, Lakeshore Highlands, Oakland. All work for one-story 6-room dwelling and garage.
Owner—George Wm. Leisz, 425 Van Dyke Ave., Oakland.
Architect—None.
Contractor—W. J. Baker, 2255 Ransome Ave., Oakland.
Filed Mar. 16, "2. Dated Mar. 16, '22. Contractor gets $3750 flat loan to be put on and deed to Lot 23 Blk B/1302 Golden Gate Tract, also $175 cash ....
TOTAL COST, $4725
Bond, none. Limit, 90 days after Mar. 20. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
Mar. 16, 1922—LOT 5 Spring Court, Berkeley. A H Pallen to whom it may concern .....Mar. 15, 1922
Mar. 16, 1922—LOT 5 BLK 1 MAP Northbrae, Berkeley. A H Pallen to whom it may concern.Mar. 15, 1922
Mar. 15, 1922—LOT 23 and S 2 Lot 22, Map Allendale Park, Oakland. Margaret Palmer to B H Rider.... .....March 15, 1922
Mar. 15, 1922—W TELEGRAPH AVE 95 N Haste N 40xW 57, Berkeley. Daniel Read to S G Rankin..... .....March 15, 1922
Mar. 15, 1922—STONEHURST, Alameda Co. S. P. Co. to Hutchinson Co.....Mar. 11, 1922
Mar. 15, 1922—PTN LOTS 1 AND 2 Blk 7, Solano Ave. Terrace, Berkeley. Anna A Lewis to A Hendrickson.....Mar. 11, 1922
Mar. 15, 1922—E PERALTA AVE 25 S Nichol Ave 37½x110, Oakland. A Van Der Haegnan to whom it may concern.....Mar. 11, 1922
Feb. 14, 1922—LOTS 5, 6, 7 and 8 Blk 94, Kellersbergers Map, Oakland. U R and Maud Cherry by H L Richardson to Lawrence Turner.....Mar. 2, 1922
Mar. 14, 1922—LOT 10 BLK 3, Map Fairview Park, Oakland. Olive M Harvey to S J Spearin & A Larsen .....March 1, 1922
Mar. 13, 1922—N GLENDORA being Lot 19 Blk 8, 4th Ave. Terrace, Oakland. Harold Halleen to E Maasberg .....Mar. 8, 1922
Mar. 13, 1922—TWENTIETH ST., bet. San Pablo and Telegraph Aves. Oakland. S. P. Co. to Hutchinson Co.....Mar. 10, 1922
Mar. 13, 1922—NE COLLEGE AND Keith Aves E 106.06 N 46 W 38 S to Pt beg, Oakland. G R Sullivan to L H Cox.....Feb. 2, 1921
Mar. 13, 1922—LOT 1 Twitchell Tct, Berkeley. Mrs. J R Waterbury to Roy O Long Co.....Mar. 4, 1922
Mar. 11, 1922—SE ETNA AND Dwight Way E 70xS 110, Berkeley. I Salsman to L L Lucas.Mar. 11, 1922
Mar. 11, 1922—FRACTIONAL PART SE ¼ of NE ¼ of Sec 17 Tp 5 S Range 1 W M D B & M near Newark. Pacific Gas & Elec Co to United Materials CoMar. 6, 1922; Hermann Bosch.....Mar. 6, 1922
Mar. 11, 1922—NO. 3602 GALINDO ST. Oakland. Elizabeth E Loveland to whom it may concern..Feb. 20, 1922
Mar. 10, 1922—LOT 9 Map Craig Pty, Piedmont. Sam J Frendenbhal by J H A Shealey to Burritt & Shealey .....March 10, 1922
Mar. 10, 1922—LOT 25 BLK 36, Fairmount Park, Albany. Louis White to whom it may concern..Mar. 9, '22.
Mar. 10, 1922—N ½ LOT 2, all Lot 1 Blk 163 Map Grayson Tract, Berkeley. W Ross to Gustaf Johanson .....Mar. 8, 1922
Mar. 10, 1922—E-TWENTY-EIGHTH and Garden Ave., Oakland. Salvation Army, Inc, by M I Diggs to Palmer & Peterson....Jan. 11, 1922
Mar. 10, 1922—LOT 21 BLK 20 Map Lakeshore Highlands, Oakland. Mary J Baker to whom it may concern.....Mar. 9, 1922

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
Mar. 15, 1922—NW E-EIGHTEENTH and Seventh Ave N 50 th at right angles 150 N 100 E 150 th at right angles 100, Oakland. Sidney B & Noble Newsom vs Art Tailoring Co $505.06
Mar. 14, 1922—SW SANTA CLARA Ave and NW Park Ave SW 166.76 NW 118 NE 45 NW 140 NE 120.19 SE 175.6 SW 130 SE 55 NE 130 SE 27.5, Alameda. W H Pollard Jr vs Mrs. L M Pates and Tucker Investment Co $346.40
Mar. 13, 1922—LOT 85 BLK 1, Lakeshore Highlands, Oakland. Maxwell Hardware Co vs Chas Martin and Geo H and C M Moore....$100.35

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount
Mar. 9, 1922—LOT 13 BLK 1, Map Herzog Tract, Oakland. Terminal Lumber Co, $1375.28; Maxwell Hardware Co. $204.14; Al M Feary, $723.70; Henry Cowell Lime & Cement Co, $199.74; Chas F Osgood, $16.50 to A L and D B Bankhead.

Notice of Non Responsibility

ALAMEDA COUNTY

Mar. 16, 1922—E FRANKLIN 716.55 N 14th E 150 N 70, Oakland. W H Wakefield as to improvements on property .....
Mar. 15, 1922—PTN BLK "F" Mountain & Hill Land Kellersberger's Sbdvn V & D Peralta Ranche, —— Suzette B Weber and Katherine E West as to improvements on property .....
Mar. 11, 1922—NE 12½ LOT 30, all Lot 31 Blk 14 Map Key Route Heights, Oakland. Alameda Investment Co as to improvements on property .....

HOMESTEADS

ALAMEDA COUNTY

Mar. 15, 1922—SW E-SIXTEENTH 105 SE 13th Ave SE 45xSW 150, Oakland. Kate Stuhlmacher (wf Bernhard H).....$2500
Mar. 15, 1922—NW COLLEGE AVE 392 22 SW San Jose Ave SW 45 NW to pt 77.02 NE Versailles Ave., Alameda. Minnie H Anderson (wf Chris M) $1000
Mar. 15, 1922—LOT 31 AND W 2 Lot 30, Map Allendale Park, Oakland. Jennie Rider (wf B H)..$2500
Mar. 13, 1922—S RIO VISTA AVE 105 E Piedmont Ave E 35xS 100, Oakland. Alma M McTeer (wf Alex) $4000
Mar. 13, 1922—NE E-TENTH 75 SE 35th Ave SE 37-6xNE 105, Oakland. Anna C Gardner.....$3500
Mar. 13, 1922—LOT 28 Map Peralta Terrace, Oakland. Laura Alice McNeely (wf Charles Thomas) ...$5000
Mar. 11, 1922—LOT 76 Resbdvn Blk D Meek Estate Orchards, Hayward. A A and Margaret Grube.....$4000
Mar. 11, 1922—LOT 26 BLK C Map Parson's Golden Gate Tract, Oakland. Helen C Von Aspern (wf Peter) $2500
Mar. 10, 1922—LOT 3 Map Oak Vale, Claremont, Berkeley. Mary Hays Wolf (wf Nathan C).....$9000

BUILDING CONTRACTS

SACRAMENTO COUNTY

$1,000 and Over Reported

DWELLING
NO. 2117 TWENTY-FOURTH ST., Sacramento. One-story 5-room frame dwelling and garage.
Owner—Anna E. Williams, 4216 San Benita St., Sacramento.
Architect—None.
Day's work. $2950

DWELLINGS
NO. 3033, 3040, 3209, 3261 FORTY-fourth St., Sacramento. Four one-story 5-room dwellings.
Owner—W. T. Foster, 3400 Fourth Ave., Sacramento.
Architect—None.
Day's work. $1500 each

RESIDENCE
LOT 1741 AND S 10 ft. Lot 1742, Sacramento. Residence.
Owner—Harry W. Robertson.
Architect—None.
Contractor—Oscar Ettinger. $9234
Filed Mar. 7, '22. Dated Mar. 7, "22.

DWELLING
NO. 3655 J ST., Sacramento. Two-story 5-room dwelling.
Owner—H. M. Clark, 2515 28th St., Sacramento.
Architect—None.
Contractor—E. E. Sydenstricker, 2218 H St., Sacramento. $5200

SMOKE HOUSE
NO. 806 SIXTH ST., Sacramento. Smoke house.
Owner—Western Meat Co., Premises.
Architect—None.
Contractor—Larsen & Siegrist Co., 807 Claus Spreckels Bldg., San Francisco. $3700

DWELLING
NO. 1940 THIRTY-SIXTH ST., Sacramento. One-story 5-room dwelling and garage.
Owner—Anna C. Williams, 4212 San Benita Way, Sacramento.
Architect—None.
Day's work. $2950

FLAT BLDG.
NO. 2212 N ST., Sacramento. Two-story 4-flat building

Owner—A. E. Bauer, 701 O St., Sacramento.
Architect—None.
Contractor—G. E. Harvie, 2212 T St., Sacramento. $11,750

MOVE HOUSE
NO. 2800 O ST., Sacramento. Move house from No. 1510 11th St.
Owner—J. R Benson, 2119 J St., Sacramento.
Architect—None.
Day's work. $1200

DWELLING
NO. 1140 FORTY-SECOND ST., Sacramento. Two-story 6-room dwelling
Owner—N. F. Gillenwaters, 1011½ 14th St., Sacramento.
Architect—None.
Contractor—J. A. Lucas, 1604 V St. Sacramento. $4700

FLATS
NO. 1614 O ST., Sacramento. Three-story 6-flat building (4 rms each)
Owner—J. W. Farrington, 712 8th St., Sacramento.
Architect—None.
Day's work. $16,000

DWELLING
NO. 1933 VALLEJO WAY, Sacramento. One-story 4-room dwelling.
Owner—A. Collings, Fair Oaks, Sacramento.
Architect—None.
Day's work. $2500

DWELLING
NO. 2328 T ST., Sacramento. One-story 5-room dwelling and garage.
Owner—J. Earl Langdon, Bee Office, Sacramento.
Architect—None.
Contractor—G. E. Harvie, 2212 T St., Sacramento. $5000

DWELLINGS
NO 4533, 4549 TWELFTH AVE., Sacramento. Two one-story 5-room dwelling.
Owner—Business Woman Syndicate, 4th and K Sts., Sacramento.
Architect—None.
Contractor—A. W. Griffin, Sacramento. $2560

DWELLING
NO. 1514 U ST., Sacramento. One-story 5-room dwelling and garage.
Owner—H. D. Jones, 7530½ T St., Sacramento.
Architect—None
Contractor—H. G. Birdsall, 1530½ T St., Sacramento. $3800

DWELLING
NO. 1217 FORTY-SECOND ST., Sacramento. Two-story 7-room dwelling and garage.
Owner—Oscar Ettinger 809 K St., St., Sacramento.
Architect—None.
Contractor—H. W. Robertson, 1142 37th Sacramento. $——

DWELLING
NO. 857 THIRTY-THIRD ST., Sacramento. One-story 5-room dwelling.
Owner—Roy Miller, 1420 15th St., Sacramento
Architect—None.
Contractor—E. D Brier, 321 27th St., Sacramento $2600

DWELLING
NO. 2632 FIFTH AVE., Sacramento. One-story 6-room dwelling.
Owner—L. C. Montfort, 1311 H St., Sacramento
Architect—None
Contractor—J. T. Randall, 1055 41st St., Sacramento. $4340

FLATS
NO. 2524 FIRST AVE., Sacramento Two-story (2) flats, 5-rooms each
Owner—W. Alberts, 2625 25th St., Sacramento.
Architect—None.
Contractor—Warren & Beebe, 2009½ F St., Sacramento. $6000

DWELLING
NO. 2750 FORTY-SECOND ST., Sacramento. One-story 4-room dwlg.
Owner—Ellen R. Cress, 2740 42nd St., Sacramento.
Architect—None.
Day's work. $2000

MOVE HOUSE
NO. 1600 TENTH ST., Sacramento. Move house from No. 1002 P St.
Owner—Mrs. D. Ebel, 1002 P St., Sacramento.
Architect—None.
Contractor—Warren & Beebe, 2009½ F St., Sacramento. $2000

DWELLING
NO. 2512 X ST., Sacramento. One-story 7-room dwelling.
Owner—Wm. Slaughter, 1324 6th St., Sacramento.
Architect—None.
Contractor — E. D. Brier, 813 J St., ramento. $4800

SCHOOL
TWENTY-SIXTH AND V STS., Sacramento. Newton Booth School.
Owner—Sacramento City School Dist.
Architect—None.
Contractor—Geo. Wagner, 251 Kearny St., San Francisco. $177,990

DWELLING
NO. 2124 TWENTY-FIFTH ST., Sacramento. One-story 5-room dwlg.
Owner—John McGreggor, Sacramento.
Architect—None.
Contractor—E. D. Brier, 321 27th St., Sacramento. $3000

DWELLING
NO 940 THIRTY-EIGHTH ST., Sacramento. One-story 5-room dwelling
Owner—Wm. M. Iverson, 909 38th St., Sacramento.
Architect—None.
Contractor—Thos. B. Hunt, 2926 S St., Sacramento. $3600

DWELLINGS
NO. 1817 AND 1821 TWENTY-FIFTH St., Sacramento. Two one-story 5-room dwelling
Owner—Greer & Harrigan, 708 J St., Sacramento.
Architect—None.
Day's work. $2800 each

DWELLING
NO. 1409 THIRTY-SEVENTH ST., Sacramento. One-story 5-room dwlg.
Owner—W. G. Marshall, 1241 32nd St., Sacramento.
Architect—None.
Contractor—Carl Koch, 3418 L St., Sacramento. $2700

DWELLING
NO. 2049 THIRTY-FIFTH ST., Sacramento. One-story 5-room dwlg.
Owner—John Albrecht, Roseville.
Architect—None.
Contractor—C. F. Smith, 2065 44th St., Sacramento. $3800

DWELLING
NO. 933 THIRTY-THIRD ST., Sacramento. One-story 5-room dwelling
Owner—G. E. Burton, 2918 K St., Sacramento
Architect—None
Owner—J. Edenhoter, 3300 2nd Ave., Sacramento $2350

DWELLING
NO. 832 FIFTY-SECOND ST., Sacramento. One-story 3-room dwlg.
Owner—E. A. Shiek, 905 52nd St., Sacramento
Architect—None
Day's work $1000

DWELLING
NO. 901 THIRTY-NINTH ST., Sacramento. One and one-half-story 4-room dwelling.
Owner—Albert H. Kodin, 1615 8th St., Sacramento.
Architect—None.
Day's work. $3000

DWELLING
NO. 1532 FORTY-EIGHTH ST., Sacramento. One-story 5-room dwlg.
Owner—C. P. Malcolm, 1521 48th St., Sacramento.
Architect—None.
Day's work. $2000

DWELLING
NO. 5362 J ST., Sacramento. One-story 4-room dwelling.
Owner—Joe Gabrellis, 920 42d St., Sacramento.
Architect—None.
Contractor—J. A. Saunders, 2810 I St., Sacramento. $2850

FLATS
NO. 705-7 NINTH, Sacramento. Two flat building.
Owner—Fred Ankener, 126 Caperton Ave., Piedmont.
Architect—None.
Contractor—Herndon & Finnegan, 1814 17th St., Sacramento. $9000.

FLAT BUILDING
LOT 3 E ½ J. 28th and 29th Sts., Sacramento. Two-story frame flat building (3 4-room and 1 5-room flats).
Owners — Thos. N. and Peachie A. Chamberlain.
Architect—None.
Contractor—Jas. T. Randall, Jr., 1055 41st St., Sacramento. $12,255
Filed Mar. 14, '22. Dated Mar. 2, '22

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Feb. 9, 1922—LOT 1898 W & K Tract 24, Sacramento. Marian McClatchy Jack to whom it may concern.....Mar. 7, 1922
Mar. 5, 1922—S ½ LOT 4 T. U. 26th and 27th Sts., Sacramento. Julia Marino to Meyer & Newman.....Mar. 1, 1922

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

$2,500 and Over Reported

FLATS
N CENTER, Stockton. Flats.
Owners—J. H. Coley and Francis Gardner, Bank of Italy Bldg., Stockton.
Architect—None.
Day's work. $15,000

STATION
E-MINER ST., Stockton. Service station.
Owner—Union Oil Co., 526 W-Weber St Stockton.
Architect—None.
Day's work $3000

RESIDENCE
E-LINDEN ST., Stockton Residence
Owner—H B. Raggio, Stockton.
Architect—None.
Day's work $3000

RESIDENCE
W-VINE ST., Stockton, Residence.
Owner—W. T O'Brien, 28 S-California St., Stockton.
Architect—None
Day's work. $3200

RESIDENCE
E-LINDSAY ST., Stockton Residence.
Owner—Mr and Mrs. E M. Barth.
Architect—None
Day's work. $2500

BUILDING
LOT 3 BLK 5, Sperry's Addition, Stockton. Building.
Owner—J. P. Morrell, 537 McCloud St., Stockton.
Architect—None.
Contractor—John Ratto, 318 W-Washington St., Stockton. $5500
Filed Mar. 14, '22. Dated Mar. 13, '22. Limit, 3 months.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
Mar 9, 1922—ESCALON UNION HIGH School District, Stockton. Board of Trustees of the Escalon Union High School District (for general contract work) to whom it may concern.....Mar. 4, 1922
Mar 9, 1922—ESCALON UNION HIGH School District, Stockton. Board of Trustees of the Escalon Union High School District to Stockton Plumbing Co.....Mar. 4, 1922

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
Mar. 10, 1922—PTNS OF SEC. 34 of T. 1, S, R. 4 E, containing 251,184 Acres. Good Lumber Co, a cptn vs W G Lang, Nellie Lang, Bank of Italy, a cptn, A F Nunes and Will Cohrs $199.76
Mar. 8, 1922—N 90 FT LOT 9 BLK 76, E of Center St., Stockton. Volland Ice & Fuel Co vs G R Gould and wife and Mary Olive Johns and husband $557.90

BUILDING CONTRACTS

SAN MATEO COUNTY

TOMB
ITALIAN CEMETERY. All work for Sacophagus Tomb (6 nitches).
Owner—Mrs. C. Cerruti.
Architect—Paul F. De Martini, 946 Broadway, San Francisco.
Contractor—R. Bona & V. Toutana.
Filed Mar. 10, '22. Dated Mar. 4, '22.
Concrete finished .....$ 575
Completed and accepted..... 1700
Usual 35 days..... 500
March 1, 1923..... 300
TOTAL COST, $3075
Bond, none. Limit, 100 working days. Forfeit, none. Plans and specifications filed.

BUNGALOW
LOT 30 BLK 8, Burlingame Grove, Burlingame. All work for one-story bungalow and garage.
Owner— Sterling Anderson, 424 Stanyan St., San Francisco.
Architect—None.
Contractor—J. E. Bale, San Mateo.
Filed Mar. 10, '22. Dated Feb. 27, '22.
Frame up $968
Roofed and plastered..... 968
Completed 968
Usual 35 days..... 971
TOTAL COST. $3875
Bond, none. Limit, on or before Apr. 27, 1922. Forfeit, none. Plans only filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Mar. 14, 1922—LOT 7-B BLK 1, Town of Burlingame No. 1. Michael M Zoble to S A Born Bldg Co.....March 14, 1922
Mar. 14, 1922—S P CROSSING County Highway, Beresford. Southern Pacific Co to Malott & Peterson.....Mar. 6, 1922
Mar. 10, 1922—CALIFORNIA SANAtorium, 1¾ miles W frm Belmont, California Sanatorium to L Dioguardi.....Feb. 7, 1922
Mar. 11, 1922—LOT 10 BLK 9, Burlingame Terrace, Burlingame. Chas L Bell to whom it may concern.....March 10, 1922

BUILDING CONTRACTS

CONTRA COSTA COUNTY

DWELLING
FIFTH ST., bet. Nevin and Barrett Sts., Richmond. One-story frame dwlg.
Owner—J. I. Esola, 436 5th St., Richmond.
Architect—None.
Contractor — N. E. Anderson, 2030 Roosevelt Ave., Richmond. $3500

ALTERATIONS
TENTH ST., bet. Macdonald and Bissell, Richmond. Remodel two-story frame dwelling.
Owner—Florence Hudson, 136 Fourth St., Richmond.
Architect—None.
Contractor — Carl Overaa, 2105 Roosevelt Ave., Richmond. $2150

DWELLING
BARRETT AND DIMM, Richmond. One-story frame dwelling.
Owner—Contra Costa Home Builders, 914 Macdonald Ave., Richmond.
Architect—None.
Contractor—F. A. McCausland, 23rd and Emeric, San Pablo. $4400

BUILDING CONTRACTS

FRESNO COUNTY

$5,000 and Over Reported

APARTMENTS
NO. 711-717 FRANKLIN ST., Fresno. Two apartment houses.
Owner—J. A. Manning, 924½ J St., Fresno.
Architect—None.
Day's work. $10,000 each

APARTMENTS
NO. 727 FRANKLIN ST., Fresno. Apartment house.
Owner — J. A. Manning, 924½ J St., Fresno.
Architect—None.
Day's work. $12,000

APARTMENTS
NO. 1567 N-VAN NESS AVE., Fresno. Apartment house.
Owner—Nels N. Nelson, 848 Roosevelt St., Fresno.
Architect—None.
Day's work. $36,000

DWELLING
NO. 729 McKINLEY AVE., Fresno Dwelling.
Owner—L. J. Trambley, Fresno.
Architect—None.
Contractor—Shorb & Neads, 627 McKinley Ave., Fresno. $8000

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DWELLINGS
NO. 1835 and 1827 SARAH ST. and No. 1911 S-Van Ness Ave., Fresno. Three dwellings.
Owner—W. J. Moore, Fresno.
Architect—None.
Contractor—Roy Martin, Olive and Nursery Sts., Fresno.
(2) $3500 each and (1) $5000

DWELLING
NO. 3128 VENTURA AVE., Fresno. Dwelling.
Owner—C. J. Arshanjian, Fresno.
Architect—None.
Contractor—Carl Kazanjian, Fresno. $6000

DWELLINGS
NO. 1638 AND 1646 DEL MAR ST., Fresno. Two dwellings.
Owner—G E. Veal, Fresno.
Architect—None.
Contractor—S. W. Ottinger, Fresno. $4000 each

OFFICE BUILDING
NO. 802 VAN NESS AVE., Fresno. Office building.
Architect—None.
Contractor—Jas. A. McCullough, Fresno $35,000

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Mar. 14, 1922—LOTS 9 AND 10 BLK 34, Arlington Heights, Fresno. W A Purkett to whom it may concern.....Feb. 23, 1922
Mar. 14, 1922—LOTS 15 AND 16 BLK 20, North Park Terrace, Fresno. Berton & Wolff to whom it may concern.....Feb. 20, 1922
Mar. 15, 1922—LOTS 25 AND 26 BLK 33, Arlington Heights Tct, Fresno. E T McCaslin to whom it may concern.....Mar. 14, 1922
Mar. 15, 1922—E 50 FT. OF W 100 FT. Lot 3 Blk 6, Hazelwood, Fresno. N E Wilkinson to whom it may concern.....Mar. 14, 1922
Mar. 10, 1922—LOT 1 BLK 6, Cedar Park, Fresno. Clifford Bridges to whom it may concern...Mar. 9, 1922
Mar. 11, 1922—WONDER BLDG., Fresno. Annie L Wallace to whom it may concern.....Mar. 6, 1922
Mar. 11, 1922—LOTS 26 AND 27 BLK 6, Van Ness Heights, Fresno. D M Benton to whom it may concern.....March 14, 1922
Mar. 11, 1922—W 22 FT. LOT 15, E 28 ft. Lot 14 Blk 2, Meadow Brook Tract, Fresno. L A Watson to whom it may concern..Mar. 10, 1922
Mar. 9, 1922—LOTS 23 AND 24 BLK 16, K B Heights, Fresno. M Papagni to whom it may concern.....Mar. 8, 1922
Mar. 9, 1922—FRANKWOOD GRAMmar School Dist., Fresno. Frankwood Grammar School District to whom it may concern..Feb. 18, 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount
Mar. 9, 1922—N 498.3 FT. LOT 33, Easterly Rancho, Fresno. Routt Lumber Co vs J C Doze.....$331

Notice of Non-Responsibility

FRESNO COUNTY

Mar. 15, 1922—LOTS 29 AND 30 NW 11½ Lot 28 Blk 84, Fresno. Alexander Goldstein Co and Adolph Kutner Co as to improvements on property .....

BUILDING CONTRACTS

SANTA CLARA COUNTY.

$1,000 and Over Reported

SCHOOL
CAMPBELL. Window shades for school.
Owner—Board of Trustees Campbell-San Tomas Union Grammar School District, Campbell.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Contractor—Robinson & Sons Co., 227 S-First St., San Jose.
Filed Mar. 6, '22. Dated Feb. 23, '22.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $1426
Bond, $1426. Surety, Hartford Indemnity & Accident Co. Limit, 120 working days from Feb. 23, 1922. Forfeit, $10. Plans and specifications filed.

ELECTRIC WORK ON ABOVE.
Contractor—Century Electric Co., 18 E-San Antonio St., San Jose.
Filed Mar. 6, '22. Dated Feb. 23, '22.
Payments same as above.....
TOTAL COST, $3300
Bond, $3300. Surety, Hartford Accident & Indemnity Co. Limit, 100 working days from Feb 23, 1922. Forfeit, $10. Plans and specifications filed.

RESIDENCE
BUSH AND SEQUOIA STS., Hanchett Tract, San Jose. All work for two story frame residence and garage
Owner—Stanley Hiller, 35 S-17th St., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—C. F. Keesling, 348 Coe Ave., San Jose.
Filed Mar. 6, '22. Dated Mar. 4, '22.
Frame up $3062.50
1st coat plaster on..... 3062.50
Completed and accepted..... 3062.50
Usual 35 days..... 3062.50
TOTAL COST, $12,250.00
Bond, $6125. Sureties, H. G. Keesling and Edwin E. Keesling. Limit, 120 working days from March 4, 1922. Forfeit, none. Plans and specifications filed.

HOSPITAL, ETC.
E-SANTA CLARA ST., San Jose. All work for five-story hospital and boiler house.
Owner—San Jose Hospital, San Jose.
Architect—Binder & Curtis, 255½ S-First St., San Jose.
Contractor—E. E. Etherton Co., Monadnock Bldg., San Francisco.
Filed Mar. —, '22. Dated Mar. 10, '22.
100% as work progresses, but never over $139,780
Usual 35 days..... 12,500
TOTAL COST, $152,280
Bond, none. Limit, 500 working days from March 11, 1922. Forfeit, $50. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Recorded Accepted
Mar. 14, 1922—SAN JOSE. George W and Verna M Dobson to whom it may concern. Mar 13, 1922
Mar. 14, 1922—SAN JOSE. Lillie A Woodruff to A M Whiteside. ....March 9, 1922
Mar. 9, 1922—SAN JOSE. Charles L Bean to William M Myer Mar. 8, 1922
Mar. 9, 1922—TWELFTH AND VIRginia Sts., San Jose. Blanche Couhape Turonnet to William H O'Neil .....Mar. 6, 1922
Mar. 9, 1922—TWELFTH AND VIRginia Sts., San Jose. Marie Couhape to William H O'Neil .. Mar 6, 1922
Mar. 2, 1922—HANCHETT RESIdence Park, San Jose. Olive L Spring to whom it may concern... .....March 2, 1922
Mar. 4, 1922—STUDIO HEIGHTS, San Jose. R D Shimer to S Hawley... .....March 3, 1922
Mar. 6, 1922—MARGUERITE TRACT No. 2, San Jose. George Ickler to EE Weldon.....Mar. 3, 1922
Mar. 6, 1922—SAN JOSE. A M Whiteside to whom it may concern..... .....March 4, 1922
Mar. 7, 1922—TWELFTH AND VIRginia Sts., San Jose. William H O'Neil to whom it may concern... .....March 6, 1922
Mar. 7, 1922—SAN JOSE. William H O'Neil to whom it may concern... .....March 6, 1922
Mar. 8, 1922—LOT 13 Costella Acres, Los Altos. F J Juday, as Agent for Owner, to U S C Stevens..... .....Feb. 20, 1922
Mar. 8, 1922—LOTS 24 AND 25 BLK 3, Sunnyvale Tract, Sunnyvale. T Lambert and A E Bessey to Wm M Myer.....Mar. 1, 1922
Mar. 8, 1922—W CAPITOL AVE near San Jose. John Battaglia to whom it may concern.....Mar. 6, 1922
Mar. 8, 1922—HANCHETT RESIdence Park, San Jose. Adolph G Goldstein to whom it may concern.....Mar. 8, 1922

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
Mar. 13, 1922—SAN JOSE. O P Mills vs Alma Michner $267.80
Mar. 9, 1922—LOT 13 BLK 4, Rose Lawn, San Jose. Henry Cowell Lime & Cement Co vs Jos Triana and E G Finley.....$9.00
Mar. 10, 1922—LOT 28 of Cristina Sbdvn No. 1, San Jose. Henry Cowell Lime & Cement Co vs E G Finley, Salvadore P Cristina and Tony R Cristina.....$76.48
Mar. 8, 1922—LOT 13 BLK 4 of Rose Lawn, San Jose. Southern Lumber Co vs Joseph Traina and E G Finlay $372.21
Mar. 7, 1922—LOT 13 BLK 4, Rose Lawn Tract, San Jose. Sunset Lumber Co vs Joseph Traina..$34.15
Mar. 8, 1922—LOT 13 BLK 4, Rose Lawn Tract, San Jose. L P Judkins vs E G Finlay and Joseph Traina $8
Mar. 8, 1922—LOT 13 BLK 4, San Jose. A W Wheaton vs E G Finlay and Joseph Traina $43.50

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STATE HIGHWAY COMMISSION AUTHORIZES IMPROVEMENTS

At a recent meeting in Sacramento the California Highway Commission authorized several sections of widening with concrete and conrete or asphaltic surfacing, in various parts of the system.

In Glenn County three and a half miles from the southerly boundary to Logandale will be given a bituminized macadam five inches thick, 20 feet wide.

In Placer County, five miles between Roseville and Lincoln will be given two and a half foot shoulders seven inches thick, surfaced with three inches of asphalt.

In Solano County, three miles between Fairfield and Vacaville, will be given concrete shoulders and asphaltic surfacing.

In Sonoma County, three miles north, and one and a quarter miles south, from the city limits of Petaluma, a total distance of four and a half miles will be widened with concrete to twenty feet and surfaced with asphalt.

In Santa Clara County, four and a half miles from Carnadeno Creek to the south county boundary, will be given concrete shoulders and asphaltic surface.

In San Luis Obispo County a rock and gravel surface will be placed on a three mile section of the Cuyama lateral to Bakersfield, extending from near Santa Maria to the Cuyama River.

In Merced County, three small sections, aggregating about five miles will be widened and surfaced, two sections to be surfaced with asphalt and one with concrete. In addition to this work, the highway through the towns of Atwater and Livingston will be widened and surfaced and the curves widened near the towns.

In Madera County, a section one mile long south of the city Madera will be widened with concrete and surfaced with asphalt.

In Tulare County, it is proposed to widen and surface the State highway through the town of Tipton.

In Kern County, a ten mile section south of Bakersfield on Union Avenue will be widened with two and a half foot concrete shoulders and three inch asphaltic surfacing.

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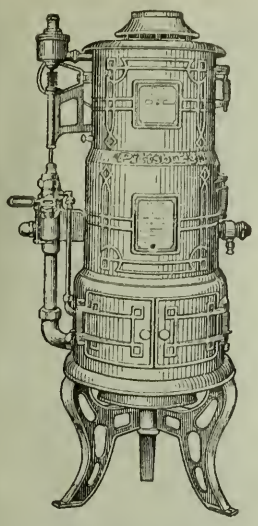

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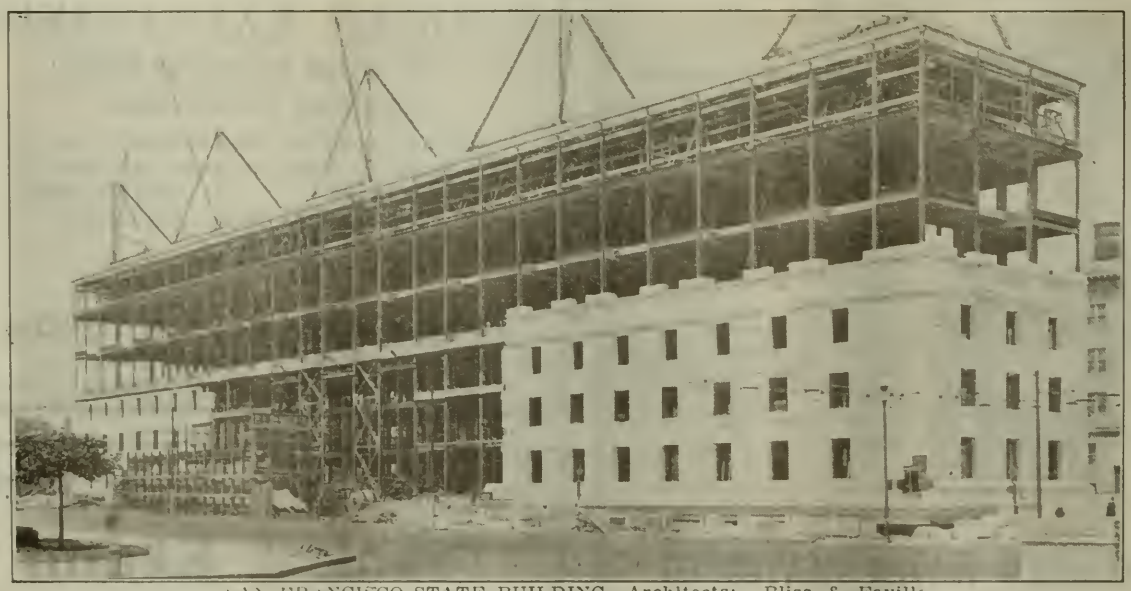

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Building & Engineering News

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Publication Office
560 Mission Street

SAN FRANCISCO, CALIF., MARCH 25, 1922

Published Every Saturday
Twenty-second Year No. 12

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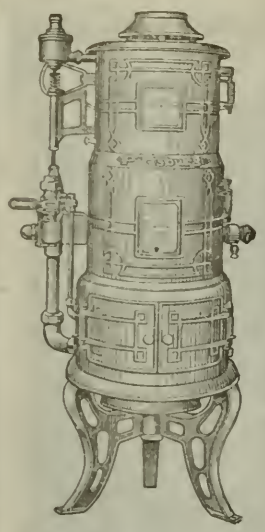

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday — SAN FRANCISCO, CALIF., MARCH 25, 1922 — Twenty-second Year No. 12

Building & Engineering News

No. 560 Mission Street,
San Francisco, Calif.

MRS. L. A. LARSEN, Publisher

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Official Paper of Vallejo Builders' Exchange

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SAN FRANCISCO BUILDERS' EXCHANGE ELECTS OFFICERS

On Monday, March 20, members of the San Francisco Builders' Exchange elected a board of eleven directors to serve for the ensuing year.

Wm. H. George, D. J. Sullivan, Alex Mennie, J. D. McGilvray, Jos. B. Keenan, George T. Bowen, Chas. E. Gompertz, C. C. Berg, R. J. H. Forbes, Tom Campbell, J. A. Hart.

At a meeting yesterday the Board of Directors elected the following officers to serve for the next Exchange year:

Wm. H. George, President; D. J. Sullivan, 1st Vice-President; Jos. B Keenan, 2nd Vice-President; Geo. T. Bowen, 3rd Vice-President; R. J. H. Forbes, Secretary; Alex Mennie, Treasurer.

The usual business was transacted and the meeting adjourned to meet again, Wednesday, March 29th, at 11 A. M.

TRACY CITY ENGINEER SUES FOR $8,000 DAMAGES

Alleging damages of $8,000, W. B. Larkin, fromer city engineer of Tracy, has entered suit in the Superior court against the trustees of the city of Tracy. The bill of complaint sets forth that on March 10, 1921, the trustees passed resolutions asking Larkin to make recommandations for pavement and construction of gutters, curbs and electroliers on certain streets, he to perform all engineering and inspection in connection with the work. The resolutions further stated that Larkin was to receive 6 per cent of the contract price for his services, the job being estimated at $200,000. Larkin submitted his recommendations on the same day, and his report was adopted. On March 17 the trustees rescinded the above resolutions, which action Larkin alleges discharged him from his duties without a hearing and without reasonable notice.

SANTA CLARA WINS DECISION AGAINST CEMENT COMPANY

Santa Clara County is victor in a law suit involving about $21,000 brought against the county, the Garden City, et. al., by the Santa Cruz Portland Cement Co. for payment for cement alleged to have been furnished in the construction of county highway on Fremont Ave., near Los Altos, in a decision handed down today by Judge Welch. The decision handed down by the judge not only exempts the county treasury from the burden of the $21,000 sued for, but also gives the county and Garden City bank judgment for costs of suit.

The conclusion and order of the court is stated in the following terms:

(1) That neither the plaintiff nor the cross-complainant, E. B. & A. L. Stone Co., has an equitable lien or any lien at all against the funds in the control and possession of the county of Santa Clara.

(2) That said plaintiff and said E. B. & A. L. Stone Co. take nothing against said county of Santa Clara and its defendant officers, nor against the defendant Garden City Bank & Trust Co.

(3) That the plaintiff and said cross-complainant, E. B. and A. L. Stone Co. have judgment against defendant Bernard Ransome for the respective pleadings, and for costs of suit.

(4) That said county of Santa Clara and the Garden City Bank & Trust Co. have judgment for their costs.

CONSTRUCTION IN FRESNO DISTRICT REVIVING

More than seventeen hundred mechanics are engaged in building construction in the Fresno District, according to Walter Adkins, secretary of the Fresno Building Trades Council. "Conditions look promising," Adkins says. "We believe and hope the slump is over and that we are turning the corner to prosperity. With business good, with seven millions of raisin money to be distributed shortly, Fresno should again step out and take its rightful place as the busiest and most prosperous city in the country, a position accorded us not so many months ago by Roger Babson, the economist and business analyist.

"We have been very fortunate in Fresno, however, for approximately 75 per cent of our resident membership went through the winter with comparatively little loss of work, except that enforced by weather conditions.

"Three months ago 25 per cent of our membership was estimated to be working on part time; a month ago this had dropped to 10 per cent, and today, I am happy to state, there are virtually none without steady employment."

BAKERSFIELD BUILDERS' EXCHANGE DEFIES UNION BOYCOTT

The Bakersfield Builders' Exchange has sent notice to the Kern County Building Trades Council, in a communication which the exchange said was to be considered "official" that if the boycott alleged to be in effect against members of the exchange by building tradesmen "is not lifted by March 25, the contractors belonging to the exchange would put into operation the American Plan in the building industry of Bakersfield."

Copies of the notice were given to the press. The action of the Builders' Exchange was taken at a meeting Saturday, it was announced.

The attitude of the Trades Council toward the "notice" was not announced.

The exchange said that if the alleged boycott is not lifted, it would consider the working agreement between building contractors and workers here, "abrogated and broken."

LUMBERMEN LOOK FOR BIG BUILDING SEASON

Turning their backs upon 1921 described as the worst year in the history of the lumber business, lumbermen of three California associations meeting in Modesto, set their faces towards the spring of 1922 and declared they "intended to make it the best season ever experienced." Roger Babson was quoted as declaring that it is possible to "make more money this year than ever before." The lumbermen listened to a detailed proposal of better methods outlined by A. L. Porter, secretary of the Western Retail Lumbermen's Association.

The guests were welcomed by C. R. Tillson, president of the Modesto Lumber company, who spoke of the confidence business men in general have in the future of California. He said that while in New York he spent an afternoon at the Polo grounds with a group of New York millionaires whose wealth totaled several millions, and who gravely talked of business while he would rather have cheered Babe Ruth. "They declared," said Tillson, "that with the United States in a bad way, California stood out as the best state in the Union as far as business conditions were concerned. One of them, dwelling upon the wonders of California declared it was remarkable because golf could be played the year round."

The gathering was at a luncheon at the Modesto hotel.

LUMBERMEN ISSUE STATEMENT ON NINE HOUR DAY CHANGE

General economic conditions, competition with cheap Southern labor and lower prices of other woods as compared with Western white pine, were given by the local lumber manufacturers as their reasons for instituting the nine-hour day in a lengthy joint statement made public recently.

When the longer day went into effect on March 1st, employes struck and the mills have been idle since, despite the efforts of Federal mediators who have been here the past week. The lumbermen assert that the present issue is not one of wages or hours, but a question of meeting present conditions. They declare it will be impossible to operate the plants without "adjustments" with employes.

While hope has been expressed in many quarters that an understanding would be reached between operators and employes, it is generally conceded that the statement shows the situation to be unchanged.

The Observer

All signs point to 1922 as a big year for home builders, according to the Department of Commerce. The Department's Division of Building and Housing has studied reports of contracts awarded, analyzed figures on building permits and consulted with builders and real estate men from scores of cities, and concludes that before the year is out the United States will have begun to reduce its housing shortage of about one million homes.

Some very simple figures tell the story. In 27 northeastern states, in which over two-thirds of our people live, the F. W. Dodge Co. reports that contracts for 75 million dollars worth of residential construction were awarded in February. The figure was the same for January, while December showed a total of 101 million dollars. These figures compare with a monthly average for the year 1919 of 71 million dollars and for 1921 of 73 million dollars. The showing is very remarkable, as normally December, January and February are the three lowest months of the year, and it is especially encouraging since the late summer and fall months showed an unusually large number of building projects started, to be carried along during the Winter season. Everything points, therefore, to an active spring building season.

The situation varies greatly between different cities, of course, a few even having a surplus of homes, but a number of places apparently will build to the limit of their capacity. In view of general business conditions it does not seem likely that there will be any great general increase in building material prices or building trade wages. In fact, the steady activity during the fall and winter months indicate that the demand for new construction is of a steady, healthy nature, that would probably slacken in case of any marked advance.

Movement in the building industry during the next few months are expected to be rather steady.

Measured in floor space, the average contracts awarded during the past three months stand well above the 1921 average and very close to the high year of 1919. With such a start the year 1922 could easily rank ahead of any year since the beginning of the War.

Residential buildings have accounted for 47 per cent, or nearly half of all new construction during the past three months, whereas during the years 1919 to 1921, residential construction was only 31 per cent, or less than one-third of the total. Homebuilders are having first call on the resources of the construction industry.

John Perrin, Chairman of the Board of Federal Reserve Agent, Twelfth Federal Reserve District, sums up business conditions as follows:

Productive activity in this district was well sustained during the short month of February. In the lumber industry, production, shipments, and orders received were greater than in January, 1922, or February, 1921. The mills operated at approximately 85 per cent of normal capacity compared with 50 per cent a year ago. The resumption of inquiries for lumber from the agricultural states of the middle west was a particularly hopeful sign, especially for the inland mills which have not shared in the thriving water trade with the Atlantic Coast and Japan. Figures now available on January sales of electric power provide further evidence of increased industrial activity. Total industrial sales were 8 per cent greater in the Pacific Northwest and slightly greater in California than in January, 1921, the latter increase occuring despite a marked reduction in consumption for agricultural purposes. Similar improvement in the intermountain states is not yet discernible. Increased productive activity and the resumption of seasonal outdoor work in some sections have combined to relieve the unemployment situation and more men were employed in February than in January. The peak of unemployment appears to have been passed. Building continues more active than a year ago. The number of permits issued in 20 principal cities in February, 1922, exceeded the number issued in February, 1921, by 14.0 per cent and the value of the 1922 permits exceeded the value of the 1921 permits by 60.5 per cent.

An ordinance seeking to compel all firms and corporations to furnish comfort station facilities for their employes have been tabled by the City Council of Oakland. It was decided to have the building department urge the construction of comfort stations when issuing building permits. The ordinance applied principally to gasoline service stations and similar places of business.

With sixty active members now in the organization further plans for increasing the membership to include all master craftsmen in Reno and Sparks have been perfected by the Reno, Nevada, Builders' Exchange. Of the ninety men in Reno and Sparks eligible for membership in the organization it is expected that eighty will join. Only a few have expressed opposition to the forming of the building exchange.

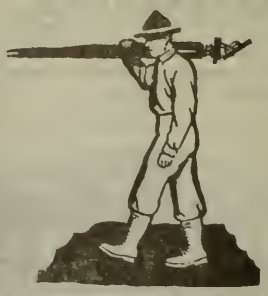
The U. S. Forest Services at Alturas, Calif., announces the bid of the California Cedar Products Co., of Stockton, has been accepted by the district forester at San Francisco, for 50,000 cords of Juniper pencil wood, 8,000 cords fuel and 300,000 posts. The company will establish a plant at Alturas for the manufacture of pencil slats.

Articles of incorporation have been filed at Martinez by the Aero Paint Equipment Co., with principal place of business as Richmond. The company is organized for the purpose of importing and exporting products utilized in painting, varnishing and lacquering by means of compressed air. The company is capitalized at $20,000 with $5100 in stock subscribed. The directors are C. B. Kennoy, of Oakland, and Mark Edmund Smith, Charles S. Renwick, T. H. DeLap and F. A. Tittemore of Richmond.

Application for a franchise to construct a subway more than a mile in length has been filed with the Los Angeles city council by the Pacific Electric Railway. The subway will run from the Hill street station, northwest to the junction of Sunset and Glendale Boulevards and will cost in excess of $1,850,000.

San Francisco Plastering and Lathing Co., which proposes to engage in the business of contracting, plastering, molding, modeling and lathing, has been granted permission by the State Corporation Department to sell 1,250 shares of its capital stock to "certain persons."

ALONG THE LINE



Philip Argall, mining engineer and international authority on metallurgy, died at Denver, Colo., March 19th. Argall was 68 years old and was the founder of the Argall basic treatment for ores and was widely known in mining circles in this country and in Europe as an expert on cyanidation.

Fresno Home Builders elect O. L. Everts, director and president; Earle Hughes, director and vice-president T. M. Howard, director and secretary; H. I. Maxine, D. S. Ewing, Max Shafforth, directors; J. E. Hughes, director and manager. Offices are maintained at 1231 Broadway, Fresno.

The following directors have been elected by the Sacramento Builders' Exchange, to serve for the ensuing year: A. W. Norris, Frank Dixon, Carl Vining, W. J. Clifford, L. H. Chapman, O. R. Earle, W. B. Scollan, Oscar Miller, Ira C. Boss, J. R. Wilson and G. A. Bertolucci.

E. A. Allen, assistant manager of the Oswego plant of the Diamond Match Co., has been named manager of the Barker plant of the company in Chico. He succeeds Jas. A. Powers, who recently was transferred to the Springfield, Ill., plant of the concern as manager.

A cut of 35c an hour in the wages of carpenters, effective April 1st, is announced by the Master Builders' Association of St. Louis. Carpenters, who received $1.25 an hour, will be paid 95 cent. About 3200 men are effected.

Truckee Hotel and Amusement Co., has been organized for the purpose of erecting a $100,000 hotel in Truckee. Directors of the company are: F. A. Ashton, Jack Filipcic, F. C. Jackson, Margaret Ashton and Anton Filipcic.

Reno, Nevada, City Council awards contract to Clark & Henery Construction Co., of Stockton, Calif., to pave streets on bid of $125,991. Paving of forty-two additional blocks of streets is now proposed.

S. H. Newton, has been elected president of the Reno, Nevada, Builders' Exchange. Wm. Ward was elected vice-president, A. B. Flickenger, secretary and H. R. Martin, treasurer.

The Stirling Lumber Co., has purchased the F. M. Clough Lumber Co., in Chico. The sale involves 100,000 board feet of Oregon pine.

Yuba County Chamber of Commerce urges election to vote bonds of $800,000 to finance construction of a system of good roads.

City trustees of Merced adopt specifications to pave thirty-four blocks of streets at a cost of $118,200.

California Raisin Association plans erection of packing plant in Yuba City.

Skill: The Justification of the Contractor*

By CHARLES J. HILL
Associate Editor, Engineering News-Record, New York

Skill in construction is the justification for contracting. Contractors must possess other qualifications for their business success, but they do not serve industry in any particularly essential way by these qualities except when they exercise them in conjunction with skill in constructing. This fact warrants repetition. The building public does not employ contractors primarily for their integrity and responsibility, but for their skill as constructors. By the same token it appraises the proficiency of contractors by the skill which they demonstrate in construction. It follows that contracting should fortify in all ways its reputation for skill.

Engineers Critical of Contractors

There is a growing impression among engineers that contracting is not doing all that it might to advance its skill in constructing. This opinion is particularly prevalent among the public roads officials. Highway engineers feel that contracting is not helping as it should to develop the technique of highway construction. They are occasionally voicing this feeling in public speech. With a program of road construction ahead which for several years will engage the service of more contractors and involve a greater expenditure than any other public work, contractors, they say, are not arriving at any common understanding of preferred practices. It can be replied that highway engineers do not bring this criticism with clean hands, that they themselves have no standards, and the retort would be justified, but recrimination does not meet the situation. Contracting should clean its own house if housecleaning is necessary, however disorderly the premises of engineering may be.

Uniform Methods and Equipment Desired

Road construction is much the same task everywhere. A concrete road on the prairies of Illinois and one among the hills of Pennsylvania do not require essentially different construction methods. The different local conditions require certain operations to be altered but the general process is always the same. A reasonable degree of uniformity in construction methods and equipment would seem to be natural. It does not exist. Some approximation to standard practice would appear economical. It does not exist.

On one concrete road operation there is a central mixing plant and wet concrete is hauled to the grade. On another operation there is a central proportioning plant and dry batches are hauled to a paving mixer on the grade, and on a third operation the mixer on the grade is being charged by hand from roadside stockpiles. Here the hauling is done by industrial railway and there by motor trucks. Light trucks are used in one place and heavy trucks in another, 16-lb. rails in one place and 25-lb. rails in another and sometimes a 3-ton and sometimes a 6-ton locomotive. Mixers vary in size from 14 cu. ft. to 25 cu. ft. Finishing machines are used on one operation and hand tools on another. The variations are endless.

Construction Lacks Co-ordination

Obviously all the methods cannot be equally efficient under all conditions. Some one must be better for most conditions than any other or, if this is not so, certain ones must be better for some conditions and others for different conditions. What are the facts? Perhaps some of you may have determined some of them for individual use, but contracting as a unit does not know and is making no concerted effort to find out. It is not co-ordinating, correlating and standardizing the methods and equipment for road construction into definitive practice. The highway engineer points to this fact as proving his contention that contracting is falling down in its task of improving the technique of construction.

It will be said that methods of constructing cannot be standardized because conditions vary so greatly. This is true. One cannot lay down a formula for equipping a concrete road job but it can be stated under what conditions central mixing plants will be economical, or central proportioning plants or tractor grading. When are heavy trucks preferable to light trucks for batch haulage? What are the trainload and grade limitations of say, 3-ton and 6-ton locomotives? The possible subjects of inquiry are numerous. Categorical answers are not possible; absolute precision is impossible but limits can be named. Each contractor is doing this for himself. Contracting can do it for all.

Technique Will Establish Prestige

Why should contracting formulate the technique of road construction? First, it will help to establish and keep in the minds of engineers the supremacy of the contractor as a skilled constructor; second, it will help to eliminate the untrained contractor, and third, it will discourage force account construction.

Contracting is handicapped by the untrained contractor. The man who comes into the business without knowledge of the cost of profitable construction and of how to construct economically furnishes each year the crop of low bids and financial failures which jeopardize the contracting business. The education of all contractors in approved methods of doing work and the costs of construction is the best insurance contracting can take out against insane bidding and scamped construction.

Engineers Want Contractors If Competent

Few engineers would undertake force account construction if they did not feel that they could thus get better construction than by contracting, or if they did not want information concerning methods and machines and costs which contracting is not prepared to furnish. If contracting formulates the technique of construction, engineers can ask no questions which cannot be frankly answered, and instead of thinking they must eliminate the contractor to secure superior work, will know that they must have the contractor if they want superior work done. No argument which can stand will remain to the advocates of force account work.

Argument might be continued and illustrations multiplied why contracting should perfect and establish the technique of construction. It is more important to inquire how the task may be accomplished. The Association of contractors is the answer. It can, by the same methods that it has followed in handling questions affecting the business of contracting, handle questions of the technique of construction. Should it not take on the work at this convention and carry it well forward this year?

*Address before the Highway Division, Annual Meeting, A. G. C., Cleveland, Ohio, January 18, 1922.

AMERICANS NOT A HOME-OWNING PEOPLE.

At the present time even our admirers would hardly call us a home-loving nation. We do a lot of gadding about. Family life, once a major factor in our existence, is now rather at a discount. Many family groups in our day frankly concede that the various members bore each other. And millions of people nowadays bore themselves. An evening out is far better than an evening spent in reading a book.

Since we are not home-loving, above everything else, it follows naturally enough that we are not a home-owning clan. Fifty-four per cent of our families live in rented homes. That would indicate that it was either cheaper to rent than it is to buy, or that our economic situation is such that our people cannot own homes.

However, the rent-payer gets less space for his money that does the homeowner. Millions of them are satisfied with less space. Millions of renters would not take a little space with a garden and a yard on a bet. Gardens bore them, yards tire them and fixed habitation irritates and chafes.

The other side of the picture is the fact that the man who acquires a home is a man who establishes himself. He gets his feet on the ground. He sets his hand to a task and sees that task through. We would be a stronger, better people if 90 per cent of our families owned their homes.

POLES AND PILING FREIGHT RATES CUT BY S. P. CO.

A substantial reduction in freight rates on poles and piling, made in conjunction with the Oregon, Washington Railroad and Navigation Company, from Portland, Seattle, and points in Western Washington and Oregon, to San Francisco, Oakland, Stockton, Sacramento, Weed and all points in Northern California is announced by the Southern Pacific Company.

The present 44c per 100 lb. rate from Portland and western Oregon points will be reduced to 37c per 100 lbs., and the present 51c per 100 lbs. rate from Seattle and western Washington points will be reduced to 44c per 100 lbs.

This change in rates os offered as an emergency measure and, by authority of the Interstate Commerce Commission, will go into effect ten days after filing instead of the customary thirty days.

The prompt action of the Southern Pacific Company in reducing rates on poles and piling has made it possible for R. B. Swayne of Oakland to establish at Redding a creosoting plant for treating in transit poles being shipped by rail from Oregon and Washington to California points.

Building News Section

APARTMENT HOUSES

Contract Awarded.
APARTMENTS Cost, $5,550
SANTA CLARA, Santa Clara Co., Cal.
One-story frame (2) apartments.
Owner—Ball.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.

Plans Being Prepared.
APARTMENTS Cost, $20,000
SAN JOSE, Santa Clara Co., Cal. 2nd and Julian Sts.
Two-story frame and plaster apartment house (10 apartments).
Owner—Mrs. Murphy.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.

Plans Being Figured—Bids Close Mar. 22, 1922.
APARTMENTS Cost, $20,000
SAN JOSE, Santa Clara Co., Cal. 10th and Santa Clara.
Two-story frame and plaster store and apartments (4 stores and 5 apts.)
Owner—Desando.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.

Segregated Figures Being Taken.
APARTMENTS Cost, $45,000
SAN FRANCISCO. W Hyde S Geary.
Four-story and basement reinforced concrete apartments (12 2 and 3-room apartments).
Owner—A. Stocks.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $22,000
SAN JOSE, Santa Clara Co., Cal. First and Hawthorne Streets.
Two-story frame apartments (7 apts.)
Owner—Mrs. McIlenry.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.

Plans Being Prepared—Figures to be Taken in Two Weeks.
APARTMENTS Cost, $25,000
SAN FRANCISCO. Twentieth Avenue N Geary Street.
Two-story frame apartment house (4 3-room apts. and 2-story residence)
Owner—Virginia Wilbur.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

To be Done by Day's Work.
APARTMENTS Cost, $35,000
SAN FRANCISCO. NE California St and Seventeenth Avenue.
Two-story and basement frame (8) apartments.
Owner — W. A. Savage, 81 7th Ave., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Figures to be Taken in a Few Days.
APARTMENT HOUSE Cost, $16,000
SAN FRANCISCO. Golden Gate Ave. near Scott.
Three-story frame apartment house (6 3-room apartments).
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.
Figures will be taken for a general contract.

Figures to be Taken in a Week.
APARTMENTS Cost, $——
SAN FRANCISCO N Green E Webster Streets.
Two-story and basement frame and plaster apartment house (4 3 and 4 room apts.)
Owner—Mr. Duffield.
Architect—E. Hildebrand, 110 Sutter St., San Francisco.
Figures will be taken for a general contract.

Figures to be Taken in a Week.
STORE AND APARTMENT BUILDING Cost, $20,000.
PASO ROBLES, San Luis Obispo Co., Cal.
Two-story brick store and apartment house building (3 stores and 6 3-room apartments).
Owner—Clark Smith, Paso Robles.
Architect—Miller & Warnecke, Perry Bldg., Oakland.
NOTE—Figures will be taken for a general contract from Paso Robles contractors.

Low Bidder.
APARTMENTS Cost, $20,000
SAN FRANCISCO. W Twenty-first Avenue between California and Clement Streets.
Three-story frame and plaster apartment house (6 3-room apts.)
Owner—W. Rieck.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Low Bidders—Meyer Bros., 5326 Geary St., San Francisco.

To be Done by Day's Work.
APARTMENTS Cost, $80,000
AVALON, Catalina Island.
Two-story steel and reinforced concrete apartment and store building, 60x135 (2 stores and 14 apts.)
Owner—S. A. W. Carver, 211 Mt. Washington Drive, Los Angeles.
Architect—None.

Contract Awarded.
APARTMENTS Cost, $35,000
OAKLAND. N Lake 140 E Jackson.
Three-story frame 35-room apartment house.
Owners—E. C. and Hattie Aldrich, 160 Lake St., Oakland.
Architect—None.
Contractor — M. Felix Sommarstrom, 2215 Park Blvd., Oakland.

Contract Awarded.
APARTMENTS Cost, $50,000
OAKLAND. E Madison 230 S Lake.
Three-story 54-room apartment house.
Owners—L. E. Katz and M. H. Davis, 1534 Franklin St., Oakland.
Architect—None.
Contractor—California Bul'ders' Co., 1534 Franklin St., Oakland.

Contracts Awarded.
APARTMENTS Cost, $25,000
SAN FRANCISCO. W Hyde 137-6 N Ellis.
Three-story and basement reinforced concrete apartment house.
Owner—E. V. Lacey, 180 Jessie St., San Francisco.
Architect—J. C. Hladik, Monadnock Bldg., San Francisco.
Grading, Cement Work and Concrete Work awarded to L. Vannucci, 16th and Church St., at $2,631.
Carpenter Work to Jas. Steur, 1409 Geary St., at $4,500.

Contract Awarded.
APARTMENTS Cost, $11,500
SAN FRANCISCO. W Clayton 85-5 S Parnassus Ave.
Two-story and basement frame (4) apartments.
Owners—W. H. Yates and E. A. Cooke, 124A Parnassus Ave.
Architect—None.
Contractor—W. H. Yates, 124A Parnassus Ave., San Francisco.

Owner to Take Sub-figures.
APARTMENTS Cost, $30,000
SAN FRANCISCO. S Pine 185 W Leavenworth.
Three-story and basement frame (20) apartments.
Owner—L. J. Neal, 364 Page St., San Francisco.
Architect—E. H. Denke, 1317 Hyde St., San Francisco.

Plans Complete.
APARTMENTS Cost, $11,900
SAN FRANCISCO W Buchanan 113-6 N Herman.
Two-story and basement frame (4) apartments.
Owners—Edw. W. and Eugene R. Greninger, 992 Valencia St., San Francisco.
Architect—Frederick G. Munk, Jr., 58 Francis St., San Francisco.

To be Done by Day's Work.
APARTMENTS Cost, $18,500 each
OAKLAND. W Madison 40 and 80 S Lake.
Two 3-story frame 24-room apartment houses.
Owner—E. B. Leonard, 589 Kenmore Ave., Oakland.
Architect—None.

Plans Completed.
APARTMENTS Cost, $35,000
SAN FRANCISCO. E Larkin 68-9 S Washington.
Three-story and basement frame (12) apartments.
Owner—J. J. McCook.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.

Figures Being Taken for Rough Carpenter and Concrete Work
APARTMENTS Cost, $75,000
SAN FRANCISCO. NE Sutter and Taylor Streets.
Six-story Class C apartment house (25 2 and 3-room apartments).
Owner—Geo. P. Smith.
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.

Contracts Awarded.
APARTMENTS Cost, $30,000
SAN FRANCISCO. Brosnan Street.
Three-story frame apartment house (12 3-room apts.)
Owner—Mr. H. Faber.
Architect—Frederick W. Quandt, Monadnock Bldg., San Francisco.
General Work, Lathing and Plastering awarded to Peter S. Walter, 1229 Webster St., at $19,313.
Plumbing to Western Plumbing Supply Co., 1325 Mission St., at $3,075.
Electric Work to H. F. Haverkamp, 1148 Market St., at $1,750.
Painting to H. Maundrell, 180 Jessie St., $1,535.

Working Drawings Being Prepared.
APARTMENTS Cost, $——
SAN FRANCISCO. E Dolores bet. 14th and 15th Sts.
Three-story and basement frame apartment house (8 3-room apts. and basement garage).
Owner—Dr. C. Harrington Schultz.
Architect—A. J. Harstman, Anglo Bldg., 16th and Mission Sts., San Francisco.
Plans will be ready for figures in about three weeks.

Contract Awarded.
APARTMENTS Cost, $20,000
BURLINGAME, San Mateo Co., Cal.
Two-story frame and plaster (4 5-rm.) apartments and garage. Brick paved entrance patio.
Owner—Mrs. J. P. Dwan, Burlingame.
Architect—Ernest Hildebrand, 110 Sutter St., San Francisco.
Contractor — T. J. Frederick, 1528 Cypress St., Burlingame.

Plans Being Prepared.
APARTMENTS Cost, $100,000
OAKLAND, Alameda Co., Cal.
Four-story and basement brick apartment house (35 2 and 3-room apts.)
Owner—Withheld.
Architect—J. C. Thayer, 110 Sutter St., San Francisco.
Figures will be called for in about three weeks.

Plans Completed.
ALTERATIONS Cost, $12,000
SAN FRANCISCO. No. 1317 Divisadero Street.
Alterations and additions for six apartments.
Owner—Nate Levy.
Architect—M. A. Sheldon, 110 Sutter St., San Francisco.

Completing Plans—Sub-Figures to be Taken Shortly.
APARTMENTS Cost, $45,000 to $50,000 each.
SAN FRANCISCO. S Pine between Powell and Mason Streets.
Two three-story frame and plaster apartment houses.
Owner—Joseph Bell, 180 Jessie St., San Francisco.
Contractor—E. H. Denke, 1317 Hyde St., San Francisco.

BANKS

Commissioned to Prepare Plans.
BANK & OFFICE BLDG. Cost, $——
VISALIA, Tulare Co., Cal.
Five-story and basement reinforced concrete bank and office building.
Owner—Bank of Italy.
Architect—R. L. Felchlin, Bank of Italy Bldg., Fresno.

Plans Being Figured.
BANK BUILDING Cost, $40,000
SUNNYVALE, Santa Clara Co., Cal.
One-story brick or reinforced concrete bank building.
Owner—Bank of Italy (See Mr. Cuneo of the Bank, San Francisco).
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.
Figures are to be taken for a general contract.

Commissioned to Prepare Plans.
BANK BLDG. Cost, $——
LOS ANGELES, Cal. SE Seventh and Spring Streets.
Twelve-story Class A bank and office building, 58x135.
Owner—W. W. Paden and C. H. Price, Story Bldg., Los Angeles.
Lessee of 1st Story—Fidelity Savings & Loan Society.
Architect—Aleck E. Curlett, 538 Merchants National Bank Bldg., Los Angeles.
Consulting Architects—Morgan, Walls & Morgan, Van Nuys Bldg., L. A.

BONDS

FRESNO, Fresno Co., Cal.—Until Mar. 24, bids will be received by supervisors for purchase of $60,000 bond issue of Caruthers School District; proceeds of sale to finance construction of new school.

MONMOUTH, Fresno Co., Cal.—Bonds of $50,000 voted in Monmouth School District to finance construction of new school.

FAIRFIELD, Solano Co., Co.—Trustees will call election to vote bonds of $10,000 to finance paving of Union ave., with a 25-ft. strip of concrete to the town limits of Suisun.

SARATOGA, Santa Clara Co., Cal.—Mar. 31 is date set to vote bonds of $55,000 to purchase a site, erect and equip new school.

ORLAND, Glenn Co., Cal.—Bonds of $30,000 voted in Orland Union High School District to finance school addition costing $50,000. Trustees of district have $20,000 on hand to be added to the sum voted. W. H. Weeks, 369 Pine St., San Francisco, is the architect.

EASTON, Fresno Co., Cal.—Another election will be held in Washington Union High School District to vote bonds of $200,000 to finance construction of a new high school. Election held some few months ago defeated by small majority. Swartz & Ryland, Rowell Bldg., Fresno, are the architects.

PORTERVILLE, Tulare Co., Cal.—Bonds of $80,000 voted to purchase the old high school and remodel same for elementary school.

ANTIOCH, Contra Costa Co., Cal.—Town Trustees contemplate calling election to vote bonds of $100,000 to finance construction of complete new water system. E. P. Easley, town engineer.

AUBURN, Placer Co., Cal. May 13 is the date set to vote bonds of $100,000 to purchase grounds, erect new schools and remodel present structures.

PASADENA, Cal.—Bond issues of $920,500 for parks, $117,000 for fire alarm system and $175,000 for watershed fire protection will be submitted. It is also proposed to bond for $412,000 for sewage treatment and disposal works.

PHOENIX, Ariz.—Until 3 P. M., Apr. 14, bids will be received by directors of Auxiliary Eastern Canal Irrigation District, 419 Fleming Block, Phoenix, for purchase of $2,000,000 bonds, $100 each, maturing in 20 and 30 years. Frank H Parker, secretary.

SAN MATEO, San Mateo Co., Cal.—Trustees will call election in April to bond for $100,000 to finance street paving and the construction of 2 concrete bridges over San Mateo creek.

PALO ALTO Santa Clara Co., Cal.—Bonds of $20,00 voted to finance construction of addition to city hall.

LEMOORE, Kings Co., Cal.—Bond of $65,000 voted to construct 4-room addition to Bush street school.

SACRAMENTO, Cal.—Bonds of $40,000 voted in Rio Linda School District to finance construction of 3 classroom and auditorium hollow tile addition, and remodeling present school. Plans are being prepared by Architects Geo. C. Sellon & Co., Mitau Bldg., Sacramento.

MARYSVILLE, Yuba Co., Cal.—Yuba County Chamber of Commerce launches campaign to call election to vote bonds of $800,000 to build system of highways.

CHURCHES

Plans Being Prepared.
CHURCH, ETC. Cost, $170,000
OAKLAND. Lakeshore and Prospect Ave.
Parochial school, church and residence (construction not decided).
Owner—Church of Our Lady of Lourdes (Father Keveny, pastor).
Architect—Geo. E. M. McCreay, 369 Pine St., Oakland.
The first unit will be started shortly

TO be Done by Day's Work.
CHURCH Cost, $50,000
GARDEN GROVE, Orange Co., Cal.
Two-story frame and plaster church, 83x134.
Owner—Methodist Episcopal Church.
Architect—Arthur G. Lindley, Wright and Callender Bldg., Los Angeles.

Contract Awarded.
CHURCH Cost, $8,533
HAYWARD, Alameda Co., Cal.
One-story frame church.
Owner—First Methodist Church of Hayward; Rev. H. J. Winsor, pastor.
Architect—W. J. Wythe, Central Bank Bldg., Oakland.
Contractor—Sorenson Bros., Hayward.
Other bids received was follows:
— Stalbe, Oakland $11,500
Thos. Cuthbertson, S. F..... 9,180

Preliminary Plans Prepared.
CHURCH Cost, $30,000.
SAN FRANCISCO. Waller Street. Alteration and addition to frame church.
Owner—Hamilton Square Methodist Church.
Architect—Miss Julia Morgan, Merchants Exchange Building, San Francisco.

SAN FRANCISCO—The Fifth Church of Christ Scientist, 166 Geary St., has purchased a lot on O'Farrell street, between Taylor and Jones streets and will erect a church to cost about $200,000. When it will be built has not been decided. No architect has been selected as yet.

FACTORIES & WAREHOUSES

Contract Awarded.
DEPOT Cost, $20,000
OAKLAND, Alameda Co., Cal. NE 15th and Castro Streets.
One-story reinforced concrete depot building.
Owner—United Parcel Service, 583 4th St., Oakland.
Architect—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
Contractor—Lawton & Vezey, Call Bldg., San Francisco.

Plans Being Prepared.
WAREHOUSE Cost, $13,000
SAN JOSE, Santa Clara Co., Cal. Race Street.
One-story frame warehouse for dehydrating plant.
Owner—United States Products Cptn., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
The dehydrating building is now under construction and will cost $7,850. E. Anderson of Mt. View is the contractor.

Plans Being Prepared.
PACKING PLANT Cost, $125,000
COLUSA, Colusa Co., Cal. Cooper's Second Extension.
One and one-half-story steel frame, reinforced concrete or hollow tile packing plant.
Owner—California Prune & Apricot Growers.
Architect—Engineering Dept. of Owner, San Jose.
Plans will not be completed for at least 60 days.

To be done by Day's Work.
FACTORY Cost, $10,000
OAKLAND. SW 67th St. and San Pablo Ave.
One-story factory and store; 1-story warehouse and concrete vault.
Owner—Chas. J. Braun, 6551 San Pablo Ave., Oakland.
Architect—Arthur Howard Peterson, 1st National Bank Bldg., Oakland.

Contract Awarded.
ADDITION Cost, $25,000
SAN FRANCISCO. NW Sutter and Kearny Sts.
Addition of 3-story steel frame for lofts.
Owner—Century Realty Co.
Architect—G. A. Lansburgh, 709 Mission St., San Francisco.
Contractor—Chas. W. Heyer, Jr., Mills Bldg., San Francisco.

Plans Completed.
WAREHOUSE Cost, $19,000
FRESNO, Fresno Co., Cal. S. P. Railroad reservation between H and Broadway.
Warehouse.
Owner—R. J. Woodward, Bank of Italy Bldg., Fresno.

Plans Being Figured.
WHOLESALE BLDG. Cost, $——
SAN FRANCISCO. SE Fremont and Mission Streets.
Eight-setory Class A wholesale building.
Owner—Walton N. Moore & Co., (Dry Goods Dealers).
Architect—George Wm. Kelham, Sharon Bldg., San Francisco.
Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.
Figures are being taken from a selected list of contractors only.
Preliminary Sketches Being Prepared

Working Drawings Being Prepared. Ready for Figures in Ten Days.
FACTORY Cost, $20,000
SAN FRANCISCO. NW Twentieth St. and Potrero Avenue.
Two-story frame and concrete factory building.
Owner—Gragnano Products Co., Inc.
Architect—A. J. Horstman, Anglo Bldg 16th and Mission Sts., S. F.

Brick Contract Awarded—Figures Being Taken For Electrical Work.
FACTORY BLDG. Cost, $50,000
SAN FRANCISCO Mission and 13th Streets.
Two-story steel and brick factory building.

Owner—Pacific Embroidery Co
Architect—Albert Burgren, 110 Sutter St., San Francisco.
Brick Work awarded to Nels Anderson, 180 Jessie St., at approximately $9,900.
The concrete work is being done by H. L. Petersen and the reinforcing steel to Truscon Steel Co.

RICHMOND, Contra Costa Co., Cal.—Until April 3, 8 P. M., bids will be received by A. C. Faris, city clerk, for roofing covering on Municipal wharf shed. **See call for bids under official proposal column in this issue.**

SAN FRANCISCO—Mr. Edward H. Hurley of the Hurley Manufacturing Company of Chicago, is in San Francisco looking for a site to erect a large factory for the manufacturing of electrical supplies. They plan to erect a factory on this coast to cost approximately $1,000,000. Mr. Hurley is at the Palace Hotel.

CALIFORNIA — Sun Maid Raisin Association, appropriate $528,056 to erect new plants at Dinuba and Yuba city. Additions will also be made to the following plants: Clovis, Sun Maid, Oleander, Selma, Kingsburg, Reedley, Parlier, Yettem, Sanger, Caruthers, Manmouth, Forsey, Del Rey, Armona, Fowler, Lone Star, Hanford, Biola, Madera, Cutler, Rayo, Burness and Wasco.

FRESNO, Fresno Co., Cal.—Prescott Brick & Lumber Co., Rowell Bldg., Fresno, will erect a brick and concret. warehouse on South P street adjacent to the S. P. and Santa Fe tracks. Several buildings will be erected ranging in size from 7,500 sq. ft. to 20,000 sq. ft. floor space.

PORTLAND, Ore. — Commission of Public Docks completes specifications for new dock site of old Williamette Iron Works adjoining Terminal No. 1; will be 500 ft. long, 220 ft. wide; shed 500 ft. long and 179 ft. wide. Estimated cost, $100,000.

LOS ANGELES, Cal. — California Dressed Beef Co., 3820 Santa Fe Ave., Los Angeles, has commenced excavating and will erect a new packing plant building for itself. The basement will be constructed at once. The type of construction for the superstructure has not been determined but will probably be of reinforced concrete and hollow tile. The building will be two story and three-story, 272x185 feet.

FIREHOUSES AND JAILS

OAKLAND, Cal—Until Mar. 30, 12 M., bids will be received by Eugene K. Sturgiso, city clerk, for converting hayloft of Engine House 4, at East 14th and 13th Ave.; plans may be had from office of clerk.

GOVERNMENT WORK AND SUPPLIES

SAN FRANCISCO—Until March 29, 10 A. M., under Circular 22-52 bids will be received by Quartermaster Supply Officer, Fort Mason, for furnishing and delivering paint, shellac, powdered borax, car seat back bumpers and turpentine.

SAN FRANCISCO.—Until March 29, 10 A. M., under Circular 22-58 bids will be received by Quartermaster Supply Officer, Fort Mason, for furnishing and delivering paint, tools boxes, machinists' hand taps, lathe tool holders, linseed oil, batteries, turpentine, etc.

WASHINGTON, D. C.—Following bids received by Bureau of Yards and Docks, Navy Department to extend shell house at naval ammunition depot, Puget Sound, Wash., under Specification No. 4564: Miller Bros., Bremerton, Wash., $18,721; 90 days. Charles H. Schaar, 721 21st Ave. Seattle, Wash., $21,635 100 days. Parker & Wood, Bremerton, Wash., $17,750; 90 days. W. I. Butler, 527 Central Building, Seattle, Wash., $22,950; 120 days. C. A. Martin, 205 Seaboard Building, Seattle, Wash., $18,000; 120 days.

BUREAU OF YARDS AND DOCKS, Navy Department, Washington—Bids are wanted until April 5, specification 4596, for kitchen and diet kitchen equipment, naval hospital, San Diego. Address above.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for furnishing and delivering materials to Navy Yards, date for opening bids as noted at end of each paragraph:

Schedule 9513, for Mare Island, 1,000 fire extinguishers; April 4.

Sched. 9514, for Mare Island, 70 insulators; April 4.

Sched. 9515, for Mare Island, 14 automatic starters, 120 volt; April 11.

Sched. 9516, for Puget Sound, Wash., 6,000 gallons raw linseed oil; April 11.

Sched. 9517, for Mare Island, 3,000 lbs. soft sheet commercial brass; April 11.

Sched. 9518, for Mare Island, 1,800 gallons Damar varnish in 50-gallon drums; April 11.

Sched. 9526, for the navy yard, Mare Island, 360 pounds steel rivets; April 11.

SAN FRANCISCO—Until April 3, 10 a. m. bids will be received by Quartermaster Supply Officer, Fort Mason, under Circular 22-53 for fur. and del. 3 gals. black stencil paint; packing boxes; 1800 round head rivets; 700 expansion bolts; etc.

SAN FRANCISCO—Lange & Bergstrom, Sharon Bldg., San Francisco, are taking sub-figures for their bid on the construction of nineteen reinforced concrete hospital buildings for the Veterans Hospital at Palo Alto, Santa Clara County.

SAN FRANCISCO—Until April 5, 10 A. M., bids will be received by Quartermaster Supply Officer, Fort Mason, under Circular 22-55, for furnishing and delivering 2000 lag screws, ¾x4-in., galvanized; 2000 red cedar telegraph poles, 6-in. top, 20-ft. long; 10 5-ton truck wheels.

WASHINGTON, D. C.—The following bids were received at the bureau of yards and docks, Navy Department, Washington, on Mar. 15, specification 4586, for steam supply system at the naval base, San Diego, Calif.:

Item (1) entire work complete; (2) deduct for omitting work covered by parts C and D of the specifications; (3) work complete covered by parts C and D, (4) deduct from items (1) or (3) for omission of concrete trench and pipe lines to officers' quarters; this includes work from main concrete trench at manhole No. 23 to and including manhole No. 53; (5) deduct from items (1) or (3) for omission of concrete trench manholes and pipe lines from south wall of manhole No. 28 to and including manhole No. 44; (6) deduct from item (1) if 2 250-horsepower boilers are furnished and delivered near the power plant by the government to the contractor, contractor to move and erect them; (7) deduct from items (1) or (3) if 2 vacuum pumps and 2 return pumps are furnished and delivered by the government to the contractor, who will install them.

Shevlin Engineering Co., 110 W 34th St., New York City, (1) $302,131, 150 days (2) $147,750; (3) $184,933, 150 days, (4) $23,000; (5) $44,388; (6) $14,210; (7) $1,657.

Allen Pope, 4722 15th St., N. W., Washington, D. C., (1) $187,370, specification; (2) $100,570; (3) $100,570; (4) $14,800; (5) $26,670; (6) $13,500; (7) $2,500.

G. E. Engineering Co., 449 W 42nd St., New York City, (1) $168,300, 150 days, (2) $86,100, 30 days; (3) $97,750, 120 days; (4) $12,100, 10 days; (5) $21,000 10 days; (6) $10,900; (7) $1,600.

John W. Danforth & Co., 70 Ellicott St., Buffalo, N. Y., (1) $187,867, 180 days (2) $101,133; (3) $101,133; (4) $13,312, (5) $31,393, (6) $11,750; (7) $1,700.

Lange & Bergstrom, 819 Timken Bldg, San Diego, Calif., (1) $260,000, specification; (2) $133,000; (3) $143,000; (4) $17,000; (5) $37,000; (6) $12,000; (7) $2,000. Telegraphic modification, item (1) deduct $30,000; (2) deduct $21,000; (3) deduct $13,000; (4) deduct $2,000; (5) deduct $2,000; (6) add $2,000; (7) no change.

Thomas Haverly Co., 316 E 8th St., Los Angeles, Calif., (1) $250,000, 150 days; (2) $126,000, 150 days; (3) $126,000, 90 days; (4) $25,000; (5) $45,000; (6) $12,000; (7) $2,000. Telegraphic modification, item (1) deduct $30,100; (2) and (3) deduct $6,000; (4) deduct $7,000; (5) deduct $2,000.

Miller & Eddleman, 401 Bancroft Bldg., San Diego, Calif., (1) $255,000, specification; (2) $135,247; (3) $145,000; 150 days; (4) $20,000; (5) $38,000; (6) $14,854; (7) $1,975. Telegraphic modification, item (1) deduct $49,723; (2) deduct $39,310; (3) deduct $40,000; (4) deduct $7,691; (5) deduct $9,184.

John R. Proctor, Inc., 120 Liberty St., New York City, (1) $195,102, 360 days; (2) $69,999, 20 days; (3) $71,999, 190 days; (4) $9,500, 28 days; (5) $17,359, 56 days; (6) $13,100, 2 days; (7) $1,626, 14 days.

Wright & Doyan, 345 Spreckels Bldg., San Diego, Calif., (1) $245,000; (2) $110,000; (3) $130,000; (4) $20,000; (5) $34,000; (6) $16,000; (7) $2,100; time, (1) 175 days; (2) 25 days; (3) 100 days; (5) 25 days. Telegraphic modification, item (1) deduct $41,000; (2) deduct $11,000; (3) deduct $12,000; (4) deduct $4,000; (5) deduct $500; (6) deduct $700; (8) deduct $100.

WASHINGTON, D. C.—Following is a list of prospective bidders for general construction of U. S. Health Service hospital at Palo Alto, Calif., bids for which will be opened April 10th:

G. E. Engineering Co., Inc., 449 W 42nd St., New York City.

Campbell Building Co. of Utah, Salt Lake City, Utah.

J. H. Wiese, 1425 W. O. W. Bldg., Omaha, Nebr.

Geo. A. Whitmeyer & Sons, rear 2759 Grant Ave., Odgen, Utah.

Algernon Blair, Montgomery, Ala.

M. Seretto, 3 Tremont Row, Boston.

C. L. Wold Co., 185 Stevenson St., San Francisco.

Robt. Trast, 26th and Howard Sts., San Francisco.

M. I. O'Connor, Northampton, Mass.

King Lumber Co., Charlottesville, Va.

Amster Construction Co., Inc., 705 E 133rd St., New York City.

Prospective bidders for mechanical equipment on the same structure follow:

S. W. Rittenhouse, 1327 Taylor St., N W., Washington.

Campbell & Steedman, 2440 16th St., San Francisco.

Scott Co., 243 Minna St., San Francisco.

W. C. Merritt Co., 733 7th St., San Diego, Calif.

Union Electric Co., 625 Poydras St., New Orleans, La.

Chas. E Monday, 1318 Olive St., Philadelphia.

O. W. Lindberg, South River, N. J.

Lawson & Drucker, 450 Hayes St., San Francisco.

Fredk. W. Snook, 519 Clay St., San Francisco.

M. Seretto, 3 Fremont Row, Boston.

John R. Proctor, Inc., 120 Liberty St., New York City.

D. C. Barnett, Ft. Bayard, N. Mex.

Noland-Clifford Co., 322 28th St., Newport News, Va.

Henry Hackneg, 54 W 5th St., Charlotte, N. C.

Federal Heating Co., 310 13th St., N W., Washington.

G. F. Engineering Co., 449 W 42nd St., New York City.

S. Faith & Co., 2427 Pennsylvania Ave., Philadelphia

Contract Awarded
BARRACKS Cost, $487,000
SAN DIEGO, Cal. Naval Training Station.
Six barracks buildings, entrance gates, etc. Specification No. 4568
Owner—U. S. Government
Plans by owner

Contractor — Lange & Bergstrom, Sharon Bldg., San Francisco, and Timken Bldg., San Diego.

FLATS

Plans Being Figured.
FRAME FLATS Cost, $14,000
SAN FRANCISCO. Funston Avenue N Geary Street.
Two-story and basement frame and plaster flats (1 6-room and 1 7-room).
Owner—Chas. Schmitz.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Contract Awarded
FLATS Cost, $27,000
SAN FRANCISCO. N Geary St. 30 W Twenty-second Avenue.
Three-story frame (4) flats.
Owner—A. Figone, 827 Filbert St., San Francisco.
Architect—None.
Contractor—Del Favera & Rasori, 180 Jessie St., San Frencisco.

Contract Awarded.
FRAME FLATS Cost, $11,750
SAN FRANCISCO. W Dolores 52 N Twenty-second Street.
Two-story & basement frame (2) flats.
Owner—A. L. Arata, 821 Capp St., San Francisco.
Architect—None.
Contractor—Costello Bros., 18 Ney St., San Francisco.

Contract Awarded.
FLATS Cost, $18,000
SAN FRANCISCO. W 21st Ave. 155 and 180 S Cabrillo.
Two 2-story frame flats.
Owner—J. O. England, 2344 Anza St., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.

GARAGES

Plans Being Figured—Bids Close Mar. 20, 1922.
GARAGE Cost, $35,000
SAN JOSE, Santa Clara Co., Cal. River and Santa Clara Streets.
Two-story brick commercial garage.
Owner—Norman Kooser.
Lessee—Hayes & Canelo.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Plans Being Prepared.
GARAGE $25,000
SAN JOSE, Santa Clara Co., Cal. Second St., bet. Santa Clara and St. John.
Two-story reinforced concrete garage.
Owner—Robert Syer, Bank of San Jose Bldg., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.

Contract Awarded.
GARAGE Cost, $11,000
SAN JOSE, Santa Clara Co., Cal. Santa Clara and Autumn Sts.
Commercial garage building.
Owner—Fisher & Albertson.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—John Gales.

Contract Awarded.
GARAGE Cost, $26,000
SAN FRANCISCO. N O'Farrell 158 W Hyde.
Two-story reinforced concrete garage and repair shop.
Owner—Tom Lavell.
Architect and Engineer—J. H. Hjul, 850 Monadnock Bldg., San Francisco.

HALLS AND SOCIETY BUILDINGS

Plans Being Figured—Bids Open April 1, 1922.
ADDITION & ALTER Cost, $——
DECOTO, Alameda Co., Cal.
New brick building and alter present building of Home.
Owner—Masonic Home of California.
Architects—Wm. Mooser and Edw. G. Bolles, associated, Nevada Bank Bldg., San Francisco.
Proposals are being received for work as follows:
1. Excavating and concrete works.
2. Brick and terra cotta.
3. Steel work.
4. Carpenter, millwork, sheet metal, roofing, etc.
5. Glass.
6. Lath, plaster, cementing and cast stone work.
7. Marble and tile works, Vitrolite, etc.
8. Elevators.
9. Plumbing.
10. Heating.
11. Electric.
12. Painting.

Low Bidder.
PAVILION Cost, $20,000
SAN FRANCISCO. Sloat Boulevard.
Two-story frame cafe and dancing pavilion.
Owner—Prince Imperial Inn.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.
Low Bidder for general contract—Wm. Martin, 180 Jessie St., S. F.
Figures will be taken shortly for plumbing, electrical work and painting.

HOME BUILDING Cost, $125,000
SAN FRANCISCO, Laguna & Page sts.
Three and 5-story reinforced concrete brick Girls Home Building.
Owner—Emanu-El Sisterhood.
Architect—Miss Julia Morgan, Merchants Exchange Building, San Francisco.

COMMUNITY SERVICE BLDG.
Cost, $ ——.
BERKELEY, Alameda Co., Cal. Kittredge St. 200 W Shattuck Ave.
Two-story Class C building (Red Cross Offices, and auditorium for American Legion).
Owner—Berkeley Chapter of the Red Cross.
Architect—Harris Allen, Albany Bldg., Oakland.

Plans Approved.
LODGE HALL Cost, $85,000
VISALIA, Tulare Co., Cal. South Court and Acequia Streets.
Three-story fireproof lodge hall and stores, 80x119.
Owner—Masonic Temple Assn., Visalia.
Architects—Coates & Traver, Rowell Bldg., Fresno.

MARTINEZ, Contra Costa Co., Cal.—Young Men's and Young Ladies' Institute and parishioners of St. Catherine's church contemplate erection of $10,000 lodge hall.

CHICO, Butte Co., Cal.—Woodmen of the World Building Corporation organized at Chico with capital stock of $100,000. Purpose of organization is to erect four story store and lodge building at Third and Normal Ave. Directors are: Richard White, C. W. Hicks, Frank L. Roohr, H. A. Drane and J. G. Messinger. These five men, with the addition of L. Z. Mitchell and R. F. Roycroft, were designated as the incorporators.

HOSPITALS

Plans Being Figured—Bids Close April 17, 1922.
HOSPITAL Cost, $——
REDWOOD CITY, San Mateo Co., Cal.
Steam heating, ventilating, steam boiler and refrigeration plant for county hospital.
Owner—County of San Mateo (Elizabeth M. Nash, county clerk).
Architect—W. H. Toepke, 942 Market St., San Francisco.

Preliminary Plans Being Prepared.
NURSES' HOME Cost, $——
LOS ANGELES Cal. Sixth and Lucas Streets.
Five-story and basement Class A reinforced concrete Nurses' Home building, 35x140 (1st unit of larger building).
Owner—Good Samaritan Hospital.
Architects — Johnson, Kauffman & Coate, 607 Union Bank Bldg., Los Angeles.

OAKLAND, Cal. — The Alameda County Board of Supervisors received the following bids on March 20th for house-moving, underpinning, concrete foundations, etc., and concrete oil tank for the Alameda County Hospital.
Bids were taken under advisement until March 23rd.

H. E. McCauley	$16,485
M. E. Hopper & Son	16,489
F. W. Maurice	16,500
W. T. Thornalley	16,890
E. T. Leiter & Son	19,867

HOTELS

Plans Being Prepared.
ALTERATIONS Cost, $4,500
SAN FRANCISCO. Market St.
Interior decorating of hotel lobby.
Owner—Jas. D. Phelan.
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.

Plans Being Prepared.
DEPOT AND HOTEL Cost, $——
CALIENTE, Nevada.
Two-story frame and plaster railway depot and hotel building 200x60 (tile and composition roof).
Owner—Union Pacific Railway Co., 610 S Main St., Los Angeles.
Architects—John Parkinson and Donald B. Parkinson, 420 Title Insurance Bldg., Los Angeles.
Figures are being taken by the Engineering Department of the owner.

TRUCKEE, Nevada Co., Cal. — Truckee Hotel and Amusement Co. has been organized for the purpose of erecting a $100,000 hotel in Truckee. Directors are: F. A. Ashton, Jack Filipcic, F. C. Jackson, Margaret Ashton and Anton Filipcic.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—Architects George W. Eldredge and Thomas Jewell, 226 Pacific Finance Bldg., Los Angeles, are preparing preliminary plans for a group of four reinforced concrete and brick hotel buildings to cost $500,000, in San Luis Obispo for the Tripoli Hotel Co., W. J. Conner, Agent. The group will consist of a two-story bath house building, 165x67 ft., with covered pool, 50x100 ft., beauty parlors, baths, etc.; main building, 4-story, 87x135 ft., 6 stores on first floor, guest rooms above; dining room building, 4-story, 51x102 ft., and 4-story lobby parlor building, 75x18 ft. The buildings will contain 175 guest rooms, with tile baths. Brick and reinforced concrete construction, tile roof, oak floors, tile baths, two electric elevators, electric heating system.

ALAMEDA, Cal.—The Alameda Chamber of Commerce is endeavoring to obtain a million-dollar hotel for Alameda. C. C. Wilson, secretary, has been surveying sites and declared recently that he has several possible investors interested in the proposition.

PUBLIC BUILDINGS

Plans Being Figured—Bids Close April 18, 1922, 8 P. M.
CITY HALL BUILDING Cost, $80,000
PITTSBURG, Contra Costa Co., Cal.
Two-story reinforced concrete city hall and firehouse.
Owner—City of Pittsburg.
Architect—Benj. G. McDougall, 381 Bush St., San Francisco.
Figures are being taken for a general contract. Plans may be obtained from the Architects' office or from the City Clerk at Pittsburg.

General Contract Awarded—Other Contracts to be Awarded Shortly.
AQUARIUM Cost, $250,000
SAN FRANCISCO. Golden Gate Park.
Reinforced concrete and stone aquarium.
Owner—California Academy of Sciences Gift of Ignatz Steinhart.
Architect — Louis P. Hobart, Crocker Bldg., San Francisco.
Excavating, Concrete, Carpenter, Structural Tile, Sheet Metal and Roofing. Ornamental Tile an Marble awarded to Clinton Constr. Co., 140 Townsend St., $84,933.

Low bidders on the balance of the work are as follows:
Plumbing, Heating and Refrigeration, Frederick Snook, 596 Clay St., $35,-805.
Electrical Work, Standard Elec. Constr. Co., 80 Natoma St., $3850.
Glazing, W. P. Fuller Co., Beale and Mission Sts., $9346
Plastering, Peter Bradley, $17,600.
Tile, Mangrun & Otter, 827 Mission St., $7229.
Painting, Gurnette & Chandler, $6000, J. H. Keele Co., $6000.
Ornamental Iron, C. J. Hillard Co., 19th and Minnesota Sts., $3986.
Awnings, W. Plummer Co., $650.

FRESNO, Fresno Co., Cal.—County Purchasing Agent Reed Scheffer, authorized by supervisors to purchase 57 metal voting booths. D. M. Barnwell, county clerk.

MARTINEZ, Contra Costa Co., Cal.—Supervisors vote to levy tax of .002 to finance construction of memorial buildings throughout the county; the funds to be divided equally among the eight American Legion Posts.

BERKELEY, Cal.—The Comptroller of the University of California received the following bids on March 22nd for the construction of a two-story reinforced concrete building on the University Grounds to be known as "Le Conte Hall."

Plans were prepared by Architect John Galen Howard, First National Bank Bldg., San Francisco.

I. M. Sommer Co., Balboa Bldg., San Francisco	$421,448
P. F. Riley, San Francisco	431,860
Louis J. Cohn, San Francisco	433,799
K. E. Parker Co., S. F.	435,000
Hannah Bros., San Francisco	435,200
Clinton Constr. Co., S. F.	437,000
Jas. L McLaughlin, S. F.	437,398
Barrett & Hilp, S. F.	441,107
Robert Trost, S. F.	443,000
R. McLeran Co., S. F.	448,500
R. W. Littlefield, Oakland	468,495

RESIDENCES

Contract Awarded.
RESIDENCE Cost, $10,000
SAN FRANCISCO. Ashbury Terrace.
Two-story and basement frame residence.
Owner—Fred Clifford, 884 Folsom St., San Francisco.
Architect—E. A. Herman, 89 Broadway, San Francisco.
Contractor—Willis L. Gott, 681 3rd Ave, San Francisco.

Plans Being Figured.
RESIDENCE Cost, $8,000
PALO ALTO, Santa Clara Co., Cal.
One-story six-room frame and plaster residence and separate garage.
Owner—Mrs. E. C. Clendenin, Palo Alto
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Contract Awarded.
RESIDENCE Cost, $16,230
SAN JOSE, Santa Clara Co., Cal. The Alameda and Ashbury St.
Two-story frame and plaster 9-room residence.
Owner—P. Boomer.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—J. C. McCombs, 214 Hobson St., San Jose.

Plans Being Figured.
RESIDENCE Cost, $——
SAN FRANCISCO Ingleside Terrace.
Two-story frame residence (6 rooms and garage).
Owners—R and Alice Eastwood.
Supervising Architect — August G. Headman, Call Bldg., San Francisco.

Contracts Awarded
RESIDENCE Cost $11,490
PALO ALTO Santa Clara Co Cal
Stanford University Campus
Two-story frame residence
Owner—Professor C. G. Vernier, Palo Alto.
Architect — Page M. Clark, Stanford University, Palo Alto
Contractor—Geo. Jacobsen, Palo Alto.

Plumbing awarded to Frederick W. Snook & Co., 596 Clay St., San Francisco, $1093.

Contract Awarded.
RESIDENCES Cost, $10,000 and $6000 respectively.
OAKLAND. Lakeshore Highlands.
Two 2-story frame residences.
Owners—Mr. Porter and Mr. Boyd.
Architect—Slocombe & Field, First Savings Bank Bldg., Oakland.
Contractor—C. P. Pond, 1165 Ashmount Ave., Oakland.

Plans Being Prepared—To be Done by Day's Work.
RESIDENCES Cost, $3,500 to $4,500 each.
OAKLAND, Alameda Co., Cal. Maxwell Park.
Fifty 1-story 5 and 6-room residences.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architects—Slocombe & Field, 1st Savings Bank Bldg., Oakland.
About fifty dwellings are now under construction and before the end of the year Mr. Isaacs plans to erect 200. Work is being done by day's labor.

Plans Being Figured.
BUNGALOW Cost, $2500
MAYFIELD, Santa Clara Co., Cal.
One-story 5-room bungalow.
Owner—Withheld.
Architect—Aruthur G. Scholz, Phelan Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, $——
STOCKTON, Cal. Northcrest Addition.
Two-story frame residence (7 rooms).
Owner—Ralph Jeannelle.
Architect—Losekann & Clowdsley, Elks' Bldg., Stockton.
Contractor—L. E. Hertzig and M. A. Orcutt.

Plans Completed.
RESIDENCE Cost, $7,000
OAKLAND. Lakeshore Highlands.
Two-story frame 6-room residence.
Owner—Mr. Crawford.
Architect—Slocombe & Field, First Savings Bank Bldg., Oakland.

Contract Awarded.
DWELLINGS Cost, $5,000 each
SAN FRANCISCO. Mission Terrace.
Four one-story frame dwellings.
Owner—Mission Terrace Co., 318 Kearny St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor — Olaf Olsen, 366 Granada Ave., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $16,000
PIEDMONT, Alameda Co., Cal.
Two-story and basement frame and plaster residence.
Owner—E. J. Schneider.
Architect—Albert Farr, 68 Post St., San Francisco.

Plans Being Prepared.
ALTERATIONS Cost, $——
MT. DIABLO, Contra Costa Co., Cal.
Alterations to country residence.
Owner—Bernard Ransome.
Architect—Albert Farr, 68 Post St., San Francisco.

Contract Awarded.
RESIDENCES Cost, $9,000 and $4,500
SAN FRANCISCO. S Lombard 183-6 E Octavia and E Franklin 87-6 N Lombard Street.
Two one-story and basement frame residences.
Owner—Estate of P. Michelette.
Supervising Architect— August Headman, Call Bldg., San Francisco.
Contractor—V. Fillipis, 957 Union St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $12,000
SAN MATEO, San Mateo Co., Cal. San Mateo Park.
Two-story frame and plaster residence.
Owner—Mr. Mitchell.
Architect — Ernest Norberg, Balboa Bldg., aSn Francisco.

Figures to be Taken Shortly.
RESIDENCE Cost, $16,000
SAN FRANCISCO. St. Francis and Santa Ana Boulevards.
Two-story frame and plaster residence
Owner—S. H. Barbour.
Architect—H. H. Gutterson, 278 Post St., San Francisco.

Low Bidder.
BUNGALOWS Cost, approximately $50,000.
SOUTH SAN FRANCISCO. Olive Ave. and Baden St.
Twenty 1-story frame bungalows.
Owner—South San Francisco Land & Investment Co.
Architect — Ernest Norberg, Balboa Bldg., San Francisco.
Low Bidder—Boxton & Swieg, Flatiron Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, $14,050
SAN FRANCISCO. Forest Hill.
Two-story frame and plaster residence.
Owner—J. M. Roth.
Architect—Walter C. Falch Hearst Bldg., San Francisco.
Contractor—Mangels Bros., 4792 Mission St., San Francisco.

Owner to Take Figures.
RESIDENCE Cost, $7,000
OAKLAND, Alameda Co., Cal. Lakeshore Drive.
Two-story frame and plaster residence
Owner — Walter Simpson, 601 Vernon Ave., Piedmont.
Architect — Wm. E. Milwain, Albany Bldg., Oakland.

Contract Awarded.
RESIDENCE Cost, $15,000
PIEDMONT, Alameda Co., Cal. Lot 51 Wildwood Gardens.
Two and one-half story frame residence
Owner—R. C. Shand, 141 Hillside, Piedmont.
Architect—Not given.
Contractor—Barr & Sons, 306 26th St., Oakland.

Contract Awarded.
RESIDENCE Cost, $14,300
SAN MATEO, San Mateo Co., Cal. Lot 142 Subdivision No. 2, San Mateo Park.
Two-story frame residence and garage.
Owner—A. W. Stitt, Yolanda, Marin Co., Cal.
Architect—W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley.
Contractor—Cavanaugh Bros., 180 Jessie St., San Francisco, and San Mateo

Bids In.
ALTERATIONS Cost, $8,000
SANTA CRUZ, Santa Cruz Co., Cal.
Alter two-story frame residence.
Owner—L. T. Bachman.
Architect—Geo. E. McCrea, 369 Pine St., San Francisco.

Plans Completed—Owner to superintend construction.
RESIDENCE Cost, $12,000
CARMEL, Monterey Co., Cal.
Two-story frame residence.
Owner—Herman A. Spoehr.
Architect—Geo. E. McCrea, 369 Pine St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $10,000
WATSONVILLE, Santa Cruz Co., Cal.
One-story frame and plaster residence.
Owner—Dr. George Herbert.
Architect—Geo. E. McCrea, 369 Pine St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $7,000
REDWOOD CITY, San Mateo Co., Cal.
Two-story frame and brick veneer residence.
Owner—Mrs. Stanley P. Doyle.
Architect—J. C. Thayer, 110 Sutter St., San Francisco.

RICHMOND, Contra Costa Co., Cal.—East Richmond Heights Land Co., 2201 Macdonald Ave., Richmond, will construct ten homes on Richmond Ave., Pacific Heights, near Mira Vista. Officers of the company are: E. M Downer President; C. Leinkule, First Vice-President; M. A. Hays, Secretary-Manager; L. E. Hart, Assistant Secretary, A. Greenfield, Treasurer.

SCHOOLS

Plans Prepared.
SCHOOL Cost, $65,000
DINUBA, Tulare Co., Cal.
Two-story nine-room brick grammar school.

Owner—Dinuba Grammar School Dist.
Architect—Ernest J. Kump, Rowell Bldg., Fresno.
Erection of structure depends upon bond issue carrying to be voted on March 24.

Plans Being Figured—Bids Close April 1, 1922, 8 P. M.
ADDITION Cost, $——
INGLEWOOD, Los Angeles Co., Cal.
One-story and basement brick auditorium addition to grade school.
Owner—Inglewood City School Dist.
Architect — Norman F. Marsh, 211 Broadway Central Bldg., L. A.

Plans Being Prepared.
ADDITION Cost, $50,000
LOS ALTOS, Santa Clara Co., Cal.
Six-room addition to school and construction and remodeling for domestic science and manual training quarters.
Owner—Los Altos School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Proposed improvements depend upon bond issue carrying.

Contracts Awarded.
SCHOOL Cost, $31,400
FRESNO, Fresno Co., Cal. Washington Col. School District.
Six-room school.
Owner—Board of Trustees of Washington Col. Elementary School Dist.
Architect—Ernest J. Kump, Rowell Bldg., Fresno.
Contractor—J. B. Hart, 1225 Broadway Fresno.

Sub-Contracts on above

Brick Work to D. A. Moore or J. M. Brown.
Plastering to Matt Summers.
Modeling to C. S. Newell.
Plumbing and Sheet Metal Work to B A. Newman.
Electrical Work to T. Robinson.
Painting to J. M. Harrison.
Millwork to Fresno or Madary's Mill.
Heating to C. F. Weber Co.
Blackboards to Rucker-Fuller Co.
Roofing to Fibrestone & Roofing Co.
Steel and Iron Work to Burnett Iron Works.
Hydro-Pneumatic Water System to Lauritzen Implement Co., $831.

Plans Being Figured—Bids Close Mar. 11, 1922, 4:30 P. M.
OAKLAND, Alameda Co., Cal. University High School Site on Block Bounded by Grove, Aileen, Dover and 58th Streets.
Two and three-story reinforced concrete high school.
Owner—City of Oakland.
Architect—Construction Dept., Oakland Board of Education, (C. W. Dickey) Chabot Hall, 11th and Jefferson Sts., Oakland.
See call for bids under official proposal column.

Figures to be Taken in About Three Weeks.
SCHOOL Cost, $300,000
REDWOOD CITY, San Mateo Co., Cal. State Highway and Broadway.
One and two-story reinforced concrete and frame school.
Owner—Sequoia Union High School District.
Architect—Carl Werner and A. I. Coffey, Humboldt Bank Bldg., San Francisco.

Plans Being Figured.
SCHOOL Cost, $65,000
LODI, San Joaquin Co., Cal. Pleasant Avenue and Walnut Street (St. Anne's Parish).
One-story reinforced concrete parochial school (4 classrooms, 2 music rooms, assembly hall, administration suite; the banquet hall will be in the basement).
Owner—Roman Catholic Archbishop. Edw. Maher, Pastor.
Architect — John J. Donovan, Pacific Bldg., Oakland.
Figures are being taken for a general contract.

Figures to be Called For in About Three Weeks.
SCHOOLS Cost, $200,000
SAN MATEO, San Mateo Co., Cal. Central School Site and Popular Ave. Between C and D Sts.
Two frame grammar school buildings.
Owner — San Mateo Grammar School District.
Architect—J. J. Donovan, Perry Bldg., Oakland, and S. Schnaittacher, 233 Post St., San Francisco.

Plans Being Figured—Bids Close April 12, 1922.
SCHOOL Cost, $400,000
SAN FRANCISCO. 22nd and Valencia Sts. (Horace Mann School).
Two-story reinforced concrete school building.
Owner—City and County of San Francisco.
Architect—John Reid, Jr., First National Bank Bldg., San Francisco.
Bids will be received on the general contract, estimated cost, $240,000, and at the same time for furring, lathing and plastering, estimated cost $36,000. Bids for the balance of the work will be asked for in a few days.

Plans Being Prepared.
GYMNASIUM Cost, $——
GONZALES, Monterey Co., Cal.
One-story frame auditorium and gymnasium building.
Owner—Gonzales Union High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

Plans Being Figured—Bids Close April 11, 1922, 8.30 P. M.
SCHOOL Cost, $——
PASADENA, Los Angeles Co., Cal. S California St. between Raymond and Fair Oaks Aves.
One-story reinforced concrete school and kindergarten.
Owner—Pasadena Board of Education (N. G. Felker, secretary, 525 Chamber of Commerce Bldg., Pasadena.
Architect—Cyril Bennett, 313 Kendall Bldg., Pasadena.
Bids will be taken on general contract, heating, plumbing, painting and electric wiring.

HIGH SCHOOL Cost, $175,000
FLAGSTAFF, ARIZ.
Two and 3-story brick or concrete high school.
Owner—Flagstaff High School Dist.
Architect—Norman F. Marsh, 211 Broadway, Central Building, Los Angeles.

BURLINGAME, San Mateo Co., Cal.—The Board of Trustees of the San Mateo Union High School District received the following bids on March 16th, for the construction of a two-story reinforced concrete high school building from plans prepared by Architect W. H. Weeks, 369 Pine street, San Francisco. The bids were under the estimate and the two lowest on each branch of the work were taken under advisement.

General Contract

Fink & Schindler, 226 13th St., San Francisco $157,256
C. L. Wold, S. F. 178,800
Barrett & Hilp, S. F. 197,576
Mahony Bros., S. F. 194,473
R. W. Littlefield, Oakland 205,200
Chas. Stockholm & Son, S. F. ... 248,388

Heating and Ventilating

(1) coal burning, direct steam; (2) oil burning; (3) coal burning split system; (4) oil burning.

J. E. O'Mara, 443 Minna St., S. F., (1) $21,935; (2) $1,133; (3) $30,353; (4) $1,133.
Latourrette-Fical Co., Sacramento, (1) $22,450; (2) $1,275; (3) $31,300; (4) $1,275.
Scott Co., S. F., (1) $22,720; (2) $1,220; (3) $30,980; (4) $1,290.
Turner Co., S. F., (1) $23,860; (2) $1,260; (3) $32,860; (4) $1,320.
Carl T. Doell, (1) $24,378; (2) $1,185; (3) ——; (4) $1,276.
Jas. A. Nelson, (1) $24,516; (2) $1,483; (3) $30,484; (4) $1,540.
Hateley & Hateley, (1) $26,760; (2) $1,360; (3) $35,106; (4) $1,380.
Jas. F. McGowan, (1) $26,929; (2) $1,379; (3) $36,211; (4) $1,421.

Plumbing

Carl T. Doell, 467 21st, Oakland.$ 9,122
Latourrette-Fical Co. 10,400
Hateley & Hateley 10,750
Turner Co. 11,100
J. E. O'Mara 11,306

Painting

D. Zelinsky & Son, 180 Jessie St., S. F. .....$ 7,971
Wm. Burnstein, S. F. 8,155
A. Quandt & Son, S. F. 9,385
Martin Cramer, S. F. 9,940
R. Zelinsky, S. F. 8,772
Neal Co., S. F. 11,600

Hardware

Wisnom-Bonner Co., San Mateo..$3,700

Steel Lockers

Fred Medart Co., Rialto Bldg., S. F. $1,748

Electrical Work

Newbery Elec. Co., Lick Bldg., S. F. .....$ 8,640
Butte Elec. & Mfg. Co., S. F. 8,899
M. E. Ryan, S. F. 8,960
Watts Elec. Co., S. F. 9,500
Berkeley Elec. Co., Berkeley... 9,923
Roberts Mfg. Co., S. F. 10,120
Decker Elec. Co., S. F. 10,384
Turner Co., S. F. 11,180

Terra Cotta Tile Roofing

Richmond Roofing Co., (using California Pottery Company's tile) .....$ 9,200
N. Clark & Son, S. F. 9,470
Gladding & McBean, S. F. 9,790
United Materials Co., S. F. 10,618

Composition Roofing

Ajax Roofing Co. $2,100
Malott & Peterson, S. F. 2,585
Fibrestone & Roofing Co., S. F... 2,953
Bender Roofing Co. 2,999
Richmond Roofing Co. 3,398

(1) Shades — (2) Cork Carpet

D. N. & E. Walter Co., 564 Mission St., S. F., (1) $2,235; (2) $2,688.
W. & J. Sloane, S. F., (1) $2,391; (2) $3,239.
Hulse-Bradford, S. F., (1) $3,218; (2) ——.

Blackboards

(1) Slate; (2) Hylo Plate

Rucker-Fuller Co., 677 Mission St., S. F., (1) $3,397; (2) $1,457.
C. F. Weber Co., S. F., (1) $3,400; (2) $1,700.
Stewart Sales Co., S. F., (1) $3,495; (2) ——.

Contract Awarded.
SCHOOL Cost, $——
BURLINGAME, San Mateo Co., Cal.
Two-story reinforced concrete high school.
Owner—San Mateo Union High School District, J. R. Murphy, Clerk, San Mateo.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
General Contract to Fink & Schindler Co., 226 13th St., San Francisco, $157,256.
Heating & Ventilating to J. E. O'Mara 443 Minna St., San Francisco, $31,486; (oil burning Split system).
Plumbing—Carl T. Doell, 467 21st St., Oakland, $9122.
Painting—D. Zelinsky, 180 Jessie St., San Francisco, $7974.
Hardware—Wisnom-Bonner Co., San Mateo, $3700.
Electrical Work—Newbery Electrical Co., Lick Bldg., San Francisco, $8640.
Terra Cotta Tile Roofing—Gladding-McBean Crocker Bldg., San Francisco, $9790.
Composition Roofing—Ajax Roofing Co., Burlingame, $2100.
Shades and Cork Carpet—D. N. & E. Walter Co., 564 Mission St., San Francisco, $2235 and $2688.
Blackboards—Rucker-Fuller Co., 677 Mission St., San Francisco, $3397.
Steel Lockers and Certain Furniture—Fink & Schindler, 226 13th St., San Francisco, $——.

LOS ANGELES, Cal.—Bavin & Burch Co., 173 E Jefferson St., Los Angeles, wer low bidders at $54,624, on the general contract for a new school building at Avenue 21 school site; Montgomery & Nibecker, architects. Low bidders on other contracts were: W. S. Goodrich on plumbing at $6099; F. J. Donnelly on steam heating at $2898; and American Elec. Constr. Co., on wiring at $2228. Two-story 88x130 ft., 8 rooms, brick construction, tile

and composition roofing, pine trim, maple floors. The bids were: **General Contract**—Bavin & Burch Co., $54,624; Alex. Grant, $54,900; H. H. Hinds, $54,-900; Wm. A. Larkins, $59,330; Pozzo Constr. Co., $59,500; Darrell Condley Co., $60.995; Walter Slater Co., $61,500; J. B. Dawson, $65,440; J. W. Myzelle, $72,000. **Plumbing**—W. S. Goodrich, $6099; F. J. Donnelly, $6997; E. W. Crowell Co., $7142; G. C. Sutton, $7350; Thos. Haverty Co., $7728. **Steam Heating**—F. J. Donnely, $2898; Frank Davidson $3145; J. Hokom, $3615; Thos. Haverty Co., $3745. **Electrical Work**—Amer. Elec. Constr. Co., $2228; Prewitt Elec. Co., $2700; Newbery Elec. Corp., $2454; F. B. Potter Elec. Co., $3240.

LONG BEACH, Cal.—J. C. Bannister, 903 N Mariposa St., Los Angeles, low bidder at $46,500, on the general contract for erecting the new Roosevelt school on Linden Ave. between 15th and 16th Sts., Long Beach. Other low bids were: F. D. Reed Co. low on plumbing at $6276; Goodman & Harrison, low on painting at $2674; Ward Akely, low on electric work at $1029, and Pacific Gas Radiator Co. low on gas heating at $1343. John C. Austin, 1129 Baker-Detwiler Bldg., Los Angeles, and W. Horace Austin, 222 First National Bank Bldg., Long Beach, associated architects. Bids refered to architects for report. Complete list of bids: **General Contract**—J. C. Bannister, $46,500; alt. (1) including heating flues, add $1700; J. W. Davison, $49,549; (1) $1290; Beswick & Sons, $50,461, (1) $1300; J. F. Atkinson, $51,-100, (1) $1200; C. T. McGrew & Son, $51,729, (1) $1325; M. H. Walters, $52,-969, (1) $1580; J. D. Sherer, $53,000, (1) $1500; W. J. Burgin, $54,200, (1) $1520; John Simpson, $54,300, (1) $1,-750. **Plumbing**—F. D. Reed Co., $6276; Hickman Bros., $6377; Long Beach Plumbing Co., $6475; Sanitary Plumbing Co., $6560; Thos. Haverty Co., $7756. **Painting**—Goodman & Harrison, $2674; Alhambra Wall Paper and Paint Co., $2717; W. B. Walters, $2737; Arenz-Warren Co., $3278; Horace H. Mann, $3246; D. Zelinsky, $3375; R. Zelinsky, $3416. **Electrical Work**—Ward Akely, $1029; Newbery Elec. Corp., $1111; Marsh Elec. Co., $1168; Renard-Stary Co., $1250; J. W. Lane Elec. Co., $1362. **Gas Heating**—Pacific Gas Radiator Co., $1343; Williams Gas Radiator Co., $2,-022.55; Pemberton Heating & Ventilating Co., $1500. Eight classrooms, 2-story 118x61 ft. hollow tile walls, plaster exterior, clay tile roof, beech floors, pine trim.

LOS ANGELES, Cal.—John Simpson & Co., 701 Antonio Ave., Los Angeles, were low bidders at $48,500, for erecting new school building at Woodrow Wilson school site, Sawtelle; Wm. Barber, 1123 Story Bldg., architect. Low bidders on other contracts were: Amer. Elec. Constr. Co., on wiring at $2306; Arenz-Warren Co. on painting at $1867; Frank Davidson on steam heating and ventilating at $8195; and W. S. Goodrich on plumbing at $6453. Five classrooms, offices and auditorium; brick construction, cast stone trim, composition roofing, pine trim, maple floors. The bids were: **General Contract**—John Simpson & Co., $48,500; Stanton & Hubert, $50,741; L. A. Constr. Co., $51,068; T. Bennett, $52,489; Frank Hudson, $54,710; C. L. Edinger, $64,172. **Electrical Work**—Amer. Elec. Constr. Co., $2306; Prewitt Elec. Co., $2941. **Painting**—Arenz-Warren Co., $1867; H. H. Mann, $1925; Leo. H. Hubbert, $1952; D. Zelinsky & Sons, $2282; R. E. Swan, $2355; Alhambra Wall Paper & Paint Co., $2400; A. Quandt & Son, $2596. Heating Frank Davidson, $8195; J. Hokom, $8356; Hoagland-Lakin Co., $8436, F. J. Donnelly, $8643; W. W. Brooks, $9300; Arthur Hess, $9710. **Plumbing**—W. S. Goodrich, $6453; F. J. Donnelly, $6489; Lohman Bros., $6549; W. W. Brooks, $6600, E. W. Crowell Co., $6907.

LOS ANGELES, Cal.—Until 9 A. M., April 5, bids will be received by the Board of Education for erecting new school building at Raymond Avenue School Site, on Raymond Ave. between 75th and 76th Sts., Los Angeles. Albert C. Martin 430 Higgins Bldg., Los Angeles, Architect. Bids will be taken separately on the general work, plumbing, painting, heating and wiring. Two-story 157x62 ft., 13 classrooms, brick construction, ruff. brick facing, cast stone or terra cotta trim, tile roofing, pine trim, maple floors., reinforced concrete corridors and stairways; $104,000. Plans may be obtained at the secretary's office, 730 Security Bldg., Los Angeles.

LOS ANGELES, Cal.—Until 9 A. M., April 5, bids will be received by the Los Angeles Board of Education for erecting a new school building at Sentous Junior High School site, Pico and Sentous Sts. Aleck Curlett is the architect. Bids will be taken separately on the general work, plumbing, heating, painting and wiring. Two-story, 65x93 ft., 12 classrooms, reinforced concrete and hollow tile construction, stucco exterior, composition roofing, pine trim, maple floors, $85,000. Plans may be obtained at the office of the Secretary, 730 Security Bldg., Los Angeles.

OAKLAND, Cal.—Bids were received by N. Cook, Acting Secretary of the Board of Education, for lathing and plastering certain new buildings for the Lockwood School.

A. Knowles, Call Bldg., S. F.	$12,800
T. D. Sexton	12,950
M. Ebinger	19,951

The bids were taken under advisement.

SAN FRANCISCO — Waller street, between Buchanan and Laguna streets, will be closed to permit construction of a magnificient State Normal school building at a cost of approximately $1,000,000, and standing the center of a garden bounded by Hermann, Haight, Laguna and Buchanan streets.

LONG BEACH, Los Angeles Co., Cal.—J. C. Bannister, 903 N. Mariposa St., Los Angeles, was awarded the general contract at $46,500 for erecting a new addition to Roosevelt Grammar School at Long Beach. Other awards were: F. D. Reed Plumbing Co., plumbing at $6076; Goodman & Harrison, painting at $2674; Ward Akeley, electric work at $1029. Changes are being made in heating requirements and that contract will be awarded to the Pacific Gas Radiator Co. Eight classrooms; two stories, 118x61 ft., hollow tile walls, plaster exterior, clay tile roof, beech floors, pine trim. John C. Austin, 1129 Baker-Detwiler Bldg., Los Angeles and W. Horace Austin, 222 First Nat. Bank Bldg., Long Beach, are the architects.

FILLMORE, Ventura Co., Cal.—L. A. Constr. Co., Douglas Bldg., was awarded the general contract at $56,860 for erecting a new grade school building at Fillmore; Jeffery & Schaefer, 1106 Kerckhoff Bldg., Los Angeles, are the architects. Golden State Electric Co. was awarded the wiring at $1865; plumbing was let to F. D. Reed, La Habra; and painting was let to Alhambra Wall Paper & Paint Co. at $1875. The bids for heating were rejected and the work will be readvertised. Eight classrooms, auditorium to seat 500 people; administration offices, concrete construction, plaster exterior, tile and composition roofing, cement and maple floors. The bids were: **General Contract**—L. A. Constr. Co., $56,860; Robert E. Millsap, $61,990; Wm. A. Larkins, $62,617; John Simpson & Co., $66,749; Darrell Condley Co., $69,847; J. C. Bannister, $72,500; Richardson Bldg. & Engr. Co., $76,298. **Electric Work**—Golden State Electric Co., $1875, John Simpson & Co., $1598 (if awarded general contract). **Plumbing**—F. D. Reed $3272; A. C. Dunn, $3395; W. P. Duckham, $3777; A. C. Ballinger, $3848; John Simpson Co., $3925; Lohman Bros., $3994. **Painting** — Alhambra Wall Paper & Paint Co., $1875; A. Quandt & Son, $1925; Arenz-Warren Co., $2341; H. K. Weber, $2902; Pasadena Painting & Decorating Co., $3000 John Simpson & Co., $3250. **Heating**—Hoagland-Lakin Co., $4487; D. W Payne & Son, $4641, Phillips Heating & Ventilating Co., $4704, Central Sheet Metal Works, $6273; Cass Mfg. Co., $5148. **Gas Heating**—Pacific Gas Radiator Co., $4777; Williams Radiator Co., $6723

(39715) 1st report Aug. 8, 2nd Oct. 19,

LOS ANGELES, Cal.—Walter Slater Co., 2314 Santa Fe Ave., was awarded general contract at $62,000 for a brick school building on 15th Street School site, San Pedro; F. J. Soper, 1122 Story Bldg., Los Angeles, is the architect. Other contracts were let as follows: Plumbing to Arthur Hess at $7639; steam heating to Thos. Haverty Co. at $3850; painting to D. Zelinsky & Sons at $2839; and wiring to American Elec. Constr. Co. at $2593. Two-story and basement, 10 classrooms, brick construction, plaster exterior, clay tile roof and maple floors.

POMONA, Orange Co., Calif.—H. M. Hanawalt, La Verne, was awarded a contract at $96,500 for excavating and concr. work for new Pomona high school building, Robert H. Orr and W. H. Weeks, 1301 Van Nuys Building, Los Angeles, assoc. archts. Other contracts awarded were: Iron and steel work to Minneapolis Steel & Machinery Co. at $17,220; glass and glazing to W. P. Fuller & Co., at $5495; electrical work to Woodill & Patterson Co., at $10,260; vault doors to Sweetser & Baldwin at $290; plumbing to F. J. Donnelly at $14,990; sheet metal work to Chas. J. Strangman at $4650; painting to S. A. Blatz, Pomona, at $9235; heating and ventilating to F. J. Donnelly at $26,-775. Bids for special fixtures were held under advisement. The bids for masonry work, marble and terrazzo work, carpenter work, blackbds., finish hadwe., lathing and plastering, and comp. rfg. were rejected and the work will be readvertised.

SANTA ANA, Orange Co., Cal.—Architects Theo. C. Kistner, San Diego, and F. H. Eley, Santa Aan, Associate, have been commissioned to prepare plans for three new brick school buildings to be erected at Santa Ana under the recent bond issue. Two of the buildings will cost about $55,000 each, and the other will cost about $65,000.

BAKERSFIELD, Kern Co., Cal.—The Board of Education has commissioned architects to prepare plans for additions to schools planned under the recent $225,000 bond issue. Architect Chas. Biggar, 1st National Bank Bldg., Bakersfield, will prepare plans for Hawthorne, Lincoln and McKinley school additions; Orville L. Clark for the Williams and Emerson schcool additions and Eugene K. Martin for the new school to be erected in the Laguna Tract.

LOS ANGELES, Cal.—Wm. A. Larkins, 325 Title Insurance Bldg., Los Angeles, was low bidder on the general contract at $61,489, for erecting new school building at 52nd St. school site; A. M. Edelman, architect. Low bidders on the other contracts were: W. W. Brooks on painting at $8380; American Elec. Construction Co. on wiring at $2264.12; F. J. Donnelly on heating at $3581; and Lee H. Hubbert on painting at $2398. Two-story 160 x 54 ft., 13 rooms, reinforced concrete and hollow tile construction, plaster exterior, tile roofing, pine trim. The bids were: **General Contract**—Wm. A. Larkins, $63,489; J. C. Bannister, 64,-681; Bavin & Burch Co., $66,302; John Simpson & Co., $71,443; Frank Hudson, $71,880; Darrell Condley Co., $72,395, J. F. Atkinson, $72,670; Stanton & Hubert, $79,307; Walter Slater Co., $83,-000. **Plumbing**—W. W. Brooks, $8380; G. C. Sutton, $8670; E. W. Crowell Co., $8998; Arthur Hess, $9410; Thos. Haverty Co., $9575; Lohman Bros., $9752; W. S. Goodrich, $9994, F. J. Donnelly, $9997. **Wiring**—American Elec. Constr. Co., $2264.12, Renard-Stary Co., $2194. **Heating**—F. J. Donnelly, $3581; Frank Davidson, $5045, W. W. Brooks, $5300; J. Hokom, $5396; Hoagland-Lakin Co., $5637, Arthur Hess, $5754; Thos. Haverty Co., $6188. **Painting**—Leo H. Hubbert, $2398; Arenz Warren Co., $1850; A. Quandt & Son, $2865 Alhambra Wall Paper & Paint Co., $2397; D. Zelinsky, $3171, H. H. Mann, $3678.

(Continued on Page 14)

Official Proposals

A call for bids published in this section indicates that bids are desired from other than local bidders. Maximum competition is desired, and this is assured through BUILDING AND ENGINEERING NEWS which reaches every worth-while contractor and materialman in Central and Northern California who bids on public work.

Rate: 10 cents per line, per insertion.

All official calls for bids of the California State Highway Commission and Nevada State Highway Commission are published in this section.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received by the undersigned **on April 5th, 1922,** for constructing portions of the State Highway SYSTEM as follows:

(1) Bids received until, and opened at 1 P. M. for grading, construction of culverts and preparing a selected material subbase, in Lyon County from 5.72 miles south of Yerington to Wilson.

(2) Bids received until, and opened at 2:30 P. M. for placing gravel surface —in Lyon County from Bulkhead to Hudson Aurora Road.

(3) Bids received until, and opened at 4 P. M. for grading, construction of culverts, and placing gravel surface in Churchill County from Hazen to Leeteville.

Plans may be examined and form of Proposal, Contract and Specifications secured at office of undersigned. May also be examined at the County Clerk's office in Yerington for Lyon County work, and in Fallon for Churchill County work. Cash deposit of Fifteen Dollars ($15.00) with undersigned required for copy of Plans, which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department, and must be accompanied by a certified check in the amount of 5% of the bid.

Each bidder must accompany his bid with a certificate from a Surety Company, duly authorized to do business in this State, stating that such Surety Company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said Specifications, conditioned for the faithful performance of the provisions of the contract and specifications.

Right is reserved to reject any or all bids.

GEO. W. BORDEN,
State Highway Engineer,
Carson City, Nevada.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on April 17, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Sonoma County, between Santa Rosa and Beltane (IV-Son-51-A), about eleven and seven-tenths (11.7) miles in length, to be paved with bituminized macadam.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated March 20, 1922.

BIDS WANTED FOR ROADS AND WALKS

BUREAU OF YARDS AND DOCKS, Navy Department, Washington—Bids are wanted until April 5, specification 4602, for constructing roads and walks at the naval station, San Diego, Calif. For information address above.

BIDS WANTED FOR TWO STEEL RADIO TOWERS

NOTICE TO CONTRACTORS

SEALED PROPOSALS, indorsed "Proposals for Radio Towers, Tutuila, Samoa, Specification No. 4600," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock A. M., April 19, 1922, and then and there publicly opened for two steel radio towers, erected on foundation furnished by the Government, at the Naval Station, Tutuila, Samoa. Drawings and specification No. 4600 may be obtained upon application to the Bureau or to the Commandant, Navy Yard, Mare Island, Calif. Deposit of a check or postal money order for $40.00, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification. L. E. GREGORY, Chief of Bureau, March 14, 1922.

BIDS WANTED FOR GARAGE AND STORE SHED

NOTICE TO CONTRACTORS

SEALED PROPOSALS, indorsed "Proposals for Garage at Point Loma, and Coal and Store shed at Imperial Beach, Calif., Specification No. 4599," will be received at the Public Works Office, Eleventh Naval District, Loma Portal, San Diego, Calif., until 11 o'clock A. M., April 5, 1922, and then and there publicly opened, for a one-story frame building with rustic siding, and asphalt and gravel roofing, at the Naval Radio Station, Point Loma, Calif., and a one-story frame building with shingle roof and walls at the Naval Radio Station Imperial Beach, Calif. Both buildings will have concrete foundations and concrete floors. Drawings and Specification No. 4599 may be obtained on application to the Bureau or to the Public Works Officer, Eleventh Naval District, Loma Portal, San Diego, Calif. Deposit of a check or postal money order for $10.00, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification. L. E. GREGORY, Chief of Bureau, March —, 1922.

NOTICE TO BIDDERS

(Roofing Wharf)

Bids will be received by the undersigned, Clerk of the City of Richmond, at his office in the City Hall of the City of Richmond, at No. 2555 Nevin Avenue, **up to the hour of 8 o'clock** P. M., of Monday, the 3rd day of April, 1922, for Roof Covering on Wharf Shed adjacent to Municipal Wharf No. 1, City of Richmond. Copies of plans and specifications for said work may be obtained from the City Engineer at his office in the City Hall. Bidders must file with their bid a certified check on a responsible bank equal to at least ten per cent of the amount of their bid.

The City Council reserves the right to reject any or all bids.

Dated at the Clerk's Office, this 8th day of March, 1922.

A. C. FARIS,
Clerk of the City of Richmond.

NOTICE OF TIME AND PLACE OF RECEIVING BIDS FOR CONSTRUCTING BRIDGE

NOTICE IS HEREBY GIVEN That sealed bids will be received by the Board of Supervisors at the office of the County Clerk **until ten o'clock A. M., Tuesday, April 11th, 1922,** for constructing a reinforced concrete bridge over Watson Creek about five miles north of Elk Creek, in Road District No. 3, according to plans and specification heretofore adopted by the Board of Supervisors for said bridge on file in the office of the County Clerk at Willows, California, and to which reference is made for further particulars.

Each bids must be accompanied by a certified check on a California bank for ten per cent of the amount of bid, payable to the Chairman of the Board of Supervisors, as a guaranty of good faith that the party to whom the contract may be awarded will enter into the necessary agreement and bond for the faithful performance of the contract, and failing to do so his guaranty deposit will be forfeited to the county in the manner provided by law. The board reserves the right to reject any or all bids.

Witness my hand and the seal of the Board of Supervisors of Glenn County, California, affixed this 16th day of March, 1922.

(Seal) W. H. SALE,
County Clerk.

NOTICE TO BIDDERS

For Sidewalks, Curb and Gutter Improvements in the City of Reno, Nev.

NOTICE IS HEREBY GIVEN That the City Council of the City of Reno, Nevada, invite and will receive sealed bids **up to eight (8) o'clock P. M., of Monday, the 27th day of March, A. D., 1922,** said bids to be filed with the City Clerk of the City of Reno, Nevada.

The work to be done consists of the following estimated quantities:

26,251 sq. ft. more or less, of hydraulic cement concrete sidewalks.

657 lin. ft., more or less, of hydraulic cement concrete combination curb and gutter.

9201 lin. ft., more or less, of hydraulic cement concrete curb.

Copies of plans and specifications may be obtained from Harry Chism, City Engineer, upon the deposit of five (5.00 dollars; said deposit to be re-

funded if the specifications are returned within five (5) days after the award of the contract.

Plats and plans may be seen and examined at the offices of the City Clerk or the City Engineer.

Each bid must be accompanied by a check, payable to the City of Reno, Nevada, certified by a responsible bank, for the amount of not less than ten (10%) per cent of the aggregate of the bid.

The City Council reserves the right to reject any and all bids.

Dated at Reno, Nevada, this sixteenth day of March, A. D., 1922.

(Seal) J. B. REESE,
City Clerk and Clerk of the City Council of the City of Reno, Nevada.

BIDS WANTED FOR HIGH SCHOOL BUILDING

(Two and Three-story Reinforced Concrete Structure. Estimated Cost, $500,000)

NOTICE TO CONTRACTORS

Office of the Secretary of the Board of Education of the City of Oakland.

Sealed bids will be received by the Board of Education of the City of Oakland, City Hall, Oakland, California, **until Monday, the 17th day of April 1922, at 4:30 P. M.**, at which time said bids will be opened, for the erection and completion of New Building for the University High School, of the Oakland School District and Oakland High School District, located on block bounded by Grove Street, Aileen Street, Dover Street and Fifty-eighth Street, Oakland, California.

Separate bids will be received for:

1. General Work, including Excavation, Concrete, Carpentry, Miscellaneous Iron, Sheet Metal and Built-up Roofing.
2. Tile Roofing.
3. Lathing and Plastering.
4. Painting.
5. Plumbing.
6. Heating and Ventilating.
7. Electrical Work.
8. Stage Curtains.

Plans and specifications for said work are on file at the office of the Chief of Construction, Chabot Hall, 11th and Jefferson Streets, Oakland, California.

On a deposit of Twenty-five ($25) Dollars, said plans and specifications may be had by any prospective bidder. These plans and specifications may be retained as follows:

1. General Work, ten (10) days.
2. Tile Roofing, two (2) days.
3. Lathing and Plastering, five (5) days.
4. Painting, three (3) days.
5. Plumbing, five (5) days.
6. Heating and Ventilating, five (5) days.
7. Electrical Work, five (5) days.
8. Stage Curtains, two (2) days.

If the plans and specifications are not returned to the Chief of Construction within the time above specified, or are returned in a mutilated or damaged condition, the deposit will be forfeited and will be immediately used for the purchase of a new set of blueprints and specifications.

Bids must be made on proposals obtained at the office of the Chief of Construction, and be signed by the bidder, accompanied by a certified check certified to by some responsible bank or banker, and made payable to N. W. Cook, Secretary of the Board of Education, to be retained by the said School Districts as agreed and liquidated damages should the party or parties to whom the contract should be awarded fail to enter into the contract after the award, or to give bonds required for the faithful performance of the contract, or any bond required by law. The amount of said check shall not exceed Five Thousand ($5,000) Dollars, but for all bids of less than Fifty Thousand ($50,000) Dollars, said check shall be for at least ten (10%) per cent of the amount of the bid. Each bid shall be accompanied by an affidavit executed on a form that can be obtained from the Chief of Construction.

Bids will be opened by the Board of said District on Monday, April 17, 1922, at the hour of 4:30 P. M. in the Board Room, 211 Second Floor of said City Hall, in said City of Oakland. The Board reserves the right to reject any and all bids or any or all items of such bids.

N. W. COOK,
Secretary of the Board of Education of Oakland, California.

SCHOOLS

(Continued from Page 12)

WASCO, Kern Co., Cal.—Barkelew & Gould, Tulare, at $25,444 awarded contract by Wasco Union High School District to construct two physical education buildings from plans of Architect Ernest J. Kump, Rowell Bldg., Fresno.

GRASS VALLEY, Nevada Co., Cal.—The Board of Trustees of the Grass Valley High School District received the following bids on March 20th, for the construction of a two-story reinforced concrete high school building and gymnasium. Plans were prepared by Architect William Mooser and H. B. Simpson, associated, Nevada Bank Building, San Francisco. All bids were taken under advisement.

General Contract

(a) Main Building; (b) Omit Gym.

R. McLeran Co., Hearst Bldg., San Francisco, $114,300; (b) deduct $15,650.

Howard S. Williams, San Francisco, (a) $116,640; (b) $18,403.

G. Peterson, (a) $127,960; (b) $22,061.

Electrical Work

	Main Bldg.	Gym.
G. W. West, Grass Valley	$5,498	$1,410
Turner Co., S. F.	5,625	1,200
O. Kurtz, S. F.	6,575	1,082

Plumbing

Turner Co., S. F., (main building only) $6,040.

Luppen, Hawley & Thing, Sacramento, (both buildings), $7,472.

O. Kurtz, (main building) $8,641; (omit gymnasium, deduct $2,249).

Heating and Ventilating

	Both Bldgs.
Thos. J. Kennedy, Martinez	$11,445
Luppen, Hawley & Thing, Sacto.	11,555
Turner Co., S. F.	12,780

Combination of Plumbing, Heating and Ventilating

Luppen, Hawley & Thing.....$18,175

STORES AND OFFICES

Steel Figures Being Taken.
OFFICE BLDG. Cost, $——
SAN FRANCISCO. NE Post and Powell Streets.
Nine-story and basement Class A office building (198 offices).
Owner—Wm. Fitzhugh, Mills Bldg., San Francisco.
Architect—Reid Bros., 105 Montgomery St., San Francisco.
Managers of Constr.—P. J. Walker Co., Monadnock Bldg., San Francisco.
Steel bids are now being taken by the Walker Co. and figures on the balance of the work will be taken shortly.

Contracts Awarded.
STORE BUILDING Cost, $21,955
SAN FRANCISCO. S O'Farrell 82-6 E Fillmore.
One-story brick, concrete and frame store building (all work except plumbing).
Owner—Leon Lewin, 112 California St., San Francisco.
Architect—S. L. Hyman, 68 Post St., San Francisco.
Contractor—Thos. F. Mulcahy, 180 Jessie St., San Francisco.
Plumbing awarded to Lawson & Drucker, 180 Jessie St., at $1740.

Figures to be Taken Shortly.
BUILDING Cost, $25,000
SAN FRANCISCO N Geary 80 W Leavenworth.
One-story and mezzanine floor reinforced concrete store building.
Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Figures Being Taken For Electrical Work, Plumbing and Steam Heating System.
OFFICE BLDG. Cost, $50,000
SAN FRANCISCO. N Geary Street 206-8 W Mason Street.
Five-story and basement reinforced concrete offices and store.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect — D. C. Coleman, 110 Sutter St., San Francisco.

Contract Awarded.
AUTO SALES BLDG. Cost, $30,866
OAKLAND, Alameda Co., Cal. Webster Street near 14th Street.
One-story reinforced concrete auto sales building.
Owner—A. & G. Babcock, 240 Grand Oakland.
Architect—Meyer & Johnson, 742 Market Sa., San Francisco.
Contractor—R. W. Littlefield, 351 12th St., Oakland.

Contract Awarded.
STORES Cost, $11,080
REDWOOD CITY, San Mateo Co., Cal. Part of Lot 36 Main St.
One-story brick stores.
Owner—Mary D. Ross, San Mateo.
Architect—Will H. Toepke, 942 Market St., San Francisco.
Contractor—Gus. Waller, Redwood City

Plans Being Figured.
STORE & LOFT BLDG. Cost, $500,000
LOS ANGELES, Cal SE Seventh and Hill Streets.
Twelve-story Class A store and loft building.
Owner—Sun Realty Co.
Architect—Alock E. Curlett, 518 Merchants National Bank Bldg., Los Angeles.
Bids are being taken separately on general contract, terra cotta, plumbing, heating, electrical work, marble and tile work. Llewellyn Iron Works has the contract for structural steel work and elevators.

Steel Contract Awarded.
OFFICE BUILDING Cost, $——
SAN FRANCISCO. SE Sutter & Taylor.
Six-story steel, brick and concrete office building.
Owner—J. S. Morgan.
Architect—M. V. Politeo, First National Bank Bldg., San Francisco.
Steel Contract awarded to S. Herrick Co.
Figures will be taken shortly on the balance of the work.

LOS ANGELES, Cal.—Scofield Engineering Construction Co., Pacific Finance Bldg., Los Angeles, has been awarded the general contract for structural work only at about $154,000, for a two-story and basement and intermediate floor class A building, 100 x 150 ft., on Flower St. between 6th and 7th Sts. in Los Angeles, for Central Business Properties Co. Stanton, Reed & Hibbard, Metropolitan Bldg., Los Angeles, prepared the plans and have been awarded a contract at $125,000 for all finish and cabinet work, decorating, equipment and fittings. The building will be occupied by Elite Caterers.

SAN FRANCISCO—A. F. Rousseau, 110 Sutter St., has purchased the property at Market, Eighth and Mission streets, known as the "circus grounds" and will improve it with several buildings from four to six stories. A large theater may also be erected.

THEATRES

To be Done by Day's Work.
ALTERATIONS Cost, $37,500
SAN FRANCISCO Forty-ninth Ave. bet. Fulton and Cabrillo.
Remodel figure eight coaster, build deeper dips, etc.
Owner — Friedle & Looff, 790 Great Highway, San Francisco.
Architect—Arthur Looff, 790 Great Highway, San Francisco.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

OAKLAND, Cal.—Until April 7, 10 a. m. bids will be received by supervisors for replacing piles, caps, braces and wales with necesary hooping, bolting, etc., in the fender or dolphin piles at Webster street bridge involving 5,000 lin. ft. creosoted piles; 5.00 M ft. B. M. creosoted O. P. timber; and 1.00 M ft. B. M. untreated O.P.timber.Est. cost $6,600. Geo. A. Posey, county surveyor.

SANTA BARBARA, Cal.—Quinton, Code & Hill, Hollingsworth Building, Los Angeles, have been retained as consulting engrs. for repairs on concr. apron below spillway of Gibraltar dam. Work involves 2000 yds. concr.

SAN DIEGO, Cal.—Harbor commission has asked a special election to divert $250,000 in bonds voted for pier, to fund for dredging along municipal bulkhead. Other suggestions made to the council were: repairs to roof of transit shed, $15,000; changing water system on muicipal pier, $2,000; repairs to fenders of municipal pier, constr. of warehouse for cotton, $60,000; paving Harbor Et. betw. Bdwy. and Market Sa. $20,000; grading and surfacing Juniper St. betw. Atlantic and Belt Sts., and grading and dredging Belt St. betw. Grape and Laurel Sts, $2000.

EUREKA, Humboldt Co., Cal.—Until April 11, 2 P. M., bids will be received by Fred M. Kay, county clerk, for constructing concrete girder bridge across Salmon creek near Beatrice in Road District 3. A. J. Logan, county surveyor.

GLENDORA, Cal.—Los Angeles Construction Co., 424 Douglass Bldg., Los Angeles, low bidder at $12,500, to construct reinforced concrete reservoir, 150 ft. diameter, 12 ft. deep, without roof for Glendora Independent Water Co., Shepard & Weber, 2731 Sixth St., Santa Monica, were low bidders at $14,744, for reservoir, including wooden roof. Other bids were : Mercereau Bridge & Construction Co., $16,995 and $19,995; Frisbie Construction Co., $13,906.44 and $16,696; P. J. Keenan, $14,480 and $16,490; E. H. Martin, $14,472 and $16,992; H. G. Klusman, $13,260 and $16,770; W. M. Ledbetter, $19,760 and $22,175; Stanton & Hubert, $19,428 and $21,850; J. C. Bannister, $14,640 and $18,035; Paul Ehlers, $14,300 and $18,500; J. S. Metzer & Son, $15,775 and $17,775; H. A. Tigget, $14,140 and $16,482; Sauer Construction Co., $—— and $19,474; Paul H. Green, $15,950 and $18,750; Frank Le Roy, $18,901 and $19,351; L. A. Construction Co., $12,500 and $15,000; C. A. Fellows, $13,470 and $17,021; Shepard & Weber, $12,822 and $14,744.

OAKLAND, Cal.—Until April 17, bids will be received by supervisors for repairs to Webster street bridge; estimated cost, $6500. Specifications may be had from county surveyor's office.

NEWPORT, Wash.—Union Bridge Co. of Portland and Seattle, completes specifications for proposed $250,000 toll bridge over Pend Oreille river. Construction to be financed by Spokane, Newport, Sandpoint, Priest River and other towns in Washington and Idaho. Inter-state Toll Bridge Co., Priest River, Idaho, Peter Young, president, promoting project. Will be 1250 ft. long, steel construction, concrete piers. U. S. Engineering Department, Seattle, recommends approval of plans to Washington.

SAN DIEGO, Cal.—Harbor Commission has asked city council for $30,000 in proposed dredging bond issue to dredge area to connect proposed channel with Federal $380,000 dredging project. Work by government contingent upon city's expenditure of $30,000. City bond issue of $250,000 for similar work will be submitted.

WILLOWS, Glenn Co., Cal.—Until April 11, 10 A. M., bids will be received by supervisors to construct reinforced concrete bridge over Watson creek in Road District 3. Bayard Knock, county surveyor. **See call for bids under official proposal column in this issue.**

IRRIGATION PROJECTS

LIVE OAK, Sutter Co., Cal.—Bids received by Reclamation District No. 2054 for constructing drainage ditches, involving approximately 400,000 cu. yds excavation, rejected. Polk and Robinson, Chico, engineers for district.

MARYSVILLE, Yuba Co., Cal.—Land owners located between Hutchinson's creek, in the Erle District, and Bear river, plan system to irrigate 15,000 acres. Preliminary estimates prepared by Engineer J. W. Ferguson.

LIGHTING SYSTEMS

FAIRFIELD, Solano Co., Cal.—Trustees J. H. Prather, city clerk, declares intention to install 33 electroliers with necessary wiring, etc., in Texas St. between Taylor and Washington. Work under Imp. Act 1911.

MACHINERY

SAN LEANDRO, Alameda Co., Cal.—City Trustees contemplate purchase of street roller and tractor. R. H. Goodwin, city engineer and J. J. Gill, clerk.

STOCKTON, San Joaquin Co., Cal.—Supervisors contemplate purchase of 5-ton tandem gas roller for highway maintenance department. F. E. Quail, county surveyor.

LOS ANGELES, Cal.—County has granted franchises for pipe-lines in highways as follows: Gen. Pipe Line Co., from boundary of Orange County to point near A. T. & S. F. right-of-way at Long Beach; Union Oil Co. of Calif., portion of line between Huntington Beach field and refinery at Long Beach, approximately 20,000 ft.; Crescenta Mutual Water Co., water piping system in La Crescenta-Canada District.

LOS ANGELES, Cal.—Until 3 P. M., April 4, bids will be received by the Board of Public Service, 207 S. Broadway, for furnishing switchboard indicating instruments, specifications P-255. Jas. P. Vroman, Secretary.

SEATTLE, Wash.—Until Mar. 27, 11 A. M., under Circular No. 549, bids will be received by Alaskan Engineering Commission, Bell Street Terminal, for furnishing and delivering headlights; turbo generators; switchboards; cast iron wheels; Chicago Coach Couplers; etc.

LOS ANGELES, Cal.—American Cast Iron Pipe Co. (Grinnell & Co., Pacific coast agents), submitted low bid for furnishing cast iron water pipe. The bid was: (1) 45.10 net ton 1642 lengths 8-in. class B, B. & S. pipe, f. o. b. Enterprise St. yd., L. A.; (2) $45.10 net ton 530 lengths 8-in. class B, B. & S. f. o. b. L. A.; (3) $43.90 net ton 560 lengths 10-in. class C, B. & S., f. o. b. L. A.; (4) $45.10 net ton 200 lengths 8-in. class B, B. & S., f. o. b., San Pedro; (5) $45.25 net ton 1050 lengths 12-in. class C, B. & S.; (6) $45.25 net ton 199 lengths 12-in. class B, B. & S.; (7) $45.25 net ton 135 lengths 24-in., class B and C, B. & S., Items 5, 6 and 7, f. o. b. Water Works siding. The other bids were: R. D. Wood & Co, (1) $52.16; (2) $52.16; (3) $52.16; (4) $51.16; (5) $52.31; (6) $52.31; (7) $52.31. United States Cast Iron Pipe & Foundry Co., (1) $45.40; (2) $45.40; (3) $44.20; (4) $45.40; (5) $45.40; (6) $45.40; (7) $45.90.

SAN JOSE, Santa Clara Co., Cal.—Bid of A. L. Young Machinery Co., at $459, to furnish road grader, rejected by supervisors as it did not comply with specifications. Irving Ryder, county surveyor.

ANTIOCH, Contra Costa Co., Cal.—Rudolph Bunderson, Antioch, at $2440, submits low bid to trustees to overhaul and furnish fittings and pipe for water filter plant. Only other bidder, California Filter Co., Merchants Exchange Bldg., San Francisco, $2,488. Taken under advisement. E. P. Easley, town engineer.

PORTLAND, Ore.—Cleveland Tractor Co., Portland, Ore., at $23,000, submits low bid to U. S. Forest Service, Portland, Ore., for furnishing and delivering 20 tractors.

ALHAMBRA, Cal.—Until 5 P. M., Mar. 27, bids will be received by city clerk for furnishing approximately 300 ft. of 18-in. 10-gauge double casing; one 21 ft. starter of 3-ply, 10-gauge plate; one 18"x16"x1" solid steel bit shoe. Certified check or bond for 25% required. R. B. Wallace, city clerk.

PORTLAND, Ore.—Until April 3, 2 P. M., bids will be received by Port of Portland Commission, 916 Spaulding Bldg., for furnishing and delivering 900 ft. of 30-in. dredge pipe, ½-in. thick, and 2000 ft. of 30-in. No. 10 gauge dredge pipe.

ALHAMBRA, Cal.—American Cast Iron Pipe Co. (Grinnell & Co., Pacific Coast agents), was low bidder for furnishing city 10,880 ft. 4-in. and 500 ft. 6-in. cast iron pipe and fittings. Alternate bids were taken on delivery. The unit prices were: 4-in. pipe (1) f. o. b. Harbor, $50.62; (2) f. o. b. trench, Alhambra, $53.90; (3) f. o. b. cars, Alhambra, $53.58; 6-in. pipe (1) $71.09; (2) $76.50; (3) $75.64; fittings (1) 4-in. tees, $7.05; (2) 4-in. 1-16 bins, $3.65; (3) 4-in. plugs, 45c; (4) 6-in.x 4-in. tees, $9.27; (5) 6-in. ⅛ bins, $5.25, (6) 6-in. plugs, 80c; (7) 8-in.x4-in. tees, $12.75. Other bids were:

U. S. Cast Iron Pipe and Foundry Co., 4-in. pipe, (1) $52.84; (2) $55.98; (3) $55.92, 6-in. pipe (1) $74.42; (2) $79.25; (3) $79.15; fittings (1) $7.20; (2) $3.75; (3) 45c; (4) $9.40; (5) $5.45; (6) 75c; (7) $18.20. R. D. Wood & Co., San Francisco, 4-in. pipe (1) $53.65; (2) $53.10; (3) $56.10; 6-in. pipe (1) $60.65; (2) $——; (3) $53.10; fittings, $122.65 per ton.

OAKLAND, Cal.—Until Mar. 30, 12 M., bids will be received by Eugene K. Sturgis, city clerk, for furnishing and delivering one left rear wheel for 12-ton Kelly Springfield Steam Roller for Dept. of Streets. Specifications may be had from clerk. W. W. Harmon, city engineer.

SAN JOSE, Santa Clara Co., Cal.—Bids are being received by San Jose Water Works, 372 W Santa Clara St., for furnishing approximately 1½ miles of 20-in diameter No 10. sheet iron pipe.

SAN JOSE, Santa Clara Co., Cal.—Until April 3, 11 A. M., bids will be received by Henry A. Pfister, county clerk, for furnishing and delivering one truck, 5-ton capacity, equipped with 4-yard body of standard make, equal to White, Packard or Pierce-Arrow. Irving Ryder, county surveyor.

SONOMA, Sonoma Co., Cal.—Until April 5, 8 P. M., bids will be received by H. W. Gottenberg, city clerk, for furnishing and delivering 1 10-horsepower motor with centrifugal pump, capacity 75 gallons per minute, 60 lb. pressure and storage tank of 220 gallon capacity. Specifications may be had from clerk.

SPOKANE, Wash.—Until 9.30 A. M., Mar. 30, bids will be received by C. F. Bogart, city purchasing agent, for:

1 30-inch horizontal valve, 60 pounds working pressure, bevel gear, with indicator, 4-inch by-pass, flanged, faced and drilled standard.

1 24-inch horizontal valve, 60 pounds working pressure, bevel gear, with indicator, 4-inch by-pass, flanged, faced and drilled standard.

5 18-inch horizontal valves, 80 pounds working pressure, bevel gear, with indicator, flanged, faced and drilled standard, 3-inch by-pass.

1 18-inch horizontal check valve, 80 pounds working pressure; flanged, faced and drilled standard.

5 6-inch vertical vales; 80 pounds working pressure, flanged, faced and drilled standard.

5 6-inch vertical vales, 80 pounds working pressure, one end flanged, faced and drilled standard, other end to be standard bell for cast iron pipe.

13 4-inch vertical valves, 80 pounds working pressure, to be standard screw end, with wheel tops, and open to the left.

All valves to be iron body, and bronze mounted, with double disc gates and parallel seats.

All 6-inch valves and larger and bypasses to have standard operating nuts, and open to the right.

Also 12 2-inch automatic air and vacuum valves.

5 2-inch pressure air valves.

19 2-inch gate valves, bronze body, wheel tops, open to the left.

WALLA WALLA, Wash.—Until Mar. 28, 10 A. M., bids will be received by E. T. Churchman, city clerk, for furnishing and delivering approximately 5,000 lin. ft. 20-in. diameter No. 10, U. S. standard gauge slip joint steel pipe.

LOS ANGELES, Cal.—Southern California Telephone Co., authorizes expenditure of $1,791,250, in addition to approximately $2,350,000, appropriated recently, for the improvement of its service. Nearly $1,000,000 will be expended in Los Angeles. The company has announced a $9,000,000 extension and improvement schedule for 1922.

MODESTO, Stanislaus Co., Cal.—Modesto Irrigation District contemplates installation of a turbine pump of approximately 2000 gallons per minute capacity, electric driven, to operate under a 40-ft. head. It is probable the pump will be purchased in the open market. Percy Jones, chief engineer for district.

RAILROADS

LOS ANGELES, Cal.—Utah Construction Co., Ogden, Utah, was successful bidder for constructing 12½ miles of railroad for extension of Union Pacific lty (Salt Lake route) from Whittier to Santa Fe crossing at Fullerton. Contract includes grading and construction of bridges and culverts and drainage, also paving and curb.

LOS ANGELES, Cal.—Application for franchise to construct one mile subway filed with city council by Pacific Electric Railway. Will cost in excess of $1,550,000.

SAN FRANCISCO—Until April 12, 3 P. M., bids will be received by Board of Public Works, for constructing Taraval street line of Municipal Railway system between 33rd and 48th Aves. Contract No. 130. Estimated cost, $120,000. Work will be completed in 90 days. Bonus of $25 per day. Specifications may be had from City Engineer M. M. O'Shaughnessy, 3rd floor, city hall.

FIRE EQUIPMENT

OAKLAND, Cal.—Council appropriates $10,500 to purchase truck for use of fire department. Eugene K. Sturgis, city engineer.

SAN JOSE, Santa Clara Co., Cal.—Until Mar. 27, 5 P. M., bids will be received by C. B. Goodwin, city manager, for furnishing and delivering 4000 lin. ft. 2½-in. double jacket fire hose coupled in sections of 50 ft. each with expansion ring couplings equipped with Pacific Coast thread. Specifications may be had from city manager.

SAN FRANCISCO—Contracts to construct fire drill tower at Division and 10th Sts., awarded by Board of Public Works, as follows:

General Construction to I. M. Sommers, Balboa Bldg., at $23,874.

Brick and Hollow Tile to Chas. Hock, at $9,375.

Electric Work to F. E. Newbery Electric Co., at $1,135.

Plumbing to A. Lettich, at $2,153.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

DINUBA, Tulare Co., Cal.—Time for opening bids for constructing sewage disposal plant has been postponed by city trustees from March 20 to April 14. Project consists of distributing manhole; 24-in. vitrified pipe; ejector pit and all necessary equipment. Estimated cost, $103,400. C. E. Sloan, Santa Fe Bldg., San Francisco, engineer.

SANTA MONICA, Cal.—Until 10 A. M., March 24, bids will be received by City Clerk for improving Fourth St. from Pico St. to Colorado Ave., by grading and paving with 4-in. asphaltic concrete base and 2-in. asphaltic wearing surface; Fourth St. from Colorado Ave. to Santa Monica Blvd., by grading and paving with 3-in. base and 2-in. Warrenite-bitulithic wearing surface; 10-in. vitrified pipe storm drain with appurtenances, intake boxes and catchbasins; 1911 Act. The work involves 149,936 sq. ft. grading; 67,870 sq. ft. Warrenite-bitulithic on asphalt concrete base; 82,066 sq. ft. sheet asphalt on asphalt concrete base; 2535 sq. ft. sidewalk; 640 ft. curb; storm drain complete. John A. Morton, City Engineer.

SANTA ROSA, Sonoma Co., Cal.—Until April 1, bids will be received by the Supervisors for constructing Casadera to Guernoville-Jenner Section B, of highway system, 0.48 miles, involving, 11,000 cu. yds. excavation; approximately 125 ft. 12, 15, and 18-in. pipe. Estimated cost, $8,545. R. Press Smith, County Road Engineer.

SANTA MONICA, Cal.—No bids received by City Trustees for improving Hollister Ave., a distance of two blocks. The work will probably be done by the city and assessed against the property.

STOCKTON, San Joaquin Co., Cal.—County Engineer F. E. Quail, completes specifications to improve approximately one mile of Hettler road, north of Victor, involving 1,000 cu. yds. gravel; 360 tons pea gravel and 330 barrels oil.

GUSTINE, Merced Co., Cal.—C. C. Kennedy, Consulting Engineer, Call Bldg., San Francisco, completes specifications to improve portions of South Sixth, Fourth and First Aves., and Fourth St., involving 88,564 sq. ft. grading, 83,564 sq. ft. 2-in. asphaltic concrete base with 2-in. Warrenite top; 128 lin. ft. 18-in., 364 lin. ft. 30-in. and 75 lin. ft. 36-in. seg. corru. iron culvert; 4 culvert manholes, 2 drain inlets, 9 concrete headwalls; 38 lin. ft. concrete curb. Protests will be heard by City Trustees March 29th.

CARSON CITY, Nevada—Until April 5, bids will be received by State Highway Commission for constructing highways. **See call for bids under official proposal section in this issue.**

SAN FRANCISCO—Until Mar. 29, 3 P. M., bids will be received by Board of Public Works, to improve:

17th St. between Santiago and Taraval, involving 3070 cu. yds. fill; 5270 cu. yds. cut; 1200 lin. ft. concrete curbs; 1200 sq. ft. vertical fiber brick pavement; 19,800 sq. ft. asphaltic concrete pavement.

Separate bids, same date, to improve Harold Ave. from Grafton Ave. and southerly, involving 384 lin. ft. 8-in. vitrified pipe sewer; 21 wye branches; 3 brick manholes and 1 lamphole.

Separate bids, same date, to improve crossing of Foerster and Staples, involving 100 cu. yds. cut; 20 lin. ft. 8-in. and 20 lin. ft. 12-in. vitrified pipe sewer; 1 brick manhole; 2 brick catchbasins; 10 lin. ft. 10-in. vitrified pipe culverts; 119 lin. ft. concrete curb; 584 sq. ft. artificial stone walks and 3118 sq. ft. asphaltic concrete pavement.

Separate bids, same date, to improve Joost Ave. between Foerster and Edna and Edna between Joost and Monterey Blvd., involving 2643 cu. yds. cut; 939 cu. yds. fill; 1605 lin. ft. concrete curbs; 12,050 sq. ft. concrete pavement; 8653 sq. ft. asphaltic concrete pavement; 3 brick catchbasins; 110 lin. ft. 10-in. vitrified pipe culvert; 8 wye branches; 100 lin. ft. 12-in. vitrified pipe sewer and 370 sq. ft. artificial stone walks.

Separate bids, same date, to improve Paris St. between France and Italy, involving 415 cu. yds. fill; 3307 cu. yds. cut; 1303 lin. ft. concrete curbs; 2800 sq. ft. vertical fiber brick pavement; 18,617 sq. ft. asphaltic concrete pavement; 11,541 sq. ft. artificial stone walks; 26 lin. ft. 10-in. vitrified pipe culvert; 2 brick catchbasins; 3 concrete stairs. M. M. O'Shaughnessy, city engineer.

SANTA MONICA, Cal.—Joe Chutuk, 426 Bullard Bldg., Los Angeles, submitted low bid at $7118.50, for constructing vitrified pipe sewer in Palisades Beach Road. Work comprises 3000 ft. 10-in. and 3290 ft. 12-in. pipe. Other bids: Shepard & Weber, $9700; J. D. Kneen & Co., $10,568; Leo Miletich, $18,700; R. M. Nikcevich, $16,080.

SAN FRANCISCO. City Engineer M. M. O'Shaughnessy completes specifications to improve Market street between Mono and 24th streets, estimated cost, $70,000, involving 2200 cu. yds. cut; 400 cu. yds. fill; 12 brick catchbasins; 3 storm water inlets; 400 lin. ft. 10-in. vitrified culvert; 50 lin. ft. 6-in. open tile drain; reconstruct 1 manhole; 17 flights of steps; 1 safety station; 600 lin. ft. 2x8-in. redwood headers; 485 lin. ft. 8-in. concrete curb, Type F; 6,200 lin. ft. standard concrete curb; 200 lin. ft. special Type D coping; 170,500 sq. ft. asphalt concrete pavement; 55,000 sq. ft. artificial stone walks; 1078 lin. ft. galvanized iron pipe railing; 140 concrete post footings, Type F.

SACRAMENTO, Cal.—H. C. Bottorff, City Controller, will sell at public auction on March 22, 10 A. M., 12,000, more or less, old granite paving blocks.

POMONA, Cal. — County plans to widen Camp Baldy road in San Antonio Canyon, reducing grades and construct culverts.

FRESNO, Fresno Co., Cal.—Engineer Wm. Stranahan completes specifications to improve Linden avenue, between Olive and Florodora avenues, involving 57,025 sq. ft. grading, 12,320 sq. ft. 3½-in. asphalt concrete base with 1½-in. Warrenite top pavement; 2,160 lin. ft. curb, 1,512 sq. ft. gutter and 11,116 sq. ft. walks.

Specifications completed to improve Linden avenue, between Florodora and McKinley, involving 18,840 sq. ft. grading; 44,462 sq. ft. 3½-in. asphalt con-

crete base with 1½-in. Warrenite surface pavement; 2,410 lin. ft. curb; 4,200 sq. ft. gutter and 11,826 sq. ft. sidewalk.

Specifications completed to construct 5,748 sq. ft. sidewalks in Washington street, between Thesta and Fresno Ave.

PHOENIX, Ariz. — Warren Bros. awarded contract for paving Ninth Ave. The contract involves 6133.37 sq. yds. bitulithic paving at $2.45 yd.; 51.25 sq. yds. cement concrete paving at $2.43 yd.; 6184.62 sq. yds. grading at 30c; 3455.16 lin. ft. combination curb and gutter, $1.50 ft.; 175 lin. ft. single curb at $1 ft.; 146.65 lin. ft. valley gutter at $1.50 ft.; 338 lin. ft. 12-in. concrete pipe at $1.50 ft.; 84.5 lin. ft. 12-in. vitrified pipe at $2.50 ft.; 258 lin. ft. 12-in. vitrified pipe Detail S at $3.75 ft.; 503 lin. ft. irrigating ditch at 15c ft.; 3 storm water manholes at $100 each; 6 gutter inlets, $20 each; 9 concrete stand pipes at $28 each; 12 12-in. sheet iron irrigating gates, $5 each; 4 street signs, $21.50 each; 9 street intersection terminations graded, $10 each; 2 alley terminations graded, $5 each.

LOS ANGELES, Cal.—W. D. McCray, 424 American Bank Bldg., awarded contract at $3007.03 for paving alley W of Woodlawn Ave. and a portion of 38th St., involving 10,228 sq. ft. grading at 5c ft., and 10,228 sq. ft. concrete paving at 24.4c ft.; engineer's estimate, $3068.40. Also contract at $5,173.10 for paving alley S of 33rd St. between Griffiith Ave. and San Pedro St., involving 17,694 sq. ft. grading at 4¾c ft.; 17,694 sq. ft. concrete pavement at 24c ft.; 45.3 lin. ft. curb at 60c ft.; 151 sq. ft. concrete gutter at 39c ft; engineer's estimated, $5219.60.

FLAGSTAFF, Ariz.—Petitions for extensive street paving have been signed and bids will be called for shortly for paving with Warrenite-bitulithic North San Francisco, West Birch, West Aspen and other streets. It is understood that the price is to be not more than $7 front foot.

GLENDALE, Cal.—Until 7 P. M., Mar 30, bids will be received by City Clerk Van Wie, City Hall, for improving the following streets under the 1911 Act:

Lexington Drive between Pacific and Chester Aves., involving 79 sq. ft. sidewalk and 47,800 sq. ft. resurfacing.

Belmont St. from Lomita Ave. south, involving 473 lin. ft. grading, 14,100 sq. ft. oil and surface, 4790 sq. ft. walk, 958 lin. ft. class B curb.

Justin Ave. from Glenwood to Eighth, involving 1090 lin. ft. grading, 31,400 sq. ft. oil and surface, 2222 lin. ft. class B curb, 1120 ft. 4-in. cast iron water pipe to be laid, pipe to be furnished by city water department.

Plans obtainable at office of City Engineer C. L. Hill.

SANTA BARBARA, Cal.—City Engineer Geo. D. Morrison, is preparing plans for sewer work on following streets: Haley, Soledad and Blanchard Sts.; Guitierrez St. between Voluntario and Soledad; Salinas and Quienientous Sts.

SAN BERNARDINO, Cal.—City Engineer C. E. Johnson has issued petitions for approximately 2½ miles sewer work, covering NE district, including 10th St. between Waterman and A Sts.; Waterman Ave. between 10th and alley from Monterey Ave. to Fifth St.; Myrtle and Waterman Aves; and portions of certain alleys. City Engineer Johnson is also preparing plans for approximately one mile of sewer piping in N district, including D St. between 13th St. and Anderson alley; Genevieve St. between 16th St. and Anderson alley; and A St. between 16th St. and Anderson alley.

CALIFORNIA.—Until April 17, 2 P. M. bids will be received by State Highway Commission, Forum Bldg., Sacramento, for paving with bituminized macadam 11.7 miles of highway in Sonoma county bet. Santa Rosa and Beltane. Austin B. Fletcher, state highway engineer. **See call for bids under official proposal section in this issue.**

TORRANCE, Cal.—Supervisors have resolved to complete Vermont Ave., Los Angeles to Spencer St., Gardena. A fund of $70,000 is available, and condemnation proceedings will be commenced at once.

WASHINGTON, D. C.—Until April 5, under Specification No. 4602, bids will be received by Bureau of Yards and Docks, Navy Department, for constructing roads and walks at San Diego naval station. **See call for bids under official proposal section in this issue.**

SANTA BARBARA, Cal.—City Engineer Geo. D. Morrison is preparing plans for street improvements as follows: Fig Ave. between Haley and Cota Sts.; 3 portions of Figueroa, Anapamu and Chino Sts.; Canyon Perdido between State and Anicapa Sts.; Anapamu between Santa Barbara and Milpas Sts.; Prospect Ave., westerly, Ortega St. between Chapala and San Andres Sts.; portions of Guitierrez and Elizabeth by paving including construction of walks.

SAN JOSE, Santa Clara Co., Cal.—County Surveyor Irving J. Ryder preparing spec. to improve Trimble road in Dist. 3, from Coyote creek west to Alviso road.

OAKLAND, Cal.—Until April 10, 10 a. m. bids will be received by supervisors to improve Hayward-Mt. Eden road, estimated cost $170,000, involving: 640,000 sq. ft. grading; 50 cu. yds. concrete for culverts, bridges, etc.; 390,000 sq. ft. 5-in. conc. pavement in place; 100,000 sq. ft. rein. mesh.; 250,000 lbs. rein. steel; 270,000 sq. ft. shoulders; 2,500 lin ft. 6-in. drain tile; 300 cu. yds. broken rock for drain; 500 lin. ft. 12-in., 500 lin. ft. 18-in. and 250 lin. ft. 24-in. corru. iron culvert; ALTERNATE PAVEMENTS: 390,000 sq. ft. 5-in. conc. pavement (7-in. section); 390,000 sq. ft. 5-in. conc. base with 1½-in. asph. surface; 390,000 sq. ft. 5-in. conc. base with 2-in. asph. surface; 390,000 sq. ft. 5-in. conc. base with 1½-in. Bituminous surface; 390,000 sq. ft. 5-in. conc. base with 2-in. Bituminous surface; 390,000 sq. ft. flush coat. Geo. A. Posey, county surveyor.

SONORA, Tuolumne Co., Cal.—Frank Sivori and J. C. Jones at $2,993 awarded contract by supervisors to construct road above Black Point station to Ralph station on the Tuolumne road, eliminating the Buckhorn grade.

SANTA ANA, Orange Co., Calif.— J. L. McBride, County Road Commissioner, instructed to furnish spec. for work in Rd. Imp. Dist. No. 9 in 3rd Supervisorial Dist.

BERKELEY, Alameda Co., Calif.—Council declares intention to grade and construct comb. conc. curbs and gutters and cement sidewalks in portions of San Lorenzo avenue.

Intention declared to construct rein. conc. culvert 4x5-ft. in Neilson street catchbasins, and 10-in. vit. sewer. C. L. Huggins, city engineer.

BAKERSFIELD, Kern Co., Cal.—Council rejects bids to improve Kentucky St. between Baker and Gage Sts., involving 1670 sq. ft. 3½-in. asphaltic concrete pavement with 1½-in. Warrenite surface; 614 sq. ft. concrete gutters and 324 lin. ft. cement concrete culverts. Bidders were: California Road and Street Improvement Co., $32,671.61; Federal Construction Co., $30,502.74; Warren Construction Co., $32,345. W. D. Clarke, city engineer.

SAN DIEGO, Cal.—Until April 3, bids will be received by supervisors for paving Mussey Grade from Foster to Mussey Grove, 2.21 miles, with 5-in. concrete pavement. Grading and culvert work has been done under separate contract. The work involves 500 cu. yds. embankment without classification; 3262.16 cu. yds. class A concrete; 2400 lbs. reinforced steel; work to be paid from bond issue funds.

MERCED, Merced Co., Cal.—City Trustees approve specifications to pave approximately 34 blocks of streets; estimated cost, $118,200. Pavement will be 3½-in. asphaltic concrete with 1½-in. Warrenite top—alleys to have 2½-in. asphaltic concrete base with 1½-in. Warrenite top. C. D. Martin, city engineer.

OAKLAND, Cal.—Michael Murphy, 1321 Milvia St., Berkeley, at $19,418, awarded contract by council to construct sewer in Broadway between 2nd and 12th Sts., involving 271 lin. ft. 10-in., 574 lin. ft. 12-in., 838 lin. ft. 14-in., 280 lin. ft. 16-in and 887 lin. ft. 18-in. vitrified pipe sewer; 136 lin ft. 10-in. vitrified pipe conduit; 1 drop connection; 50 wye branches; 10 manholes; 9 catchbasins; deepen 3 existing manholes; removal of 1402 lin. ft. existing sewers; remove 4 existing manholes and 9 existing catchbasins. Other bidders: Thos. F. Geary, $21,011; Heafey, Moore & McNair, $22,211.

SANTA ROSA, Sonoma Co., Cal.—Standard Oil Co., at $19.50 a ton, f. o. b. Oleum and Richmond, awarded contract by council to furnish 500 tons D grade asphalt.

ASTORIA, Ore.—Until April 14, 2 P. M., bids will be received by G. W. Lounsberry, clerk, Astoria Water Commission, for clearing and grubbing right of way, excavating and back filling trenches, and furnishing and laying in place between City Reservoirs and Head Works at Bear Creek, 21,800 ft. of 18-in. and 39,500 ft. of 22-in. of either riveted steel, Armco iron, Matheson joint or creosoted stave pipe with fittings complete. Bidders have privilege of submitting bids and specification on other types of pipe. Bids to be accompanied with certified check for $12,000. Lars Bergsvik, engineer for commission

ANTIOCH, Contra Costa Co., Cal.—Town Engineer E. P. Easley, preparing specifications to improve 14 blocks of streets with 5-in. cement concrete pavement.

SAN DIEGO, Cal.—Geo. R. Daley, Owl Drug Bldg., San Diego, low bidder at $41,960.78 for improving Grim Ave. between Redwood St. and University Ave. and part of Wightman St., involving 180,034 sq. ft. of 4½-in. asphaltic concrete at 19.9c ft.; 6206.17 sq. ft. walk at 22c ft.; 525.98 sq. ft. cement coating returns at 7c; 6805.79 lin. ft. curb at 65c; 5134.48 lin. ft. curb removed at 6c.

OAKLAND, Cal.—City Engineer W. W. Harmon, completes specifications to improve Telegraph Ave. between 52nd St. and north city limits, involving 272,040 sq. ft. grading; 783 lin. ft. concrete curb with steel guard; 8,835 lin. ft. concrete curb; 9,417 sq. ft. concrete gutter; 261,790 sq. ft. asphaltic concrete pavement; 159 lin. ft. 7x30-in. cast iron and concrete culvert.

REDWOOD CITY, San Mateo Co., Cal.—According to estimates submitted to supervisors, county engineer Geo. A. Kneese, estimates the cost of constructing what is known as the "Eastside Highway" at $718,850. It is proposed to construct the road of concrete, although this has not been definitely decided upon.

RENO, Nevada—Until Mar. 27, 8 P. M., bids will be received by Council to construct 400 lin. ft. reinforced concrete culvert in Chestnut St. between 1st and 2nd. Harry Chism, city engineer.

SACRAMENTO, Cal. — McGillivray Construction Co., Capitol Nat'l. Bank Bldg., awarded contract by council to improve 1st Ave. between 37th and Santa Cruz Way, involving 2798 ft. concrete curb and gutter; 8 cast iron gutter drains; 2 concrete manholes; 180 lin. ft. 8-in. and 270 ft. 6-in. vitrified pipe; 1433 ft. excavation; 16 cu. yds. fill; 45,134 sq. ft. asphaltic concrete pavement. Albert Givan, city engineer.

MARYSVILLE, Yuba Co., Cal.—Council rejects bids for constructing cement sidewalk in Fifth St. subway. Thos. Pierano, bid 11½c and J. A. McKinney, 13¾c. W. M. Meek, city engineer.

SAN DIEGO, Cal.—Until 10.30 A. M., Mar. 27, bids will be received by city clerk Allen H. Wright, for improving Roosevelt Memorial Drive, near La Jolla; 1911 Act, property owners to pay 40% and city 60%. Work involves 2827.5 cu. yds. excavation; 4529.3 cu. yds. embankment; 121,070.8 sq. ft. pavement; 13,025.4 sq. ft. berms; 1:2:4 concrete 5-in. thick; curtain wall, 2001.5 lin. ft. concrete, 8x3 ft.

DINUBA, Tulare Co., Cal.—Until Apr. 12, 8 P. M., bids will be received by City trustees for constructing 25,000 sq. ft. cement concrete sidewalks; 8,000 sq. ft. concrete gutters and 4000 lin. ft. concrete curbs. Specifications may be had from Consulting Engineer Chas. E. Sloan, Santa Fe Bldg., San Francisco.

SANTA ANA, Cal.—Steele Finley, Santa Ana, awarded the contract at $32,625.80 for improving Cypress St. between Chestnut and McFadden Sts., involving 158,400 sq. ft. grading and paving with 3½-in. asphaltic concrete base and 1½-in. wearing surface at 19.9c ft.; 300 lin. ft. cement curb at 55c ft.; 528 lin. ft. house connection sewers at $1.25 ft.

RED BLUFF, Tehama Co., Cal.—Until April 3, bids will be received by city trustees for paving portions of Main and other streets; approximate cost, $66,000. W. F. Luning, city engineer.

LOS ANGELES, Cal.—Until 10 A. M., Mar. 27, bids will be received by Board of Public Works, for improving Casitas Ave. between Silver Lake Blvd. and Tyburn St. by grading, oiling and constructing cement curb, sidewalk and concrete gutter; Vrooman Act. The work involves 20,683 sq. ft. grading, and oiling; 1590 lin. ft. concrete curb; 7953 sq. ft. sidewalk; 3180 sq. ft. concrete gutter.

SAN JOSE, Santa Clara Co., Calif.—Supervisors reject bid of John F. Adams at $7,400 to improve Murphy avenue; engineer's estimate, $6,280. Bid of Adams at $9,000 to improve Hamling street, also rejected, engineer's estimate, $7,997. Work ordered done by day labor. Irving Ryder, county surveyor.

GLENDALE, Cal.—Until 7 p. m. Mar. 30, bids will be received by City Clerk Van Wie for constr. sewage disposal plant in Verdugo Canyon dist.

SAN JOSE, Santa Clara Co., Cal.—San Jose Water Co., will spend $90,000 in improving system. Twenty inch water mains will be installed in several streets.

REDWOOD CITY, San Mateo Co., Cal.—California Construction Co., 58 2nd St., San Francisco, at $43,550, awarded contract by supervisors for improving Pescadero road in 5th Road District, involving 65,000 sq. yds. scarifying and repaving; 65,000 sq. yds. 2½-in. base rock pavement and 65,000 sq. yds. asphaltic oiling and screening surface. Other bidders: J. J. McHugh, $45,240; Standard Industrial Engineering Corp., $15,500; Heafey, Moore & McNair, $45,500; Granite Construction Co., $49,985; Geo. A. Kneese, county surveyor.

PORTERVILLE, Tulare Co., Cal.—Council petitioned to form sewer district in southern section of city, the Cornell Tract. City Engineer Fred Pease, instructed to prepare estimates of cost.

EUGENE, Ore.—Until April 1, bids will be received by county court for grading Cottage Grove-Lorane road, 5 miles, 63,000 cu. yds. excavation; for grading Elmira-Smithfield road, 7 miles 29,000 cu. yds. excavation; for furnishing and placing approximately 11,000 cu. yds. crushed rock or gravel macadam on Elmira-Smithfield road.

MARYSVILLE, Yuba Co., Cal.—Council authorizes specifications prepared to pave in three districts, Nos. 12, 13 and 14, including certain streets to be surfaced under the paving program. Council declares intention to extend sanitary sewer system into northeast section of city, known as "Schimpville"—extension to run from 10th to 13th Sts., in alley between Yuba and Ramirez Sts. Alternate bids wil be asked for a 6-in. concrete and vitrified pipe. W. M. Meek, city engineer.

BERKELEY, Alameda Co., Cal.—H. H. Schwarze, has been appointed assistant sanitary engineer by city council.

SAN MATEO, San Mateo Co., Cal.—Consulting Engineer John M. Punnett, 333 Kearny St., San Francisco, completes plans for enlarging San Mateo water system, involving 700 ft. excavation trenching; 700 ft. 6-in. O. D. black dipped casings and fittings; 18 concrete piers; re-erecting 2 25,000 gallon tanks; replacing 205 ft. 4-in. pipe; installing 1 Booster pump and motor, capacity of 20,000 gallons per hour with electric float control and shed; relaying 550 ft. 4-in. pipe; placing 500 ft. 2-in. standard black dipped pipe with fittings and approximately 1400 ft. pipe in Hurlingame avenue.

NEWPORT BEACH, Cal.—Contract for constructing force main for which bids will be opened Mar. 27, will involve 9720 lin. ft. trenching, 3 to 6 ft. deep; furnishing and laying 6900 ft. 12-in. Class B, 2785 ft. 12-in. Class A and 54 ft. 6-in. Class A bell and spigot cast iron pipe; 29½ ft. 12-in. and 3 ft. 8-in. steel screw pipe; 17 special fittings, curves and branches; 2 6-in., 1 8-in. and 6 12-in. gate valves; 5 Crispin air valves; 12 manholes; 28 ft. 36-in. corrugated iron culvert, and 5½ cu. yds. concrete at reservoir inlet. Paul E. Kressly, H. W. Hellman Bldg., Los Angeles, engineer.

REDWOOD CITY, San Mateo Co., Cal.—Until April 3, 8 P. M., bids will be received by trustees to surface with asphaltic oil and screenings, existing macadam pavement in portions of Duane, Brewster and Arch Sts., approximately 70,000 sq. ft. C. L. Dimmitt, city engineer.

PASADENA, Cal.—Until 10 A. M., Mar. 29, bids will be received by City Clerk Bessie Chamberlain for constructing sewers in Arroyo Blvd., San Rafael Ave. and other streets in San Rafael Hts., involving 11,004.38 ft. 8-in., 4295.15 ft. 10-in., 1396 ft. 12-in. and 1435 ft. 14-in. vitrified pipe; 535 ft. 12-in. cast iron pipe, 73 manholes and 8 flushtanks; 1911 Act. Contract also includes construction of reinforced concrete bridge over Arroyo in San Rafael Ave. This will be a highway bridge but it will carry sewer line across Arroyo.

Separate bids, same date, to construct sewers in Pasadena Hts., involving 23,405.41 ft. 8-in., 2298.1 ft. 14-in., 1402 ft. 16-in., 190.07 ft. 20-in vitrified pipe; 23 flush tanks and 88 manholes; 1911 Act. E. P. Dewey, city engineer.

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PORTLAND, Ore.—J. F. Shea, Portland, at $51,668, awarded contract to construct Oregonian avenue sewer.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy, completes specifications to improve Peru Ave. between Lisbon and Madrid; estimated cost, $6,785, involving 39 cu. yds. cut; 1247 cu. yds. fill; 3 brick catchbasins; 105 lin. ft. 10-in. vitrified culverts; 488 lin. ft. concretec urbs; 586 sq. ft. artificial stone walks; 3540 sq. ft. asphaltic concrete pavement and 7200 sq. ft. concrete pavement.

OROVILLE, Butte Co., Cal.—Until April 4, bids will be received by supervisors for constructing 5 miles of Gridley-Colusa road, Sec. C, Rt. 4, involving 29,200 cu. yds. unclassified excavation. H. H. Hume, county road engineer.

SONORA, Tuolumne Co., Cal.—Until April 3, bids will be received by trustees for paving various streets, involving 119,167 sq. ft. 5-in. and 24,812 sq. ft. 4-in. concrete pavement; 6,049 sq. ft. concrete gutter; 3,404 lin. ft. concrete curb; 64,117 sq. ft. 1½-in. Caltic asphaltic surface on 4-in. rock macadam; 59,117 sq. ft. 1-in. Caltic asphaltic surface on 4-in. rock macadam; estimated cost, $69,523. C. W. Terry, city engineer.

OROVILLE, Butte Co., Cal.—Until April 4, bids iwll be received by supervisors for highway improvements as follows:

Oroville-Marysville road, Sec. B, Rt. 26, asphaltic concrete pavement, 15 ft. wide, 3.95 miles.

Durham-Oroville road, Rt. 21, Sec. B, asphaltic concrete pavement 15 ft. wide, 1½-in. or 2-in. thick, 2.09 miles.

Dayton-Durham road, Rt. 12, Sec. A, asphaltic concrete pavement 15 ft. wide, 1½-in. or 2-in. thick, 3.63 miles.

Sacramento Avenue road, Rt. 13, Sec. A, asphaltic concrete pavement, 15 ft wide, 1½-in. or 2-in. thick, 3.18 miles.

Larkin road, Rt. 1, Sec. A, asphaltic macadam pavement, 15 ft. wide, 4 miles.

Oroville-Chico road, Rt. 20, Sec. A, asphaltic macadam pavement, 15 ft wide, 2.45 miles.

Oroville-Bangor road, Rt. 25, Sec. A, asphaltic macadam pavement, 15 ft. wide, 6.42 miles.

Oroville-Marysville road, Rt. 26, Sec. C, asphaltic macadam 15 ft. wide, 2.80 miles.

H. H. Hume, county road engineer.

SALINAS, Monterey Co., Cal.—City Engineer Donald F. Davies, completes specifications to improve Monterey St. between San Luis and St. John, involving 929 lin. ft. concrete curbs; 23,200 sq. ft. grading; 15,784 sq. ft. 5-in. Portland cement concrete pavement; estimated cost, $4,451.

Specifications completed to improve Winham St. between S Main and California Sts., involving 3606 lin. ft. concrete curbs; 59,938 sq. ft. grading; 59,938 sq. ft 4-in. concrete pavement; estimated cost, $13,549.

RENO, Nevada—Until Mar. 27, 8 P. M., bids will be received by J. B. Reese, city clerk, for constructing 26,251 sq. ft. hydraulic cement sidewalks; 657 lin. ft. cement concrete combination curb and gutter and 9,201 lin. ft. hydraulic cement concrete curb. Harvy Chism, city engineer. **See call for bids under official proposal column in this issue.**

PHOENIX, Ariz.—Warren Bros., Phoenix, awarded contract at $65,800.90 for improving First St. between Culver and Taylor Sts.

BAKERSFIELD, Kern Co., Cal.—Until Mar. 27, 5 P. M., bids will be received by Council to improve portions of M, K, L, 5th, 6th, 7th, 9th, 10th, 11th and 14th Sts., etc., involving 74,338 sq. ft. cement concrete sidewalks; 11,604 lin. ft. cement concrete curbs; estimated cost, $20,600. Street Imp. District 439.

Separate bids, same date, to improve portions of Humboldt, Grove, Fremont, East Truxton Ave., etc., involving 65,831 sq. ft. cement concrete sidewalks;

9869 sq. ft. cement concrete curbs; estimated cost, $18,000. W. D. Clarke, city engineer.

RENO, Nevada—In addition to the extensive program of paving for which a contract has been awarded to the Clark and Henery Construction Co., the city council is planning the paving of 42 blocks of streets this year. Harry Chism, city engineer.

HYDE PARK, Cal.—Engineer Dan S. Miller, 316 Marine Bank Bldg., Long Beach, preparing plans and specifications for approximately 5½ miles of sidewalks and curbs to be constructed in section bounded by Redondo Blvd., Eighth Ave., Santa Fe Ry. and 60th St., Hyde Park. Proceedings will be started under 1911 Act. Cost, about $40,000.

ANTIOCH, Contra Costa Co., Cal.—Until April 10, 8 P. M., bids will be received by J. E .McElheney, city clerk, to improve portions of K, 5th and 6th streets, by grading, concrete curbs and gutters and paving with 4-in. cement concrete laid in one course; corrugated iron culverts. Imp. Act 1911.

OROVILLE, Butte Co., Cal.—Until April 3, 11 A. M., bids will be received by supervisors for furnishing and delivering broken stone screenings; concrete sand, and unwashed crusher plant screened gravel; for use on county highway system. Harry H. Hume, county road engineer.

GLENDALE, Cal. — Following contracts awarded by trustees:

Griswold and other streets to W. D. McCray, American Bank Bldg., Los Angeles, at $18,895, involving 3630 lin. ft. grading, 129,500 sq. ft. oil and surface, 7370 ft. curb, 37,500 sq. ft. walk.

Geneva and other streets to Cornwell & Henderson, Glendale, at $5236, involving 960 lin. ft. grading, 34,560 sq. ft. oil and surface, 860 ft. curb, 4860 sq. ft. walk, and laying 1000 ft. 4-in. water pipe.

San Fernando Road intersection with Brand Blvd., reconstruction work, to Ducey & Breitenstein, 151 S Hill St., Pasadena, at $5271.40, involving 12,850 sq. ft. 5-in. cement paving, 159 ft. curb, 660 sq. ft. walk, and $1700 corrugated metal culvert.

SAN RAFAEL, Marin Co., Cal.—County Surveyor Geo. M. Dodge, completing specifications to grade and pave Point San Pedro Road in District 1; approximately 6 miles long. Estimated cost, $100,000.

SAN RAFAEL, Marin Co., Cal.—Until April 4, 2 P. M., bids will be received by Supervisors for grading Red Hill road, involving 35,900 cu. yds. grading, constructing culverts, 2 concrete bridges and concrete cattle pass. Estimated cost, $30,000. G. M. Dodge, county surveyor.

BAKERSFEILD, Kern Co., Cal.—Until April 3, 5 P. M., bids will be received by Council to improve Kentucy St. between Baker and Gage Sts., involving 91,670 sq. ft. 3½-in. asphaltic concrete paving with 1½-in. Warrenite top; 9614 sq. ft concrete gutters and 324 lin. ft. cement concrete culverts; estimated cost, $27,000. As previously reported bids received on this project were rejected. W. D. Clarke, city engineer.

SAN ANSELMO, Marin Co., Cal.—Town Engineer J. C. Oglesby, Cheda Block, San Rafael, preparing specifications for paving streets in Barber Tract with concrete. Estimated cost, $33,500.

DELANO, Kern Co., Cal.—California Glazed Cement Pipe Co., Security Bldg., Los Angeles, at $38,223, awarded contract by city trustees to furnish pipe and fittings for sewer system. Contract covers 3983 ft. 24-in., 3563 ft. 15-in. and 352 ft. 10-in. storm drain; 16,931 ft. 15-in., 5838 ft. 12-in., 10,440 ft. 10-in. and 37,728 ft. 8-in. sanitary drain. John. S. Bates, Rowell Bldg., Fresno, engineer.

STOCKTON, San Joaquin Co., Cal.—Until April 4, 10.30 A. M., bids will be received by Council to improve Yosemite St. between Church and Washington, involving 2108.58 cu. yds. cut; 1193.28 cu. yds. fill; 10,147.65 sq. ft. concrete walks; 2044.88 lin. ft. concrete curb and gutter; 34,873.19 sq. ft. 4-in. asphaltic concrete base pavement with 2-in. asphaltic concrete surface. Estimated cost, $14,703. W. B. Hogan, city engineer.

RED BLUFF, Tehama Co., Cal.—Until April 3, 7.30 P. M., bids will be received by city trustees to pave portions of Main, Walnut and Oak Sts., involving 161,000 sq. ft. 6-in. hydraulic cement concrete pavement, 24 ft. wide; 2160 cu. yds. excavation; 330 cu. yds. fill for bridge; and constructing concrete girder bridge over Brickyard creek. Estimated cost of bridge, $6500. Total estimated cost of work, $55,811. W. F. Luning, city engineer.

OAKLAND, Cal.—Until April 6, 12 M., bids will be received by council to improve Essex St. from its north termination to Alcatraz Ave., involving 1484 cu. yds. excavation; 593 lin. ft. concrete curbs; 1339 sq. ft. concrete gutter; 10,654 sq. ft. oil macadam pavement; 4016 sq. ft. cement wolks. W. W. Harmon, city engineer.

OAKLAND, Cal.—City Engineer W. W. Harmon, completes specifications to improve 49th Ave. between E 12th and 14th Sts., involving 43,036 sq. ft. grading; 1395 lin. ft. concrete curb; 2869 sq. ft. concrete gutter; 22,863 sq. ft. oil macadam pavement; 8607 sq. ft. cement walks; 695 lin. ft. 2x3-ft. concrete culvert; 2 concrete culvert taper section (5 ft. long); 1 concrete inlet.

BAKERSFIELD, Kern Co., Cal.—Until April 6, 7.30 P. M., bids will be received by town trustees to pave Main St., involving approximately 70,000 sq. ft. 5-in. hydraulic concrete pavement; estimated cost, $17,000. F. A. McKee, town engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—Cowden-Broderick Co., Hearst Bldg., San Francisco, at $67,258, for concrete pavement, awarded contract by the Supervisors to construct 3½ miles of Ben Lomond to Boulder Creek road.

W. A. Dontanville, Hollister, at $81,926, concrete pavement, awarded contract to construct 3.929 miles of Watsonville-Chittenden road.

FRESNO, Fresno Co., Cal.—City Engineer Wm. Stranahan, completes specifications to improve Lucerne Lane between Olive and Florodora Aves., involving 54,657 sq. ft. grading; 49,836 sq. ft. 3½-in. asphaltic concrete base with 1½-in. Warrenite top pavement; 2,493 lin. ft. curb; 4,629 sq. ft. gutter; 11,732 sq. ft. walks; 106 lin. ft. 12-in. corrugated culvert and 2 manholes.

Specifications to improve Alta Ave. between Hazelwood Blvd. and S 4th St., involving 68,199 sq. ft. grading; 2½-in. asphaltic concrete base with 1½-in. Warrenite top pavement; 630 lin. ft. curb; 4,164 sq. ft. gutter; 3,741 sq. ft. walks; 337 lin. ft. 12-in. corrugated culvert; 6 manholes.

Specifications completed to construct 740 ft. 6-in. vitrified clay pipe sewer and 1 manhole in Blocks 8 and 24, Hazelwood. Wm. Stranahan, city engineer.

FORTUNA, Humboldt Co., Cal.—Until April 6, 7.30 P. M., bids will be received by town trustees to pave Main St., involving approximately 70,000 sq. ft. 5-in. hydraulic concrete pavement; estimated cost, $17,000. F. A. McKee, town engineer.

SAN DIEGO, Cal.—Council declares intention to pave with 1-in. asphaltic concrete on 2½-in. asphaltic concrete base, the following streets: A St. between 4th and Kettner Blvd.; Ash St. between 5th and Kettner; Beech St. between 5th and California Sts.; Cedar St., 5th to California; Date St., 6th to California; Elm St., 6th to Union; Elm St., State to Columbia; Fir St., 5th to 4th; and 3rd to Front and State to California; Juniper St., Albatross to Curlew and Union; Kalmia, Albatross to Curlew; Brant, Hawthorne to Maple; Curlew, Juniped to Kalmia; Union, Fir to Kalmia; Columbia, A to Kalmia.

SANTA MONICA, Cal.—Stutzer & Sedgwick awarded contract at $11,858.83, to improve Avenue 31, 31st Pl., Norma Ave., Trolleyway and Trolleyway Court.

FRESNO, Fresno Co., Cal.—Until Apr. 6, 3.30 P. M., bids will be received by council to improve Clinton Ave. between Wishon and Maroa Aves., involving 22,200 sq. ft. grading; 11,840 sq. ft. 3-½in. asphaltic concrete base with 1½-in. Warrenite top pavement; 740 lin. ft. curb; 1420 sq. ft. gutter and 3700 sq. ft. walks.

Alley in Block 120, involving 7,000 sq. ft. grading and 7,000 sq. ft. 6-in. cement concrete pavement.

Alley in Block 98, involving 7,000 sq. ft. grading and 7,000 sq. ft. 6-in. cement concrete paving.

E St. between Merced and Calaveras, involving 15,380 sq. ft. 4-in. sidewalks. Wm. Stranahan, city engineer.

SACRAMENTO, Cal.—Until April 6, 9 P. M., bids will be received by city commissioners to improve:

Bret Harte Court between 36th and Sacramento Blvd., involving 1049 lin. ft. concrete curb; 355 lin. ft. 8-in. and 50 lin. ft 6-in. vitrified sewer; 1 concrete manhole; 23 ¾-in. water services; 381 cu. yds. excavation and 10,500 sq. ft. asphaltic concrete pavement.

48th St between J and Folsom Blvd., involving 4011 lin. ft. concrete curb and gutter; 31 lin. ft. concrete curb; 10 cast iron gutter drains; 3 concrete manholes; reconstructing 4 concrete manholes; 1270 lin. ft. 6-in. vitrified sewer pipe; 56 ¾-in. water services; 775 cu. yds. excavation; 82 cu. yds. fill; 42,971 sq ft. asphaltic concrete pavement.

Alley between L and M, 2nd and 3rd Sts., involving 80 ft. concrete retaining wall; 51 cu. yds. excavation; 14 cu. yds. fill, and 6440 sq. ft. 5-in. hydraulic concrete pavement. Albert Givan, city engineer.

SACRAMENTO, Cal.—City Engineer Albert Givan, completes specifications to improve 29th St. between R and Y Sts., involving 4569 lin. ft. concrete curb and gutter; 512 ft. concrete curb; 7 concrete manholes; 2 concrete catchbasins; 10 cast iron gutter drains; 336 lin. ft. 6-in. vitrified sewer pipe; 1140 yds. excavation; 380 yds. fill; and 120,679 sq. ft. asphaltic concrete pavement.

BUSINESS OPPORTUNITIES

North American Rubber Co., 3100 Downing St., Denver, Colo., desires to communicate with some Pacific Coast companies from whom they could buy crude rubber.

August Borgen, Guernsey, Sask., Canada, is in the market for a barley crisp machine, No. 2.

G. Corella Jr., P. O. Box 1175, Nogales, Ariz., desires to communicate with San Francisco firms dealing in creamery machinery.

PORTLAND CEMENT HOLDINGS HEAVIER

Stocks of finished Portland cement in the United States at the close of January were 13,148,000 barrels, according to United States geological survey, compared with 10,300,000 barrels on the same date last year.

Production for January, 1922, of 4,052,000 barrels was slightly under that of coresponding month last year, when 4,098,000 barrels were reported. Largest production since the beginning of 1921 was in last October, 10,506,000 barrels.

Shipments for January were 2,829,000 barrels, against 2,539,000 barrels for January, 1921. In August, 1921, shipments reached the high point of 12,310,000 barrels.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

$2,500 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
1038	Chase	Sieb	5000
1039	Danziger	Danziger	6500
1040	Franklin	Sandberg	5000
1041	Lewis	Schwarz	4000
1042	Bose	Owner	2950
1043	Urban	Owner	7000
1044	Judson	Mangels	6000
1045	Metlean	Owner	2000
1046	Wegner	Wegner	3600
1054	Federal	Mosler	104738
1055	Clifford	Gott	10000
1056	Kelly	Hansen	22000
1058	Savage	Owner	35000
1063	Crocker	Samuelson	3900
1064	Sandberg	Owner	8000
1066	Lewin	Mulcahy	21955
1067	Lewin	Lauson	1750
1068	Smith	——	50600
1074	Faber	Owner	28000
1075	Wissman	Meyer	3000
1076	Same	Same	3000
1077	Friedle	Owner	37500
1079	Parker	Owner	4000
1082	Erickson	Owner	2800
1083	Nelson	Owner	8000
1084	Daves	Hamill	4000
1085	Herlihy	Little	3000
1086	Harter	Owner	30000
1088	Sharon	Taylor	10000
1089	Ayers	Miller	3500
1092	Nelson	Owner	4000
1093	Holm	Moran	3250
1094	Getz	Owner	5000
1096	McCook	Owner	35000
1097	Haberlin	Owner	5400
1099	Lavell	Hjul	26000
1100	Duttke	McLean	4000
1101	Esmiol	Ponsere	3350
1102	Fitzgerald	Owner	15000
1103	Wissman	Meyer	9000
1104	Anglo	International	2693
1105	Voorhies	Vaarhies	10000
1106	Same	Same	10000
1109	Micheletti	Filippis	4500
1110	Micheletti	Filippis	9000
1112	Figone	Del Favero	27000
1113	Neal	Owner	30000
1114	England	Meyer	16000
1115	Morris	Owner	7000
1117	Merchant	Owner	7000
1118	Gullmes	Owner	2500
1119	Bothe	Owner	2500
1120	Young	Page	2800
1121	Austin	Arnott	2375
1122	Arata	Costello	11750
1123	Yates	Yates	11500
1124	Lacey	Vanucci	2631
1125	Lacey	Steur	4500
1126	Bender	Wilson	4000
1129	Cole	Nelson	5000
1130	Sack	Owner	8000
1131	Curry	Nelson	4000
1132	Weinstein	Forharty	3700
1133	Von Bostel	Merritt	2000
1134	Williams	Nelson	4000
1135	Sjogren	Owner	2950
1136	Hantzsche	Owner	5000
1137	De Martini	Owner	6000
1138	Hayes	Owner	4000
1140	Magnuson	Magnuson	18000
1141	Billon	Olson	9000
1146	Ferreiras	New Era	2500
1148	Ferreiras	New Era	10000
1149	Fiske	Owner	4000
1152	Maynard	Nelson	4000
1156	Sutliet	Tarbitt	7000
1157	Urban	Owner	10000
1158	Greninger	Owner	11900
1159	Century	Heyer	26000
1160	Murphy	Carlson	7570
1161	Ruth	Mangels	14600
1162	Bender	Wilson	9000
1163	England	Meyer	18000
1164	Peterson	Owner	6500
1165	Higginson	Owner	8000
1166	Tyler	Owner	20000
1167	Guittard	Taylor	6000
1168	Delaclo	Ferrier	3600
1169	Sparge	Berge	4500
1170	Nielsen	Jensen	6000
1171	Hay	Ludwig	4000
1172	Conners	Ferroni	2675
1173	Levy	Owner	12000
1174	Fielel	Fielel	5000
1175	Hamburger	Fontanella	1358
1181	Micheletti	Filippis	4700
1182	Same	Same	9000
1183	Anglasay	Cuneo	8000
1184	Cal. Academy	Clinton	84933

ALTERATIONS
(1038) NO. 459 CASTRO. Remove lower flat and alter for store front.
Owner—Dr. W. J. Chase, Premises.
Architect—None.
Contractor—C. E. Sieb, 2664 Folsom St., San Francisco. $5000

ADDITION
(1039) E DIVISADERO 87-6 S McAllister. Add one-story (steel and concrete) to public garage.
Owner—Mrs. I. D. Danziger, 700 Broderick St., San Francisco.
Engineer—L. H. Nishkian, Monadnock Bldg., San Francisco.
Contractor—C. R. Danziger, 417 Montgomery St., San Francisco. $6500

ALTERATIONS
(1040) FOURTEENTH & NOE. Rearrange partitions; plumbing, etc.
Owner—Franklin Hospital, Premises.
Designer—Sandberg & Essmann, 501 4th St., San Francisco.
Contractor—Sandberg & Essmann, 501 4th St., San Francisco. $5000

STORES
(1041) NE FILLMORE AND WILMOT One-story frame stores.
Owner—C. Lewis, 366 Sacramento St., San Francisco.
Designer—Chas. Schwarz, 1440-A Hyde St., San Francisco.
Contractor — Chas. Schwarz, 1440-A Hyde St., S. F. $4000

DWELLING
(1042) E LONDON 200 S Excelsior. One-story and basement frame dwelling.
Owner—Bose & Weppner, 425 Brazil Ave., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Day's work. $2950

RESIDENCE
(1043) SE PICO AND URBANO DRIVE. Two-story and basement frame residence.
Owner—Urban Realty Improvement Co., 85 Cerritos Ave., San Francisco.
Architect—Gustave Stahlberg, 85 Cerritos Ave., San Francisco.
Day's work. $7000

RESIDENCE
(1044) W SANTA PAULA 122 N Terrace Drive. Two-story and basement frame residence.
Owner—Paul Judson, Phelan Bldg., San Francisco.
Architect—Henry H. Gutterson, 274 Post St., San Francisco.
Contractor—Mangels Bros., 4792 Mission St., San Francisco. $6000

RESIDENCE
(1046) N TWENTY-THIRD 305-6 W Sanchez. Two-story and basement frame residence.
Owner—Emma M. Wegner, 3950 23rd St., San Francisco.
Architect—None.
Contractor—Chas. C. J. Wegner, 3950 23rd St., San Francisco. $3600

VAULT WORK
(1054) NW BATTERY AND SACRAmento W 275xN 119-6. Certain vault work for bank.
Owner—Federal Reserve Bank.
Architect—Geo W. Kelham, Sharon Bldg., San Francisco.
Engineers—E. A. Strauss & Son.
Contractor—The Mosler Safe Co., 625 Market St., San Francisco.
Filed Mar. 17, 22. Dated Feb. 15, '22.
Monthly payments of..... 75%
10 days after 25%
TOTAL COST, $104,738
Bond, $52,369. Surety, Fidelity & Deposit Co. of Maryland. Limit, as required. Forfeit, none. Plans and specifications filed.

RESIDENCE
(1055) LOTS 14 AND 15 Lyon & Hoags Sbdvn Ashbury Terrace. All work for two-story frame residence.
Owner — Fred W. and Mabel Clifford, 884 Folsom St., San Francisco.
Architect—None.
Contractor—Willis L. Gott, 681 3rd Ave., San Francisco.
Filed Mar. 17, '22. Dated Mar. 9, '22.
NOTE:—Permit applied for today.
1st floor joists set.....$1000
Frame up 1250
Roof on and brown coated..... 1500
Plaster finished 1250
Inside trim ½ up..... 1250
Completed and accepted..... 1250
Usual 75 days..... 2500
TOTAL COST, $10,000
Bond, $5000. Surety, Republic Casualty Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
(1056) S O'FARRELL 195-3 W Taylor W 57-9xS 137-6. Concrete, reinforcing steel, carpentry, mill, hardwood floors and rough hardware for five-story and basement building (20 apartments).
Owner—Frank S. Kelly.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—F. L. Hansen, 251 Kearny St., San Francisco.
Filed Mar. 17, '22. Dated Mar. 14, '22.
On 1st of each month..... 75%
Usual 35 days, 25%.....$5500
TOTAL COST, $22,000
Bond, $11,000. Sureties, Ella M. Hansen and Frank Davison. Limit, 120 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
(1058) NE CALIFORNIA & SEVENteenth Ave. Two-story and basement frame (8) apartments.
Owner—W. A. Savage, 81 7th Ave., San Francisco.
Architect—C. O. Clausen, 1127 Hearst Bldg., San Francisco.
Contractor—W. A. Savage, 81 7th Ave., San Francisco. $35,000

DWELLING
(1063) SE AMAZON AND NAPLES. One-story and basement frame dwelling.

Owner—Crocker Estate Co., 525 Crocker Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 290 Rolph St., San Francisco. $3900

FLATS
(1064) W SIXTEENTH AVE. 25 S Anza. Two-story and basement frame (2) flats.
Owner—Hulda Sandberg, 1141 Lake St., San Francisco.
Architect—None.
Contractor—Sandberg & Essmann, 501 4th St., San Francisco. $8000

STORE BUILDING
(1066) S O'FARRELL 82-6 E Fillmore E 55xS 120. All work except plumbing for a 1-story brick, concrete and frame store building.
Owner—Leon Lewin.
Architect—Samuel Lightner Hyman, 68 Post St., San Francisco.
Contractor—Thos. F. Mulcahy.
Filed Mar. 18, '22. Dated Mar. 17, '22
Brick wall is story high and roof trusses set on walls....$5488
Brown coated, brick work done and cement floor in factory laid and roof completed..... 5488
Completed and accepted..... 5488
Usual 35 days..... 5491
TOTAL COST, $21,955
Bond, $10,997.50. Sureties, B. Mulcahy and Arthur Elvin. Limit, 75 days. Forfeit, none. Plans and specifications filed.

(1067) PLUMBING ON ABOVE.
Contractor—Lawson & Drucker.
Filed Mar. 18, '22. Dated Mar 17, '22
Roughing in completed.....$740
Completed and accepted..... 500
Usual 35 days..... 500
TOTAL COST, $1740
Bond, $870. Sureties, O. Monson and M. G. Zelinsky. Limit, 75 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
(1068) NE SUTTER AND TAYLOR. Six-story and basement brick (20) apartments.
Owner—Geo. P. Smith.
Architect—Edward T. Foulkes, 1106 Crocker Bldg., San Francisco.
Day's work. $50,600

APARTMENTS
(1074) S BROSNAN 230 W Valencia. Three-story and basement frame (12) apartments.
Owner—H. Faber, % Architect.
Architect—Frederick W. Quandt, Monadnock Bldg., San Francisco.
Day's work $28,000

DWELLING
(1075) N CABRILLO 70 W 22nd Ave. One-story and basement frame dwelling.
Owner—H. Wissman, 2251 Clement St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $3000

DWELLING
(1076) NW CABRILLO & TWENTY-second Ave. One-story and basement frame dwelling.
Owner—H. Wissman, 2251 Clement St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $3000

ALTERATIONS
(1077) FORTY-NINTH AVE., bet. Fulton and Cabrillo. Remodel figure eight coaster; building deeper dips; increasing height of incline, etc.
Owner—Friedle & Looff, 790 Great Highway, San Francisco.
Architect—Arthur Looff, 790 Great Highway, San Francisco.
Day's work. $37,500

DWELLING
(1079) S MERCED AVE. 55 W 7th. Two-story and basement frame dwelling.
Owner—C. F. Parker, 1315 6th Ave., San Francisco.
Architect—Harold G. Stoner, 219 First National Bank Bldg., San Francisco
Day's work. $4000

DWELLING
(1082) N RICHLAND AVE. 228-7 E Leese. One-story and basement frame dwelling.
Owner—Hedlind Erickson, 257 Richland Ave., San Francisco.
Architect—None.
Day's work. $2800

FLATS
(1083) W SEVENTEENTH AVE. 225 S Anza. Two-story and basement frame (2) flats.
Owner—F. Algot Nelson, 205 Eureka St., San Francisco.
Architect—None.
Day's work. $8000

DWELLING
(1084) E THIRTY-THIRD AVE. 100 N Anza. One-story and basement frame dwelling.
Owner—Alex. N. Daves, 6138 Geary St., San Francisco.
Architect—None.
Contractor—Thos. Hamill, 6140 Geary St. San Francisco. $4000

DWELLING
(1085) W THIRTY-NINTH AVE. 260 N Fulton. One-story and basement frame dwelling.
Owner—A. P. Herlihy.
Architect—Milton Morrison, 716 41st Ave., San Francisco.
Contractor—Moses Little, 375 7th Ave., San Francisco. $3000

APARTMENTS
(1086) N GEARY 108 E Commonwealth Ave. Three-story and basement frame (8) apartments.
Owner—T. D. Harter, 77 O'Farell St., San Francisco.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Day's work. $30,000

ALTERATIONS
(1088) NO. 55 NEW MONTGOMERY. Install terra cotta tile partitions in 6th, 7th and 8th floors for offices
Owner—Sharon Estate Co., Premises.
Architect—None.
Contractor—Taylor & Goericke, Sharon Bldg., San Francisco. $10,000

ALTERATIONS
(1089) NO. 112 CHATTANOOGA. Alterations and minor additions for two flats.
Owner—Ayers, Premises.
Plans by Owner.
Contractor—Fred Miller, 225 Dolores St., San Francisco. $3500

DWELLING
(1092) W FORESTSIDE AVE 81 N Vicente. Two-story and basement frame dwelling.
Owner—Fernando Nelson & Sons, Inc., 2 West Portal Park, San Francisco
Architect—None.
Day's work. $4000

DWELLING
(1093) W TWENTY-SIXTH AVE 240 N Clement. One-story and basement frame dwelling.
Owner—R. C. Holm, 1777 Union St., San Francisco.
Architect—None.
Contractor—Harry Moran, 778 10th Ave., San Francisco. $3250

FRAME STORE
(1094) S GEARY 50 E 15th Ave. One-story frame store.
Owner—Sol Getz & Sons, SW 24th Ave. and Lincoln Way, S. F.
Plans by Owner.
Day's work. $5000

APARTMENTS
(1095) E LARKIN 68-9 S Washington. Three-story and basement frame (12) apartments.
Owner—J. J. McCook.
Architect — O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Day's work. $35,000

DWELLINGS
(1097) W LANE 25, 50 and 75 S Oakdale. Thre one-story and basement frame dwellings.
Owner—Emma C. Haberlin, 488 Railroad Ave., San Francisco.
Architect—None.
Day's work. $1800 each

GARAGE
(1099) N O'FARRELL 158 W Hyde Two-story reinforced concrete garage and repair shop.
Owner—Tom Lavell.
Engineer—J. H. Hjul, 850 Monadnack Bldg., San Francisco.
Contractor—J. H. Hjul, 850 Monadnock Bldg., San Francisco. $26,000

DWELLING
(1100) W SEVENTEENTH AVE 125 S Cabrillo. One-story and basement frame dwelling.
Owner—A. J. Duttke, 1801 Spreckels Bldg., San Francisco.
Architect—None.
Contractor—R. A. McLean, 761 17th Av., San Francisco. $4000

ALTERATIONS
(1101) NO. 1317 STOCKTON. Raise and make alterations for store and hall.
Owner—A. Esmiol, 1303 Stockton St., San Francisco.
Architect—None.
Contractor—J. Ponsero. $3350

FRAME FLATS
(1102) W TWENTIETH AVE 200 and 225 S Cabrillo. Two two-story and basement frame (2 in each) flats.
Owner—Otto N. Fitzgerald, 627 15th Ave., San Francisco.
Architect—None.
Day's work. $7500 each

DWELLINGS
(1103) W TWENTY-SECOND AVE 24-11, 49-9 and 74-7 N Cabrillo. Three one-story and basement frame dwellings.
Owner—H. Wissman, 2251 Clement St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $3000 each

STEEL SASH, ETC.
(1104) W SANSOME 46-10⅞ m or l N Sutter N 91-6xW 122-9. Steel sash and frames and finish hardware for same for one-story Class A bank building.
Owner—Anglo & London Paris Nat'l. Bank, Sansome & Sutter, S. F.
Architect — Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor — International Casement Co., Inc., Hearst Bldg., S. F.
Filed Mar. 20, '22. Dated Feb. 10, '22.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $2623
Bond, $1347. Surety, Fidelity & Deposit Co. of Maryland. Limit, 100 days. Forfeit, none. Plans and specifications filed.

BUILDING
(1105) W FOURTEENTH AVE 264 S Anza. All work for building

Owner—Voorhies-Newman Co., 50 Divisadero St., San Francisco.
Architect—None.
Contractor—W. R. Voorhies, 50 Divisadero St., San Francisco.
Filed Mar. 20, '22. Dated Mar. 20, '22.
Completed and accepted.....$10,000
TOTAL COST, $10,000
Bond, limit, forfeit, plans and specifications, none.

BUILDING
(1106) W FOURTEENTH AVE 289 S Anza. All work for building.
Owner—Voorhies-Newman Co., 50 Divisadero St., San Francisco.
Architect—None.
Contractor—W. R. Voorhies, 50 Divisadero St., San Francisco.
Filed Mar. 20, '22. Dated Mar. 20, '22.
Completed and accepted.....$10,000
TOTAL COST, $10,000
Bond, limit, forfeit, plans and specifications, none.

DWELLING
(1109) E FRANKLIN 87-6 N Lombard. One-story and basement frame dwelling.
Owner—Estate of P. Micheletti, % Architect.
Architect—August G. Headman, Call Bldg., San Francisco.
Contractor—V. Filippis, 957 Union St., San Francisco. $4500

RESIDENCE
(1110) S LOMBARD 183-6 E Octavia. One-story and basement frame residence.
Owner—Estate of P. Micheletti, % Architect.
Architect—August G. Headman, Call Bldg., San Francisco.
Contractor—V. Filippis, 957 Union St., San Francisco. $9000

FLATS
(1112) N GEARY 30 N W 22nd Ave. Three-story frame (4) flats.
Owner—A. Figone, 827 Filbert St., San Francisco.
Architect—None.
Contractor—Del Favero & Rasori, 180 Jessie St., San Francisco. $27,000

APARTMENTS
(1113) S PINE 185 W Leavenworth. Three-story and basement frame (2) apartments.
Owner—L. J. Neal, 364 Page St., San Francisco.
Architect—E. H. Denke, 1317 Hyde St., San Francisco.
Day's work. $30,000

FLATS
(1114) W TWENTY-FIRST AVE. 155 and 180 S Cabrillo. Two 2-story and basement frame (2 in each) flats.
Owner—J. O. England, 585 36th Ave., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $8,000 each

FLATS
(1115) W EIGHTH AVE 180 S Balboa. Two-story and basement frame (2) flats.
Owner—A. T. Morris, 501 11th Ave., San Francisco.
Architect—None.
Day's work. $7000

FLATS
(1117) W GUERRERO 40 S 18th. Two-story and basement frame (2) flats.
Owner—C. T. Merchant, 67 Ramona St., San Francisco.
Architect—None.
Day's work. $7000

DWELLING
(1118) N JERSEY 200 E Church. Two-story and basement frame dwelling
Owner—V. Gullmes, 1828 Castro St., San Francisco.
Architect—None.
Day's work. $2500

DWELLING
(1119) E LATONA 175 S Bayview. One and one-half story and basement frame dwelling.
Owner—Reinhold Bothe, 1515 Railroad Ave., San Francisco.
Architect—None.
Day's work. $2500

DWELLING
(1120) E PLYMOUTH AVE. 96 N Minerva. One-story and basement frame dwelling.
Owner—James Young, 70 Minerva Ave, San Francisco.
Architect—None.
Contractor—C. W. Page, 12 Sadowa St., San Francisco. $2800

BUNGALOW
(1121) S FLOOD AVE. 100 W Edna W 25xS 112-6 Lot 40 Blk. 18, Sunnyside. All work for a four-room bungalow.
Owner—Henry W. Austin.
Plans by owner.
Contractor—James Arnott & Son, 4165 20th St., San Francisco.
Filed Mar. 21, '22. Dated Dec. 1, '21
30 days after frame up.....25%
30 days after brown coated.....25%
30 days after completed and accepted 25%
35 days thereafter.....25%
TOTAL COST, $2,375
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FLATS
(1122) W DOLORES 52 N Twenty-second St. All work for two-story frame building (2) flats.
Owner—A. L. Arata, 821 Capp St., San Francisco.
Architect—None.
Contractor—Costello Bros., 18 Ney St., San Francisco.
Filed Mar. 21, '22. Dated Mar. 21, '22.
Frame up $2350
White coated 2350
Completed 2350
Usual 35 days. 4700
TOTAL COST, $11,750
Bond, limit, forfeit, none. Plans and specifications filed.

APARTMENTS
(1123) W CLAYTON 85-5⅞ S Parnassus Ave S 31-9 W 63 N 31-8. All work for two-story and basement frame (4) apartments.
Owner—W. H. Yates and E. A. Cooke, 124A Parnassus Ave., S. F.
Plans by Yates & Cooke.
Contractor—W. H. Yates, 124-A Parnassus Ave., San Francisco.
Filed Mar. 21, '22. Dated Mar. 21, 22.
90% as work progresses until ¾ of contract paid .. ..
30 days after.....$2875
TOTAL COST, $11,500
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications, none

APARTMENTS
(1124) W HYDE 137-6 N Ellis 22-6x 87-6. Grading, cement work and concrete work for three-story and basement reinforced concrete apartment building.
Owner—E. V. Lacey, 180 Jessie St., San Francisco.
Architect—J. C. Hladik, Monadnock Bldg., San Francisco.
Contractor—L. Vannucci, 16th and Church Sts., San Francisco.
Filed Mar. 21, '22. Dated Mar. 21, '22.
Floor laid $657.75
Ready for roof..... ..... 657.75
Completed and accepted..... 657.75
Usual 35 days..... 657.75
TOTAL COST, $2631
Bond, none. Limit, 3 days. Forfeit, plans and specifications, none

(1125) ALL CARPENTER WORK ON above.
Contractor—Jas. Steur, 1409 Geary St., San Francisco.
Filed Mar. 21, '22. Dated Mar. 18, '22.
2nd floor joists in place.....$ 875
Ready for last story pouring... 750
Rough floors laid and roof on.. 750
Completed and accepted..... 1000
Usual 35 days..... 1125
TOTAL COST, $4500
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

DWELLINGS
(1126) E ASHTON AVE 75 and 100 N Holloway. Two one-story and basement frame dwellings.
Owner—Edward W. Bender,% Westonia Apartments, O'Farrell & Broderick Sts., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Wilson & Benson, 336 Ashton Ave., S. F. $2000 each

ALTERATIONS
(1127) SE CLEMENT AND FOURTH Ave. Remodel one-story frame market.
Owner—Graeber & Son, Premises.
Architect—None.
Contractor—A. L. Thulin Co., 242 18th Ave., San Francisco. $2000

DWELLING
(1128) S CORDOVA 75 E Munich. One story and basement frame dwelling
Owner—C. M. Jacobsen, 112 Tucker Ave., San Francisco.
Designer—J. C. Jacobsen, 112 Tucker Ave., San Francisco.
Contractor—J. C. Jacobsen, 112 Tucker Ave., San Francisco. $2000

RESIDENCE
(1129) SE COLON AND MONTEREY Blvd. One-story and basement frame residence.
Owner—L. W. Cole, 63 First St., San Francisco.
Architect—Chas. F. Strotheff, 2274 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco. $5000

ADDITION
(1130) SW FORTY-SIXTH AVE AND Lincoln Way. Addition for two flats over store.
Owner—Geo. Sack, 4501 Lincoln Way, San Francisco.
Architect—Dodge A. Reidy, 805 Pacific Bldg., San Francisco.
Day's work $8000

DWELLING
(1131) E HAZELWOOD 41 S Flood. One-story and basement frame dwelling.
Owner—C. E. Curry, Palo Alto.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor — Nelson Bros., 1375 Plymouth Ave., San Francisco. $4000

ALTERATIONS
(1132) NO. 1041-1045 MARKET. Rearrange front of department store; erect new partition.
Owner—Weinstein Co., Premises
Architect—None.
Contractor—Fred Forharty $3700

DWELLING
(1134) E PLYMOUTH AVE. 143 S Greenwood. One-story and basement frame dwelling.
Owner—R. F. Williams, 905 Rialto Bldg., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco. $4000

DWELLING
(1135) E TWENTY-THIRD AVE. 275 S Anza. One-story and basement frame dwelling.

Owner—F. O. Sjogren, 3861 26th St., San Francisco.
Architect—None.
Day's work. $2950

DWELLING
(1136) W THIRTY-SECOND AVE. 250 N Geary. Two-story and basement frame dwelling.
Owner—G. M. Hantzsche, 528 31st Ave., San Francisco.
Architect—None.
Day's work. $5000

FLATS
(1137) N VALLEJO 68 E Powell. Two-story and basement frame (2) flats.
Owner—Mrs. G. B. DeMartini, 770 Vallejo St., San Francisco.
Architect — Paul F. DeMartini, 946 Broadway, San Francisco.
Day's work. $6000

DWELLING
(1138) S ANZA 90 E 39th Ave. One-story and basement frame dwelling
Owner—J. C. Hayes, 7333 Geary St., San Francisco.
Plans by owner.
Day's work. $4000

FLATS
(1140) S CALIFORNIA 58, 83 and 115 E 21st Ave. Three 2-story and basement frame (2 in each) flats.
Owners—A. Magnuson and A. Peterson, 221 Uoe St., San Francisco.
Architect—J. J. Foley, 770 5th Ave., San Francisco.
Contractor—A. Magnuson, 221 Noe St., San Francisco. $6000 each

FLATS
(1141) N CALIFORNIA 56 E 18th Ave. Two-story and basement frame (2) flats.
Owner—Mrs. John Billon, 89 Broadway, San Francisco.
Architect—E. A. Herman, 89 Broadway, San Francisco.
Contractor—Andrew Olson, 289 Fell St., San Francisco. $9000

RESIDENCE
(1146) NE HOLLY PARK CIRCLE and Park Sts. One-story and basements frame residence.
Owner—L. Ferreiras, 32 Mission St., San Francisco.
Architect—None.
Contractor—New Era Building Co., 3289 Mission St., S. F. $2500

DWELLINGS
(1148) E HOLLY PARK CIRCLE 25, 50, 75 and 94 E Holly Circle. Four 1-story and basement frame dwellings.
Owner—L. Ferreiras, 3289 Mission St., San Francisco.
Architect—None.
Contractor—New Era Building Co., 3289 Mission St., S. F. $2500 each

RESIDENCE
(1149) N KIRKHAM 125 W 9th Ave. One-story and basement frame residence.
Owner—Fred Fiske, 1363 8th Ave., San Francisco.
Architect—None.
Day's work. $4000

DWELLING
(1152) E PLYMOUTH AVE 109 S Greenwood. One-story and basement frame dwelling.
Owner—G. W. Maynard, 1490 6th Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contracter — Nelson Bros., 1375 Plymouth Ave., S. F. $4000

FLATS
(1156) N TWENTY-EIGHTH 200 W Guerrero. Two-story and basement frame (2) flats.
Owner—Mr. and Mrs Sutilef, 302 30th St., San Francisco.
Architect—None.
Contractor—Jas. Tarbitt, 356 Fair Oaks Ave., San Francisco. $7000

RESIDENCES
(1157) E URBANO DRIVE 194 and 244 W Pico. Two one-story and basement frame residences
Owner—Urbano Realty Improvement Co., 85 Cerritos Ave., S. F.
Architect—Gustave Stahlberg, 85 Cerritos Ave., San Francisco.
Day's work. $5000 each

APARTMENTS
(1158) W BUCHANAN 113-6 N Herman. Two-story and basement frame (4) apartments.
Owner—Edw. W. and Eugene R. Greninger, 922 Valencia St., S. F.
Architect—Frederick G. Munk Jr., 58 Francis St., San Francisco.
Day's work. $11,900

ADDITION
(1159) NW SUTTER & KEARNY STS. Addition of three story steel frame for lofts.
Owner — Century Realty Co., 200 Kearny St., San Francisco.
Architect—G. A. Lansburgh, 709 Mission St., San Francisco.
Contractor—Chas. W. Heyer Jr., Mills Bldg., San Francisco. $25,000

RESIDENCE
(1160) LOT 43 BLK 2864, Forest Hill. All work except painting, plumbing and heating for two-story frame residence.
Owner—C. H Murphy, 118 Lyon St., San Francisco.
Architect—Theo. W. Lenzen, Humboldt Bank Bldg., San Francisco.
Contractor—Elmer Carlson 180 Jessie St., San Francisco.
Filed Mar. 22, '22. Dated Mar. 22, '22.
Frame up $1892
Outside walls brown coated.... 1892
Completed and accepted..... 1893
36 days after..... 1893
TOTAL COST, $7570
Bond, $3785. Sureties, F. K. McComber and G. May. Limit, 75 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(1161) LOT 1 BLK. 4, St. Francis Wood. All work for a two-story and basement frame residence and one-story frame garage.
Owner—J. M. Ruth, 139 San Leandro Way, San Francisco.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.
Contractor—Mangels Bros., 4792 Mission St., San Francisco.
Filed Mar. 22, '22. Dated Mar. 20, '22
Frame up and roof boards on..$3650
Brown coated 3650
Completed and accepted..... 3650
Usual 35 days..... 3650
TOTAL COST, $14,600
Bond, $7300. Sureties, Theresa Gamma and Jno. A. F. Steimke. Limit, 100 days. Forfeit, $5.00 day Plans and specifications filed.

RESIDENCES
(1162) E ASHTON 100 N Holloway Ave. S 50xE 100. Two 1-story and basement frame residences.
Owners—Edw. W. and Ada M. Bender, First National Bank Bldg., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Wilson & Benson, 336 Ashton Ave., San Francisco.
Filed Mar. 22, '22. Dated Mar. 9, '22
Frame up, rustic and roof sheating on $2250
Brown coated 2250
Completed and accepted..... 2250
Usual 35 days..... 2250
TOTAL COST, $9,000
Bond, $4500. Sureties, Chas. Monson and Edw. Peterson. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FLATS BUILDINGS
(1163) W TWENTY-FIRST AVE. 155 and 180 S Cabrillo. All work for two 2-story frame buildings (flats)
Owner—J. O. England, 2344 Anza St., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.
Filed Mar. 22, '22. Dated May 11, '22
Frame up $4500
Brown coated 4500
Completed and accepted..... 4500
Usual 35 days..... 4500
TOTAL COST, $18,000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FLATS
(1164) S CALIFORNIA 32-6 W 20th Ave. Two-story and basement frame (2) flats.
Owner—Arvid Peterson, 265 Sanchez St., San Francisco.
Architect—None.
Day's work. $6500

FLATS
(1165) E EIGHTH AVE 325 S Cabrillo Two-stery and basement frame (2) flats.
Owner — Wm. E. Higginson Co., 926 Oak St., San Francisco.
Architect—None.
Day's work. $8000

APARTMENTS
(1166) NW OAK AND SCOTT. Two-story and basement frame (8) apartments.
Owner—Percy D. Tyler, 1438 Cabrillo St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco
Day's work. $20,000

ALTERATIONS
(1167) NO. 2517 PACIFIC AVE. General alterations and repairs to residence.
Owner—Horace Guittard, 2464 Broadway, San Francisco.
Architect—Smith O'Brien, 742 Market St., San Francisco.
Contractor—Taylor & Jackson, 290 Tehama St., San Francisco. $6000

STORE AND FLAT
(1168) NO. 1408 QUESADA AVE. Two-story frame store and flat.
Owner—Mr. Delacio, Premises.
Architect—None.
Contracter — C. Ferrier, 1740 Quesada Ave., San Francisco. $3600

DWELLING
(1169) E THIRTY-FIFTH AVE 125 N Taraval. One-story and basement frame dwelling.
Owner—L. A. Spargo, 51 Levant St., San Francisco.
Architect—None.
Contractor—Julius Berge, 1234 30th Ave., San Francisco. $4500

DWELLING
(1170) SE TERMINATION OF HILdago Terrace bet. 14th and 15th Sts. off Dolores. One-story and basement frame dwelling.
Owner—Edith C. Nielsen, 185 Dolores St., San Francisco.
Architect—None.
Contractor—James Jensen, 550 Valencia St., San Francisco. $6000

REPAIRS
(1171) N TEHAMA 337-6 E Fourth. General repairs and changes on interior of rooming house.
Owner—P. Hay.
Architect—None.
Contractor—A. T. Ludwig, 636 Jessie St., San Francisco. $4000

DWELLING
(1172) W THIRTIETH AVE 225 S Taraval. One-story and basement frame dwelling.
Owner—John F. Conners.
Architect—None.
Contractor — G. Ferroni & Sons, 1926 Filbert St., San Francisco. $2675

ALTERATIONS
(1173) NO. 1317 DIVISADERO. Alterations and additions for six apartments.
Owner—Nate Levy, % Architect.
Architect—Martin A. Sheldon, 110 Sutter St., San Francisco.
Day's work. $12,090

DWELLING
(1174) N DEWEY BOULEVARD 119 E Montalvo. One-story and basement frame dwelling.
Owner—Alice M. Fielel, 574 62nd St., Oakland.
Architect—None.
Contractor—Fred H. Fielel, 574 62d St., Oakland. $5000

FRAME BUILDING
(1181) E FRANKLIN 87-6 N Lombard E 87-6xN 25. All work except shades and electric light fixtures for one-story and basement frame building.
Owner—Estate of P. Micheletti, % Architect.
Supervising Architect — August G. Headman, Call Bldg., S. F.
Contractor—V. Filippis, 957 Union St., San Francisco.
Filed Mar. 23, '22. Dated Mar. 20, '22. Frame up to roof rafters.....$1000
Brown coated 1250
Completed and accepted..... 1300
Usual 35 days..... 1180
TOTAL COST, $4730
Bond, $2850. Surety, Republic Casualty Co. Limit, 90 days. Forfeit, $5. Plans and specifications filed.
NOTE—Permit reported Mar. 22, 1922, 1109.

FRAME BUILDINGS
(1182) S LOMBARD 182-6 E Octavia S 60xE 50. All work except shades and electric light fixtures for two one-story and basement frame buildings.
Owner—Estate of P. Micheletti, % Architect.
Supervising Architect — August G. Headman, Call Bldg., S. F.
Contractor—V. Filippis, 957 Union St., San Francisco.
Filed Mar. 23, '22. Dated Mar. 20, '22. Frames up to roof rafters.....$2000
Brown coated 2350
Completed and accepted..... 2400
Usual 35 days $2250
TOTAL COST, $9000
Bond, $4500. Surety, Republic Casualty Co. Limit, 90 days. Forfeit, $5. Plans and specifications filed.

RESIDENCE
(1183) N DAY 165 E Sanchez E 25xN 114. All work for two-story residence and garage.
Owner—Richard and Eva Anglasay, 258 Day St., San Francisco.
Designer—S. Bido.
Contractor—Antonio Cuneo, 243 Day St., San Francisco.
Filed Mar. 23, '22. Dated Mar. 15, '22. Roof completed $2000
Brown coated 2000
Completed 2000
Usual 35 days 2000
TOTAL COST, $8000
Bond, $8000. Surety, C. Domenico & Jos. Arata. Limit forfeit none. Plans and specifications filed.

AQUARIUM
(1184) IN GOLDEN GATE PARK. Excavating, concrete, reinforcing steel, damp-proofing, structural terra cotta tile partitions, carpentry, millwork, finish hardware, terra cotta roofing, tile roofing and sheet metal work for aquarium.
Owner—California Academy of Sciences Golden Gate Park, San Francisco.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
Contractor—Clinton Construction Co., 140 Townsend St., San Francisco.
Filed Mar. 23, '22. Dated Mar. 13, '22 On 5th each month.....75%
Usual 35 days.....25%
TOTAL COST, $84,933
Bond, $43,000. Surety, New Amsterdam Casualty Co. Limit, 270 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
Mar. 23, 1922—LOT 25x67-4 E 27th Ave 100 N Clement. Edward M Puntney to whom it may concern.. .....Mar. 20, 1922
Mar. 23, 1922—LOT 2 BLK L, Mission Terrace. Mission Terrace Club House Ass'n to Olaf Olsen... .....Mar. 22, 1922
Mar. 23, 1922—S MONTEREY BLVD 25 W Foerster W 25xS 100. John Seppel to Nelson Bros...Mar. 20, 1922
Mar. 23, 1922—W FIRST 50 S Mission S 22xW 75. Luke Fay to Wm Martin .....Mar. 23, 1922
Mar. 23, 1922—W TWENTY-FIFTH Ave 300 N Clement. Lucille A Meyer to Meyer Bros...Mar. 22, 1922
Mar. 22, 1922—THIRD AND TOWNsend. Southern Pacific Co to Mullen Mfg Co.....Mar. 22, 1922
Mar. 22, 1922—SW TENTH AVE AND Cabrillo. O E Denhard to W A Terrill..... ....Mar. 22, 1922
Mar. 22, 1922—W EIGHTEENTH AVE 100 S Anza 519-521 18th Ave. Moses Kleinhaupt to P Algot Nelson..... .....Mar. 22, 1922
Mar. 21, 1922—S POST 90 E Taylor E 47-6xS 75. Marie A Musto to The American Concrete Co..Mar. 20, 1922
Mar. 21 1922—N ANZA bet. 5th and 6th Aves. La Societe Francaise de Bienfaisance Mutuelle to I M Sommer & Co.....Mar. 8, 1922
Mar. 20, 1922—W FOURTEENTH AVE 168 and 192 S Anza. Voorhies Newman Co to W R Voorhies.... .....Mar. 20, 1922
Mar. 20, 1922—SW FILBERT AND Jones W 137-6 S 137-6 W 50 S 137-6 E 142-6 N 137-6 E 45 N 137-6. Union Terrace to Alexander Coleman. Mar. 13; Adam Arras & Co .....Mar. 16, 1922
Mar. 20, 1922—PTN LOT 14 BLK 3138 Westwood Park. Hans and Esther E Nelson to Nelson Bros .....Mar. 16, 1922
Mar. 20, 1922—PTN LOTS 13 and 14 Blk 3138 Westwood Park. Hans and Esther E Nelson to Nelson Bros.....Mar. 16, 1922
Mar. 20, 1922—PTN LOTS 12 and 13 Blk 3138 Westwood Park. Hans and Esther E Nelson to Nelson Bros.....Mar. 16, 1922
Mar. 20, 1922—N PINE No. 2356-2358 bet. Steiner and Fillmore. S Decla to whom it may concern.Mar 20, 1922
Mar 20, 1922 LOT 5 BLK 6, Forest Hill. Charles W Sheppard to J Prout.....Oct. 30, 1921
Mar. 17, 1922—W TWENTY-FIFTH Ave 275 N Clement Jacob M Hansen to Meyer Bros.....Mar. 13, 1922
Mar. 17, 1922—S SIXTEENTH 298-6 E Dolores 52x110, No. 3241-43-45 and 3247 16th St. E V Lacey to whom it may concern..... Mar 15, 1922
Mar 17, 1922—NW GEARY AND Eleventh Ave N 122-6 W 82-6 N 27-6 W 37-6 S 50 E 37-6 S 100 E 82-6. Jacob Weissbein to Theodore G and Rollin E Meyer Mar 17 1922
Mar. 17, 1922—N FILBERT 108 W Divisadero W 26-6xN 137-6. Milton H Crowe to Cameron & Disston... .....March 9, 1922

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Mar. 20, 1922—NE CALIFORNIA & Sppring, Pacific States Hotel. C A Paulden as to improvements on property .....

BUILDING CONTRACTS

ALAMEDA COUNTY

$3,000 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
1160	Romie	Wilson	10000
1161	Leiss	Baker	4725
1162	Post	Muller	3317
1163	Haines	Campomenosi	5000
1164	Woodburn	Owner	3900
1166	Price	Price	4000
1168	Whalen	Owner	3500
1169	Same	Same	3500
1170	Thomas	Owner	4800
1171	Haler	Owner	8000
1172	Sayfield	Wieben	3900
1173	Hornung	Marcefsky	4000
1177	Hasselbeck	Owner	3000
1178	Haler	Owner	9500
1180	De Vaux	Diggs	100000
1181	P G & E	Knights	302
1182	Dewell	Mork	296
1183	Baylis	Henderson	4250
1184	Myers	Owner	4000
1185	Shand	Barr	15000
1187	Dixon	Ahnefeld	3480
1188	Grider	Hendrickson	3470
1191	Graham	Crane	6000
1192	Ludwig	Henderson	3500
1193	Krafft	Owner	4000
1194	Reynolds	Zolski	3000
1195	Graybill	Hyde	3500
1196	Bower	Charleston	4950
1202	Herrick	Christensen	3000
1205	Butler	Lundgreen	6000
1206	Poggi	Benassini	4600
1207	Cal & Ore Lbr	McPherson	5000
1208	Fisher	Owner	5800
1209	Rheburg	Owner	3000
1210	Jacobus	Rollins	7000
1211	Benfer	Owner	4000
1212	Kuys	Owner	8000
1213	Tryer	Williams	6000
1214	Saroni	Pond	5600
1218	Johnson	Owner	4750
1222	Babcock	Littlefield	30866
1224	Berkeley Bldg	Owner	3000
1226	Goodman	Cox	6000
1228	MacMurty	Owner	6000
1229	Reed	Lassen	3700
1231	Muesse	Barr	3500
1234	Grosse	Grosse	6000
1235	Dahner	Bradhoff	3900
1237	King	Owner	3000
1238	Aldrich	Sommarstrom	35000
1239	Davis	Cpl Bldrs.	5000
1243	Peppin	Owner	12000
1244	Same	Same	8000
1247	Smith	Owner	8375
1248	Pfrang	Owner	5000
1249	Diehl	McGinty	7914
1250	Whitehead	McGinty	11795
1251	Durant	Goodmundson	9844
1254	Hischoff	Owner	11000
1256	Kline	McWethy	9000
1257	Lavall	Norlin	3500
1260	Billingsley	Oley	3500
1261	Anderson	Owner	3250
1263	Lochee	Owner	3000
1265	Leonard	Owner	33000
1270	See Yen	Oakland	3000
1271	Newsom	Owner	5000
1272	Bank of Italy	Barrett	30720
1273	Means	Johnson	5000
1274	Lamb	Owner	8000
1275	Huefner	Herman	3000
1278	Rosequist	Owner	3000
1281	Murphy	Owner	4750
1282	Bean	Owner	3500
1288	Pitt	Geary	4400
1289	Foster	Bachand	3230
1291	Quinn	Owner	4000

1293	Motor	Alameda	4750
1295	Noble	Owner	6000
1296	Adams	Johanson	5080
1297	U. of C.	Zelinsky	10500
1298	Durant	Fuller	8164

(1160) NO. 3188 COLLEGE AVE., Berkeley. One-story 6-room stores.
Owner—F. E. Romie, 418 Newton Ave., Oakland.
Architect—None.
Contractor—L. R. Wilson, 2216 Blake St., Berkeley. $10,000

DWELLING
(1161) S ALMA AVE 175 W Chatham Road, Oakland. One-story 6-room dwelling.
Owner—Geo. W. Leiss, 425 Van Dyke Ave., Oakland.
Architect—None.
Contractor—W. J. Baker, 2255 Ransome Ave., Oakland. $4725

REPAIRS
(1162) NO. 1546 BROADWAY, Oakland. Fire repairs.
Owner—Post Land Co.
Architect—None.
Contractor—F. A. Muller, Syndicate Bldg., Oakland. $3317

DWELLING
(1163) W BRIGHTON AVE 210 N E-38th St., Oakland. Two-story six-room dwelling.
Owner—R. H. Haines, 5315 Brighton Ave., Oakland
Architect—None.
Contractor — E. Campomenosi, 5238 Lawton Ave., Oakland. $5000

DWELLING
(1164) W BROOKWOOD ROAD 435 S Trestle Glen Road, Oakland. One-story 6-room dwelling.
Owner—F. L. Woodburn, 155 Parkside Drive, Piedmont.
Architect—None.
Day's work. $3900

STORES
(1165) W COLLEGE AVE 100 N Oak Grove Ave., Oakland. One-story 3-room stores.
Owner—Raymond D. Price, 1731 Tacoma Ave., Berkeley.
Architect—None.
Contractor—Price Bros., 1734 Tacoma Ave., Berkeley. $4000

(1168) NW FORTY-FIFTH & MANILA Oakland. One-story 5-room dwlg.
Owner—Whalen & Carlos, Federal Bldg., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(1169) E MANILA AVE 130 S 49th St., Oakland. One-story 5-room dwelling.
Owner—Whalen & Carlos, Federal Bldg., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(1170) S JAYNE AVE 329 E Euclid, Oakland. One-story 6-room dwlg.
Owner—James K. Thomas, 472 Crescent St., Oakland.
Architect—None.
Day's work. $4800

DWELLINGS
(1171) W PERKINS 309 N Van Buren Oakland. Three one-story 4-room dwellings and garage.
Owner—H. W. Haler, Syndicate Bldg., Oakland.
Architect—None.
Day's work. $2500 each; garage, $500

DWELLING
(1172) W SIXTY-FOURTH AVE 180 S Arthur, Oakland. One-story 5-room dwelling.
Owner—Pearl Saylield, 3124 Arkansas St., Oakland.
Architect—None.
Contractor — Alex C. Wieben, 908 Everett Ave., Oakland. $3900

DWELLING
(1173) LOT 12 BLK 2, Resubdivision Broadmoor, San Leandro. All work for one-story 6-room dwelling.
Owner—Albert M. Hornung, 861 37th St., Oakland.
Architect—None.
Contractor—J. A. Marcefsky, 2220 92nd Ave., Oakland.
Filed Mar. 17, '22. Dated Mar. 16, '22.
Frame up ..... $ 750
Outside completed 900
Inside completed 1000
Usual 35 days..... 1350
TOTAL COST, $4000
Bond, none. Limit, 70 days after Mar. 20. Forfeit, plans and specifications filed.

DWELLING
(1177) E NINETEENTH AVE 28 S E-21st St., Oakland. One-story 5-room dwelling.
Owner—A. M. Hasselbeck, 1326 E-12th St., Oakland.
Architect—None.
Day's work. $3000

DWELLINGS
(1178) W PERKINS 364 N Van Buren, Oakland. Three one-story 4-room dwellings and garages.
Owner—H. W. Hales, Syndicate Bldg., Oakland.
Architect—None.
Day's work. $3000 each, garage, $500

MARKET
(1180) W TELEGRAPH AVE., bet. 19th and Williams Sts., Oakland Two-story brick market.
Owner—Norman De Vaux.
Architect—M. I. Diggs, Easton Bldg., Oakland.
Contractor—M. I. Diggs, Easton Bldg., Oakland $100,0000

PLUMBING
(1181) PTN PLOT F, Undivided Mountain or Hill Land V & D Peralta, Oakland. Plumbing for sub-station.
Owner—Pacific Gas & Electric Co.
Architect—None.
Contractor—Charles W. Knights, 1919 University Ave., Berkeley.
Filed Mar. 18, '22. Dated Mar. 10, '22.
Completed 75%
Usual 35 days..... 25%
TOTAL COST, $302
Bond, $155. Surety, Fidelity & Deposit Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

HEATING SYSTEM
(1182) NO. 830 SANTA BARBARA Road, Berkeley. Heating system.
Owner—H. D. Dewell, 1400 Scenic Ave., Berkeley.
Architect—Joseph J. Rankin, 1st Nat'l. Bank Bldg., San Francisco.
Contractor—Walter Mork, Bristol and San Pablo Ave., Berkeley.
Filed Mar. 18, '22. Dated Mar. 18, '22.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $296
Bond, limit, forfeit, none. Plans and specifications filed.

DWELLING AND GARAGE
(1183) LOWER GRAND LOT 60, Piedmont. One-story 5-room dwelling and garage.
Owner—Edward W. Baylis.
Architect—None.
Contractor — E. F. Henderson, 5744 Keith Ave., Oakland. $4250

DWELLING
(1184) NO. 28 ESTRELLA AVE., Piedmont. One and one-half story dwelling.
Owner—R. M. Myers, 26 Estrella Ave., Piedmont.
Architect—None.
Day's work. $4000

RESIDENCE
(1185) LOT 51 WILDWOOD GARDENS Piedmont. Two and one-half story frame residence.
Owner—R. C. Shand, 141 Hillside, Piedmont.
Architect—None.
Contractor—Barr & Sons, 306 26th St., Oakland. $15,000

DWELLING
(1187) SW ACTON AND BERKELEY Way, Berkeley. One-story 5-room dwelling.
Owner—Alfred Dixon, 1716 Francisco St., Berkeley.
Architect—None.
Contractor—Harry Ahnefeld, 2123 Parker St., Berkeley. $3480

DWELLING
(1188) NO. 1219 ALLSTON, Berkeley. One-story 5-room dwelling.
Owner—N. C. Grider, Mill Valley.
Architect—None.
Contractor—A. Hendrickson, 755 60th St., Berkeley. $3470

DWELLING
(1191) NO. 2515 HILLCOURT, Berkeley. Two-story 6-room dwlg.
Owner—Alice Graham, 642 Jones St., Oakland.
Architec —None.
Contractor—C. B. Crane & Son, 2695 Cedar St., Berkeley. $6000

DWELLING
(1192) NO. 1737 MADERA, Berkeley. One-story 5-room dwelling.
Owner—F. J. Ludwig, 718 60th St., Oakland.
Architect—None.
Contractor—E. F. Henderson, 5744 Keith Ave., Oakland. $3500

DWELLING
(1193) NO. 935 OXFORD ST., Berkeley One-story 6-room dwelling.
Owner—J. W. Krafft, 1904 University Ave., Berkeley.
Architect—None
Day's work. $4000

DWELLING AND STORE
(1194) SE AUSEON AVE. AND PLYmouth, Oakland. One-story 5-room dwelling and store.
Owner—August Reynolds, 485 105th Ave., Oakland.
Architect—None.
Contractor—W. S. Zolski & Bros., 10451 Edes Ave., Oakland. $3000

DWELLING
(1195) N BROOKDALE 80 W Renwick, Oakland. One-story 5-room dwelling.
Owner—Wm. B. Graybill, 2203 9th Ave, Oakland.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Day's work. $3500

DWELLING
(1196) NE BROOKWOOD & STRATford Road, Oakland. One-story 5-room dwelling.
Owner—A. Bower, 650 55th St., Oakland.
Architect—None.
Contractor—C. E. Charleston, 5627 Genoa St., Oakland. $4950

MACHINE SHOP
(1202 EIGHTEENTH & CAMPBELL, Oakland. One-story machine shop.
Owner—S. S. Herrick, Foot Adeline St., Oakland.
Architect—None.
Contractor—H. J. Christensen, Federal Bldg., Oakland. $3000

ALTERATIONS
(1205) NO. 747 FIFTY-FOURTH ST., Oakland. Alterations.
Owner—Mrs. M. E. Butler, premises.
Architect—None

Contractor—A Lundgren, 2384 Curtis St., Berkeley. $6000

DWELLING
(1206) N FORTY-SEVENTH 200 W Grove, Oakland. Two-story 5-room dwelling.
Owner—D. Poggi, 476 42nd St., Oakland.
Architect—None.
Contractor Pio Benassini. $4600

DRY KILN
(1207) FOOT KIRKHAM ST., Oakland. One-story dry kiln.
Owner—California & Oregon Lumber Co., premises.
Architect—None.
Contractor—Stephen McPherson, 2151 Ashby Ave., Berkeley. $5000

DWELLING AND GARAGE
(1208) N LAKESHORE AVE. 120 W Spring Ave., Oakland. Two-story 6-room dwelling and garage.
Owner—Harry P. Fisher, Syndicate Bldg., Oakland.
Architect—None.
Day's work. $5800

DWELLING
(1209) S MONTANA 226 E Peralta Ave., Oakland. One-story 5-room dwelling.
Owner—C. J. Rheburg, 1356 E-28th St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(1210) N MANDANA 200 E Ashmount, Oakland. Two-story 7-room dwelling.
Owner—H. E. Jacobs, 357 Athol Ave., Oakland.
Architect—None.
Contractor—E. E. Rollins, 357 Athol Ave, Oakland. $7000

DWELLING
(1211) E MIRA VISTA 130 N Bonham Way, Oakland. Two-story 6-room dwelling.
Owner—Myron Benfer, 1805 Alice St. Oakland.
Architect—None.
Day's work. $4000

DWELLINGS
(1212) W MONTTICELLO AVE., 80 & 120 N Brookdale, Oakland. Two-1-story dwellings.
Owner—A. T. Kuys, 2743 Alcatraz Ave., Berkeley.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Day's work. $4000 each

DWELLING
(1213) S ROSEMONT ROAD W North Vale, Oakland. Two-story 7-room dwelling.
Owner—Mrs Florence Tryer, 7 Van Buren Court, Oakland.
Architect—None.
Contractor—Chas. C Williams. $6000

DWELLINGS
(1214) E SIXTY-SIXTH AVE. 800 and 830 No E-14th St., Oakland. Two 1 story 5-room dwellings.
Owner—L. Saroni, 806 Howard St., San Francisco.
Architect—None.
Contractor—C P. Pond 1163 Ashmount Ave. Oakland. $2800 each

DWELLING
(1218) E WESLEY AVE. 60 S Cleveland, Oakland One-story 6 room dwelling.
Owner—Johnson Bros 530 13th St., Oakland
Architect—None.
Day's work. $4750

BUILDING
(1222) PT. 103 N of NE FOURTEENTH and Webster Sts., Oakland. One-story reinforced concrete auto sales building.
Owners—Allen H. and George R. Babcock, 240 Grand, Oakland.
Architects—Frederick H. Meyer and Albin R. Johnson, Bankers Investment Bldg., Oakland.
Contractor—Roscoe W. Littlefield, 357 12th St., Oakland.
Filed Mar. 20, '22. Dated Mar. 17, '22
First each month.....75%
Usual 35 days 25%
TOTAL COST, $30,866
Bond, $15,433. Sureties, Carl T. Doell and John C. Broadie. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1224) NO. 1804 CATALINA, Berkeley One-story 5-room dwelling.
Owner—Berkeley Building Co., Colusa and Solano Sts., Berkeley.
Architect—None.
Day's work. $3000

DWELLING
(1226) NO. 1035 MARIPOSA, Berkeley. Two-story 6-room dwelling.
Owner—L. H. Goodman, 1410 Milvia St., Berkeley.
Architect—None.
Contractor—Cox Bros., 2212 Broadway, Berkeley. $6000

DWELLINGS
(1228) SE AUSEON AVE AND DOWLing; E Auseon 77 S Dowling; E Auseon 114 S Dowling, Oakland. Three one-story 4-room dwellings
Owner—A. B. MacMurty, 1512 27th Ave. Oakland.
Day's work. $2000 each
Architect—None.

STORES
(1229) W COLLEGE AVE. 180 S Lawton Ave., Oakland. One-story stores.
Owner — M. Reed, College and Taft Aves., Oakland.
Architect—None.
Contractor—H. & C. Lassen, 5323 College Ave., Oakland. $3700

DWELLING
(1231) N E-THIRTY-THIRD 110 W 13th Ave., Oakland. One-story 5-room dwelling.
Owner—George Muesse, 5 Monte Vista Oakland.
Architect—None.
Contractor—Barr & Son, 306 26th St., Oakland. $3500

DWELLING
(1234) SE FRUITVALE AND HYDE, Oakland. Two-story 8-room dwelling.
Owner—P. E. Grosse, 3100 Galindo St., Oakland.
Architect—None.
Contractor—P. J. Grosse, 3070 Champion St., Oakland. $6000

STORES AND FLAT
(1235) NE FIFTY-FOURTH AND Lowell Sts., Oakland. Two-story 5-room store and flat.
Owner—P. F. Dahner.
Architect—None.
Contractor—C. O. Bradhoff, 911 55th St., Oakland. $3900

DWELLING
(1237) N FOOTHILL BLVD. 200 E 57th Ave., Oakland. One-story 5-room dwelling.
Owner—H. I. King, 1501 50th Ave., Oakland.
Architect—None.
Day's work. $3000

APARTMENTS
(1238) N LAKE 140 E Jackson, Oakland. Three-story 5-room apartments.
Owners—E. C. and Hattie Aldrich, 160 Lake St., Oakland.
Architect—None.
Contractor — M. Felix Sommarstrom, 2215 Park Blvd., Oakland. $35,000

APARTMENTS
(1239) E MADISON 230 S Lake, Oakland. Three-story 54-room apartments.
Owners—L. E. Katz and M. H. Davis, 1534 Franklin St., Oakland.
Architect—None.
Contractor — California Builders Co., 1534 Franklin St., Oakland. $50000

DWELLINGS
(1243) E RAWSON AVE 325, 365 and 405 N Brookdale, Oakland. Three one-story 6-room dwellings.
Owner —J. B. Peppin, 86 Cambridge Ave., San Leandro.
Architect—None.
Day's work. $4000 each

DWELLINGS
(1244) W MAXWELL AVE 250 and 300 N Brookdale, Oakland. Two one-story 6-room dwellings.
Owner —J. B. Peppin, 86 Cambridge Ave., San Leandro.
Architect—None.
Day's work. $4000 each

APARTMENTS
(1247) N TWENTY-FIFTH 570 E San Pablo Ave., Oakland. Two-story 12-room apartments and garage.
Owner—George C. Smith, 702 25th St., Oakland.
Architect—None.
Day's work. $8375

DWELLING
(1248) E THOMAS 500 W Monroe Ave., Oakland. One-story 6-room dwelling.
Owner—H. C. Pfrang, 5659 Ocean View Drive, Oakland.
Architect—None.
Day's work. Cost, $5000

CLASS C BLDG.
(1249) PT. 25 N OF NE COR. FIFTH and Franklin N 25x75, Oakland. All work for one-story Class C building.
Owner—F. W. Diehl, 3rd and Franklin Sts., Oakland.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—W. G. McGinty & Sons, Federal Bldg., Oakland.
Filed Mar. 20, '22. Dated Mar. 4, '22.
On 1st and 15th of each month 75%
Usual 35 days.. ..... 25%
TOTAL COST, $7911
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

CLASS C BLDG.
(1250) W BROADWAY 175.5 S 21st NE 40xNW 100, Oakland All work for one-story Class C building
Owner—Rupert Whitehead, 240 Grand Ave., Oakland.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—W. G. McGinty & Sons, Federal Bldg., Oakland
Filed Mar. 20, '22 Dated Mar 14, '22
On 1st and 15th of each month 75%
Usual 35 days 25%
TOTAL COST, $11,793
Bond, none. Limit, May 25. Forfeit, none. Plans and specifications filed.

SHEET METAL WORK
(1251) NE E-FOURTEENTH AND NW Stanley Ave NW 781.80 NE 1032.49 SE 780.90 SW 1031.69, Oakland Sheet metal and roofing for building.
Owner—Durant Motor Co of California through Agent, P. J. Walker Co. Monadnock Bldg., San Francisco.
Architect—None

Contractor—A K Goodmundson, 2140 San Pablo Ave., Oakland.
Filed Mar. 20, '22. Dated Mar. 1, '22.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $9844
Bond, $4922. Surety, Fidelity & Deposit Co. Limit, 180 days. Forfeit. none. Plans and specifications filed.

DWELLINGS
(1254) NO. 2922 AND 2918 FOREST Ave., Berkeley. Two two-story 7-room dwellings.
Owner—John A. Bischoff, 2717 Russell St., Berkeley.
Architect—None.
Day's work. $7900 each

DWELLING
(1256) S ARDMORE AVE 200 W Mandana Blvd., Oakland. Two story 8-room dwelling.
Owner—Walter E. Kline, 618 Boulevard Way, Oakland.
Architect—None.
Contractor—McWethy & Greenleaf, Albany Bldg., Oakland. $9000

DWELLING
(1257) N BIRDSALL AVE 300 E Madera Ave., Oakland. One-story 5-room dwelling.
Owner—F. Lavall, 156 Birdsall Ave., Oakland.
Architect—None.
Contractor—R. Norlin, 2016 84th Ave., Oakland. $3500

DWELLING
(1260) N EXCELSIOR AVE 100 W Hopkins, Oakland. One-story 5-room dwelling.
Owner—S. W. Billingsley, 3824 Everett Ave., Oakland
Architect—None.
Contractor — John Oley, 5920 Outlook Ave., Oakland. $3500

DWELLING
(1261) E FORTY-SEVENTH AVE 320 N Melrose Ave., Oakland. One-story six-room dwelling.
Owner—Samuel Anderson, Benecia, Cal.
Architect—None.
Day's work. $3250

DWELLING
(1263) W GREENWOOD AVE 180 N Park Blvd., Oakland. One-story 5-room dwelling.
Owner — Max P. and Jos. H. Loebel, 3829 Greenwood Ave., Oakland.
Architect—None.
Day's work. $3000

APARTMENTS
(1265) W MADISON 46 and 80 S Lake, Oakland. Two three-story 24-room apartments.
Owner—E. B. Leonard, 589 Kenmore Ave., Oakland.
Architect—None.
Day's work. $18,500 each

ALTERATIONS
(1270) NO. 473 TENTH ST., Oakland. Alterations.
Owner—See Yen.
Architect—None.
Contractor—Oakland Refrigerator Co., 2766 Grove St., Oakland. $3000

ALTERATIONS
(1271) NO. 319 TWENTY-FOURTH, Oakland. Alterations and additions to apartments.
Owner—Vilena Newsom, Premises.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.
Day's work. $5000

BANK BLDG.
(1272) NW STANFORD AND SAN Pablo Aves E 102-10¾ N 25-9½ W 100 S 60, Oakland. All work for one-story concrete bank building
Owner—Bank of Italy, Powell and Eddy Sts., San Francisco.
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.
Contractor—J. F. Barrett & H. H. Hilp, 918 Harrison St., S. F.
Filed Mar. 22, '22. Dated Mar. 4, '22.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $30,725
Bond, none. Bonus, $100. Limit, July 1, 1922. Forfeit, $50. Plans and specifications filed.

DWELLINGS
(1273) NO. 2422 AND 2424 ACTON ST., Berkeley. Two one-story 5-room dwellings.
Owner—L. C. Means.
Architect—None.
Contractor—Frank Johnson, 1529 Jackson St., Oakland. $2200 and $2800

DWELLINGS
(1274) NO. 810 ALAMEDA AND NO. 1764 San Pedro, Berkeley. Two one-story 6-room dwellings.
Owner—E. R. Lamb, 1126 Poplar St., Oakland.
Architect—None.
Day's work. $4000 each

DWELLING
(1275) NO. 635 ENSENADA ST., Berkeley. One-story 5-room dwelling.
Owner—Frank Huefner.
Architect—None.
Contractor—J. H. Herman, 811 Carmel Ave., Albany. $3000

DWELLING
(1278) NO. 1361 SANTA FE, Berkeley. One-story 5-room dwelling.
Owner—E. Rosenquist, 1357 Santa Fe, Berkeley.
Architect—None.
Day's work. $3000

DWELLING
(1281) E EDGEWOOD 100 N El Centro Oakland. One-story 6-room dwelling.
Owner—J. E. Murphy, 1916 Franklin St., Oakland.
Architect—None.
Day's work. $4750

DWELLING
(1282) NW LYON AVE. AND HIGH, Oakland. One-story 5-room dwelling.
Owner—Ellen Bean, 2118 Penniman St., Oakland.
Architect—None.
Contractor—W. O. Bean. $3500

DWELLING
(1288) N SEQUOIA AVE. 75 W Glenn Ave., Oakland. One-story 6-room dwelling.
Owner—Geo. Pitt, Vernon Terrace, Oakland.
Architect—None.
Contractor—L. G. Geary, 524 58th St., Oakland. $4400

DWELLING
(1289) N THIRTIETH 100 W Filbert, Oakland. One-story 6-room dwelling.
Owner—Mrs. E. P. Foster, 3003 Filbert St., Oakland.
Architect—None.
Contractor—D. Bachand, 890 30th St., Oakland. $3230

DWELLING
(1291) W WOODRUFF AVE. 100 S Hampel, Oakland. One-story six-room dwelling.
Owner—George Quinn, 1742 14th St., Oakland.
Architect—None.
Day's work. $4000

STORE
(1293) NO. 1310 CENTRAL AVE., Alameda. One story store.
Owner — Motor Electric Co., 3220 Broadway, Oakland.
Architect—None.
Contractor—Alameda Land Co., 1484 Park St., Alameda. $4750

DWELLING
(1295) NO. 1313 SHERMAN, Alameda. One-story 7-room dwelling.
Owner—Geo. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. $6000

BUILDING
(1296) LOT 11 BLK 2 Northbrae Tract, Berkeley. Building.
Owners — Orville D. and Kathleen Adams.
Architect—None.
Contractor — Gustaf Johanson, 1357 Northvale St., Berkeley.
Filed Mar. 23, '22. Dated Mar. 22, '22
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $5,080
Bond, $2540. Sureties, Carl Ericsson and Walter Mork. Limit, 80 days. Forfeit, none. Plans and specifications filed.

PAINTING
(1297) UNIVERSITY OF CALIFORNIA Grounds, Berkeley. Painting on Students' Union building.
Owner—Regents of University of California.
Architect—John Galen Howard, First National Bank Bldg., S. F.
Contractor—D. and Mike G. and H. E. and F. G. and Miriam Zelinsky (as D. Zelinsky & Sons), 180 Jessie St., San Francisco.
Filed Mar. 22, '22. Dated Feb. 14, '22.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $10,500
Bond, $5250. Surety, New Amsterdam Casualty Co. Limit, July 10. Forfeit. $50. Plans and specifications filed.

FACTORY
(1298) NE E-FOURTEENTH AND NW Stanley Ave.NW 781.80 NE 1032 .49 SE 780.90 SW 1031.69, Oakland. Glazing for two-story reinforced concrete factory.
Owner—Durant Motor Co. of Cal. through agent P. J. Walker Co., Monadnock Bldg., San Francisco.
Architect—None.
Contractors—F. Joseph Fuller and Arthur A. Goepp (Fuller & Goepp), 32 Page St., San Francisco.
Filed Mar. 22, '22. Dated Mar. 16, '22
10th day each month.....75%
Usual 35 days.....25%
TOTAL COST. $8,164
Bond, $4082. Sureties, Fidelity and Deposit Co. Limit, 110 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted

Mar. 23, 1922—SW CARLTON AND Grove S 104 W 130.26 N 103.76 E 137.90, Berkeley. Jacobine A. Spanggard to E F Henderson.... .....Mar. 3, 1922

Mar. 23, 1922—LOTS 29 AND 30 BLK C Amended Map Fairview Tract, Oakland Tp. Lewis and Mitchell Inc. to C M MacGregor..Mar. 5, 1922

Mar. 22, 1922—LOT 31 BLK 11, Thousand Oaks, Berkeley. A H Fallen to whom it may concern.. .....Mar. 21, 1922

Mar. 22, 1922—LOT 25 BLK K Map Northbrae Terrace, Bkly. Amelia Gallaher to Jordan & Zeile..... .....Feb 11, 1922

Mar. 22, 1922—NW PARK BLVD 154 W Montclair Ave W 38 NE 133 SE 23.63 SW 122.69, Okd. Lauriston C Fish to whom it may concern... .....Mar. 18, 1922

Mar. 22, 1922—PTN LOT 54 Blk F 861 Lakewood Park, Oakland. Sadie

and Milton Weiss to C A Doss.....
.....Feb. 18, 1922
Mar. 21, 1922—NO. 3933 AGUA VISTA St., Oakland. J W Sigwald to whom it may concern.....Mar. 21, 1922
Mar. 21 1922—NW FORTY-FIRST & Emerald, Okd. Mrs. F Bilodeau to James L Rich.....Mar. 20, 1922
Mar. 21,1922—W VIEW 301.68 N Mather N 70xW 254, Oakland. Emilie Marie Sandner to Alex C Wieben..... Mar. 20, 1922
Mar. 20, 1922—LOT 63 BLK 10, Havenscourt, Oakland. Frank Machi by Rudolph Norlin to Rudolph Norlin.....Mar. 25, 1922
Mar. 20, 1922—SE MOUND 81-7 NE Madison SE 34-6 NE 8 SE 33-1½ NE 32 NW 67-6½ SW 10, Alameda. F J Theile to whom it may concern
.....Mar. 8, 1922
Mar. 20, 1922—LOT 25 Map Craig Ppty, Piedmont. Louis J Breuner to Ben F Kopf.....Mar. 14, 1922
Mar. 20, 1922—W PARK BLVD No. 3839 being Lot 28 Blk C Map Fourth Avenue Terrace, Oakland. George P and Marion Guyot to A T Hendricks.....Mar. 17, 1922
Mar. 20, 1922—NO. 2258 AUSEON Ave., Oakland. M L Story to whom it may concern.....Mar. 16, 1922
Mar. 20, 1922—LOT 6 BLK 2, Map East Oakland Heights, Oakland. Harry P Fisher to whom it may concern.....Mar. 17, 1922
Mar. 18, 1922—LOT 18 BLK J Northbrae Terrace, Berkeley. P E Marquis to whom it may concern
.....Mar. 17, 1922
Mar. 18, 1922—LOTS 23 AND 24 Map Florence Jones Tract, Oakland. Ernest T Minney to C H Service...
.....March 17, 1922
Mar. 18, 1922—NO. 3021 FIFTY-fifth Ave., Okd. Lloyd Spangler to whom it may concern.....
.....March 17, 1922
Mar. 18, 1922—NO. 3029 FIFTY-fifth Ave., Oakland. Carolyn L Moatz by Lloyd Spangler to whom it may concern.....Mar. 17, 1922

LIENS FILED

ALAMEDA COUNTY

Recorded Amount

Mar. 3, 1922—NE TWELFTH AND Franklin, Oakland. Hoff Magnesite Co., $243.95; T L Fraser and H H Bayless (Corbett & Bayless) vs Aftergood & Co and Harriet Mark Samuels $218.70
Mar. 22, 1922—SE FOURTH AND Market E 96.34 S 25 W 91.76 N 25.4, Oakland. Hogan Lumber & Mill Co vs Harry Wessel and G Annuzzi
.....$321.85
Mar. 18, 1922—NW SEVENTH AVE 50 NE E-18th NE 100xNW 150, Okd. W & D McIntosh (McIntosh Bros.) vs Louis Wiener and Art Tailoring Co $2465
Mar. 17, 1922—S FOURTH 75 W Franklin W 150xS 100, Oakland. Robert King (Kings Electrical Co) vs Louis Bruzzone and R Vance Woods and H J Christiansen..$162.55

Notice of Non-Responsibility

ALAMEDA COUNTY

Mar 22, 1922—PTN LOT 9 BLK 1, Hayward Acres, Eden Tp. Alameda Investment Co as to improvements on property.....
Mar 22, 1922—LOT 17 and NE 15 Lot 18 Blk 22, Map Key Route Heights, Oakland. Alameda Investment Co as to improvements on property
Mar 22 1922—LOT 20 NW 15 Lot 21 Blk 16 Map Key Route Heights, Oakland. Alameda Investment Co as to improvements on property.
Mar 20, 1922—2¼ ACRES being Ptn Rancho San Lorenzo, Alameda Co. Gertrude McIlowan Clausen as to improvements on property.....

HOMESTEADS

ALAMEDA COUNTY

Mar. 22, 1922—LOT 43 AND W 25 of Lot 25 Blk 7 Map Boulevard Park, Oakland. Ethel Thorsen (wf W Graham) $5500
Mar. 22, 1922—NE RIO VISTA AVE 655.96 E Piedmont Ave SE 36.33 NE 90.92 NW 36.33 SW 89.95, Oakland. Elaine D MacLean (wf Clement C) $5000
Mar. 20, 1922—E FILBERT 252 N 24th N 25xE 125, Oakland. Frederick C Watchers $2500
Mar. 20, 1922—N AILEEN 93.44 W Adeline W 40xN 105, Oakland. Sarah E Chatenay (wf F).....$3500
Mar. 17, 1922—LOTS 1, 2, 15 and 16 Blk 93, Town of Decoto. B F Gober
.....$1500
Mar. 17, 1922—PTN SAN LORENZO Rancho, Hayward. Irving M White
.....$5000

BUILDING CONTRACTS

SANTA CLARA COUNTY.

$1,000 and Over Reported

RESIDENCE
STANFORD UNIVERSITY CAMPUS, Stanford University, Cal. All work for a two-story residence.
Owner—Professor C. G. Vernier, Palo Alto, Cal.
Architect—Birge M Clark, Stanford University, Cal.
Contractor — George Jacobsen, Palo Alto, Cal.
Filed Mar. 15, '22. Dated Mar. 6, '22
As work progresses.....75%
Usual 35 days.....25%
TOTAL COST, $11,490
Bond, $5,745. Sureties, Anton Anderson and William P. Gray. Limit, 90 working days from Mar. 6, 1922. Plans and specifications filed.

PLUMBING ON ABOVE.
Contractor—Frederick W. Snook & Co., San Francisco.
Filed Mar. 15, '22. Dated Mar. 4, '22
Roughing in completed.....$400
Completed and accepted..... 418
Usual 35 days..... 275
TOTAL COST, $1,093
Bond, $550. Sureties, Joseph C. Staudinger and Everett J. Gumes. Limit, none. Forfeit, none. Plans and specifications filed.

BUILDING
SE SANTA CLARA AND AUTUMN, San Jose. All work for a one-story frame building.
Owners—Clyde L. Fisher and Robert Albertson, 425 W Santa Clara St., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—John Galer.
Filed Mar. 15, '22. Dated Mar. 14, '22
Frame up ready for rafters..$2412.50
Metal roof and sides on..... 2412.50
Completed and accepted..... 2412.50
Usual 35 days..... 2412.50
TOTAL COST, $9,650
Bond, $4,825. Sureties, James A. Chase and S. H. Chase. Limit, 60 working days from Mar. 14, 1922. Plans and specifications filed.

SCHOOL
PALO ALTO, Cal. All work for a one-story concrete school building.
Owner—Palo Alto City School District of Santa Clara County, Palo Alto.
Architect—Charles K. Sumner, 57 Post St., San Francisco.
Contractor—George D. Huston, Sunnyvale, Cal.
Filed Mar. 16, '22. Dated Mar. 9, '22
As work progresses.....75%
Usual 35 days.....25%
TOTAL COST, $46,774
Bond, none. Limit, 130 working days after commencement. Forfeit, none. Plans and specifications filed.

COTTAGE
EIGHTEENTH near St. John, San Jose. Five-room cottage.
Owner—E. D. Wells, 525 N San Pedro St., San Jose.
Plans by owner.
Day's work. $2800

COTTAGE
GREGORY near Home, San Jose. Four-room cottage.
Owner—T. Fileto.
Architect—None.
Contractor—Ed. Hiatt. $1900

ADDITION
NO. 67 S MARKET, San Jose. Additions to rest room.
Owner—Liberty Amusement Co.
Architect—W. Skilling, Garden City Bank Bldg., San Jose.
Contractor—H. A. Bridges, Pine and Lincoln Sts., San Jose. $3000

COTTAGE
WHITTON near 24th, San Jose. Four-room cottage.
Owner—F. D. McCormic, 22nd and Jefferson Sts., San Jose.
Plans by owner.
Day's work. $1600

COTTAGES
SAN PEDRO AND WHEELER, San Jose. Three four-room cottages.
Owner—Chas. P. Fratangelo, 663 N San Pedro St., San Francisco.
Plans by owner.
Day's work. $1825 each

RESIDENCE
SAN JOSE. All work for two-story frame residence and garage.
Owner—Preston H. Boomer, 135 S-13th St., San Jose.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor — J. Earle McCombs, 211 Hobson St., San Jose.
Filed Mar. 17, '22. Dated Mar. 14, '22.
Foundation completed $3057.75
Frame and grage erected.... 3057.75
1st coat plaster on..... 3057.75
Upon completion 3057.75
Usual 35 days..... 4077.00
TOTAL COST, $16,308.00
Bond, $8500. Sureties, Jas. A. Chase and A C. Hansen. Limit, 110 working days from March 17, 1922. Forfeit, none. Plans and specifications filed.

APARTMENTS
SANTA CLARA. All work for one-story frame apartment house.
Owner—L. Ball, 1464 Lexington St., Santa Clara.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—L. L. Kelly, 810 Prevost St., San Jose.
Filed Mar. 17, '22. Dated Mar. 17, '22
Frame up $1381
1st coat plaster on..... 1381
Completed and accepted..... 1381
Usual 35 days..... 1381
TOTAL COST, $5524
Bond, $2762. Sureties, Jas. A Chase and A C. Hansen. Limit, 90 working days from March 17, 1922. Forfeit, none. Plans and specifications filed.

RESIDENCE
SAN PEDRO ST., San Jose. All work for one-story frame residence.
Owner — Chas P Fratangelo, 663 N San Pedro St., San Jose
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose
Contractor—G. P. Oliva
Filed Mar 16, '22. Dated Mar 9, '22.
Frame up $404.50
Plastering completed 404.50

When completed 404.50
Usual 35 days..... 404.50
TOTAL COST, $1618.00
Bond, $2000. Sureties, C. Dilio and F. Carozza. Limit, 90 working days from March 9, 1922. Forfeit, $15. Plans and specifications filed.

RESIDENCE
SAN PEDRO ST., San Jose. All work for one-story frame residence.
Owner—Chas. P. Fratangelo, 663 N-San Pedro St., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—G. P. Oliva.
Filed Mar. 16, '22. Dated Mar. 9, '22.
Frame up $404.50
Plastering Completed 404.50
When completed 404.50
Usual 35 days..... 404.50
TOTAL COST, $1618.00
Bond, $2000. Sureties, C. Dilio and F. Carozza. Limit, 90 working days from March 9, 1922. Forfeit, $15. Plans and specifications filed.

RESIDENCE
SAN PEDRO ST., San Jose. All work for one-story frame residence.
Owner—Chas. P. Fratangelo, 663 N-San Pedro St., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—G. P. Oliva.
Filed Mar. 16, '22. Dated Mar. 9, '22.
Frame up $404.50
Plastering completed 404.50
When completed 404.50
Usual 35 days..... 404.50
TOTAL COST, $1618.00
Bond, $2000. Sureties, C. Dilio and F. Carozza. Limit, 90 working days from March 9, 1922. Forfeit, $15. Plans and specifications filed.

REPAIRS
POST AND LIGHTSTON STS., San Jose. Repairs.
Owner—Miller.
Architect—None.
Contractor—Frank Thomy, 605 S-11th St., San Jose. $1490

GARAGE
SANTA CLARA AND AUTUMN STS., San Jose. Commercial garage building.
Owner—Fisher & Albertson.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—John Gales. $11,000

COTTAGE
NO. 700 BLOCK S-THIRD ST., San Jose. Seven-room cottage.
Owner—Centella M. E. Church, 625 S-Second St., San Jose.
Architect—None.
Contractor — S. W. Talbot, 108 Brace St., San Jose. $5050

ADDITION
ELEVENTH AND SAN CARLOS STS., San Jose. Addition to store.
Owner—J. M. Conklin.
Architect—None.
Day's work. $1800

COTTAGE
SHERMAN ST. near Humboldt St., San Jose. Five-room cottage.
Owner—Wm. O'Neil, 500 N-15th St., San Jose.
Architect—None.
Day's work. $2600

BUSINESS BLDG.
N-SECOND ST. near Santa Clara St., San Jose. Two-story business building.
Owner—R. R. Syer, Bank of San Jose Bldg., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—Not Selected. $24,000

COTTAGE
HUMBOLDT ST. near Mastic, San Jose. Three-room cottage.
Owner—Wm. O'Neil, 500 N-15th St., San Jose.
Architect—None.
Day's work. $1700

CLOCK & CHIMES TOWER
ON PPTY. OF I. O. O. F. ORPHANAGE, Gilroy. All work for clock and chimes tower.
Owner—Mrs. C. A. Hoxett, Gilroy, Cal.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Contractor—William Radtke, Gilroy.
Filed Mar. 21, '22. Dated Mar. 8, '22.
Frame up, sheathed and ready for plastering $1433
Completed and accepted..... 1133
Usual 35 days..... 956
TOTAL COST, $3822
Bond, $1911. Surety, National Surety Co. Limit, 60 working days from Mar. 8, 1922. Forfeit, none. Plans and specifications filed.

REFRIGERATOR
SAN JOSE, Cal. All work for brick refrigerator.
Owner—Blase Bros. & Co., San Jose.
Architect—None.
Contractor—Percy Sherburne, 375 N 15th St., San Jose.
Filed Mar. 22, '22. Dated Mar. 20, '22
¼ finished 25%
½ finished 50%
30 days after completion.....25%
TOTAL COST, $2,917
Bond, $1500. Sureties, A. L. Hubbard and George McDonald. Limit, five weeks. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

Recorded Accepted
Mar. 21, 1922—LOTS 78 AND 79, as per Map Harnwood, Santa Clara Co. Otto Uhrhammer to whom it may concern.....Mar. 20, 1922
Mar. 20, 1922—MOUNTAIN VIEW. W M Bernard to whom it may concern.....Mar. 20, 1922
Mar. 18 1922—SINNGLETARY AVE. San Jose. Andrew Russell to Ben Quimet.....Mar. 18, 1922
Mar. 15, 1922—MOUNTAIN VIEW. Clarence J Voris to whom it may concern.....Mar. 14, 1922

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
Mar. 22, 1922—ACRE NO. 131 of the Harnwood Park Tract near Mountain View, Cal. The Minton Co Inc vs A J Gray and the Mountain View Land Co.....$312.38
Mar. 17, 1922—SAN JOSE. The Minton Co vs Bruno Rote $52.85
Mar. 17, 1922—SAN JOSE. The Minton Co, Inc vs John Camarato. $65.52

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BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 and Over Reported

DWELLING
NO. 2500 THIRTY-SEVENTH, Sacramento. One-story and basement frame 5-room dwelling.
Owner—P. Cinezia, 3301 3rd Ave., Sacramento.
Architect—None.
Day's work. $2500

DWELLING
NO. 1372 FORTY-SECOND, Sacramento. One-story 5-room dwelling and garage.
Owner—G. J. Sprague, 520½ 13th St., Sacramento.
Architect—None.
Contractor—H. J. Harlow, 5423 J St., Sacramento. $4500

DWELLING
NO .2815 G ST., Sacramento. One-story 6-room dwelling.
Owner—P. F. Reed, 2545 28th St., Sacramento.
Architect—None.
Day's work. $3500

DWELLINGS
NO. 2561, 2555 SAN FERNANDO ST., Third address not given, Sacramento Three one-story 5-room dwellings.
Owner—P. F. Reed, 2545 28th St., Sacramento.
Architect—None.
Day's work. (2) $2000; (1) $3000

DWELLING
NO. 2562-2632 FRANKLIN ST., Sacramento. Two one-story 6-room dwellings.
Owner—P. F. Reed, 2545 28th St., Sacramento.
Architect—None.
Day's work. $6600

DWELLING AND GARAGE
NO. 957 SEVENTH, Sacramento. One-story 4-room dwelling and garage.
Owner—Paul Opdyke, Sacramento.
Architect—None.
Day's work. $2500

REPAIRS
NO. 531 K ST., Sacramento. General repairs.
Owner—Joseph Estate, Sacramento.
Architect—None.
Contractor—Siller Bros., 1616 13th St., Sacramento. $8000

DWELLING
NO. 2417 FIFTH AVE., Sacramento. One-story 5-room brick dwelling.
Owner—J. H. Stapleton, 2417 5th Ave., Sacramento.
Architect—None.
Contractor—J. W. Hoopers, 5126 14th Ave., Sacramento. $3500

DWELLING
LOT 9 CRESCENT PARK, Sacramento. One-story 5-room dwelling.
Owner—Mrs. W. Kessler, 1614 22nd St., Sacramento.
Architect—None.
Contractor—F. H. Artz, 1911 28th St., Sacramento. $3800

DWELLING
NO. 3573 FOLSOM BLVD., Sacramento. One-story 6-room dwelling and garage.
Owner—H. G. Winters, 1316 30th St., Sacramento.
Architect—None.
Day's work. $3900

DWELLING
NO. 3089 FREEPORT, Sacramento. One-story 6-room dwelling.

Owner—John Miller, 3085 Freeport, Sacramento.
Architect—None.
Contractor—W. V. Whitsell, Fair Oaks, Calif. $3600

FLATS
NO. 2730 T ST., Sacramento. Four-flat building (4 rooms each).
Owner — Frank Spitalew, Bret Harte Court, Sacramento.
Architect—None.
Contractor—P. Leoni, 1415 P St., Sacramento. $11,000

DWELLING
NO. 3022 S ST., Sacramento. One-story 4-room dwelling.
Owner—Pauline Patterson, Lincoln, Cal.
Architect—None.
Contractor—Wm. Thielbaldi, Sacramento. $2727

DWELLING
NO. 2830 U ST., Sacramento. One-story 5-room dwelling.
Owner—White & Needham, 206 Peoples Bank Bldg., Sacramento.
Architect—None.
Contractor—A. W. Morris, 3012 G St., Sacramento. $3500

DWELLING
NO. 5023 FOLSOM BLVD., Sacramento. One-story 5-room dwelling.
Owner—R. H. Andrews, 52nd and Folsom Blvd., Sacramento.
Architect—None.
Contractor—J. P. Patterson, Sacramento Route No. 3, Sacramento. $3500

DWELLING
NO. 4977 FIFTH AVE., Sacramento. One-story 5-room dwelling.
Owner—John Zais, 2963 La Solidad St., Sacramento.
Architect—None.
Contractor—P. Lopey, 2629 32nd St., Sacramento. $2600

DWELLING
NO. 2238 MARSHALL WAY, Sacramento. One-story 5-room dwelling.
Owner—F. M. Tiller, Sacramento.
Architect—None.
Contractor—J. W. Brown, 3216 S St., Sacramento. $4000

FLATS
NO. 3916 J ST., Sacramento. Two-story frame (4) flats and garage.
Owner—Amy E. Saunders, 2810 I St., Sacramento.
Architect—None.
Contractor—J. A. Saunders, 2810 I St., Sacramento. $7000

DWELLING
NO. 1140 FORTY-FOURTH, Sacramento. Two-story 8-room frame dwelling and garage.
Owner—A. O. Johnson, 1921 12th St., Sacramento.
Architect—None.
Contractor—J. A. Saunders, 2810 I St., Sacramento. $8500

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Mar. 20, 1922—NO 840 FORTY-third St., Sacramento. L. Davies to whom it may concern Mar. 6, 1922

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
Mar. —, 1922—LOT 3 BLK 31 OAK Park, Sacramento. L. F. Gould vs F. P. Dideo $4,125 19

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

$2,500 and Over Reported

RESIDENCE
REGENT AND PARKWAY, Stockton. Residence and garage.
Owner—G. P. Maddock, Stockton.
Architect—None.
Day's work. $6500

ADDITION
S-PILGRIM ST., Stockton. Add to dwelling.
Owner—T. D. Schmalzried, Stockton.
Architect—None.
Day's work. $500

RESIDENCE
N-VAN BUREN ST., Stockton. Residence and garage.
Owner—Tony Wilson, 720 N-Van Buren St., Stockton.
Architect—None.
Day's work. $6500

RESIDENCE
E PINE ST., Stockton. Residence and garage.
Owner—Ralph C. Jeanelle, 135 E-Magnolia St., Stockton.
Arcihtect—None.
Day's work. $8186

RESIDENCE
S EL DORADO, Stockton. Residence.
Owner—Geo. Summerville, Stockton.
Architect—None.
Day's work. $2000

FLATS
E POPLAR ST., Stockton. Flats.
Owner—B. Bacciocco, Stockton.
Architect—None.
Day's work. $10,000

APARTMENTS
LOWER SACRAMENTO ROAD, Stockton. Apartments.
Owner—Pietro Molini, 1645 Lower Sacramento Road, Stockton.
Architect—None.
Day's work. $6600

VAULT
N-SACRAMENTO ST., Stockton. Record vault.
Owner—Southern Pacific Co., Sacramento and Main Sts., Stockton.
Architect—None.
Day's work. $850

RESIDENCE
ALSTON WAY, Stockton. Residence and garage.
Owner—F. F. Sayre, Stockton.
Architect—None.
Day's work. $7000

RESIDENCE
WEST ELM ST., Stockton. Residence and garage.
Owner—John Ratto, Stockton.
Architect—None.
Day's work. $5490

ALTERATIONS
E-SIXTH ST., Stockton. Remodel
Owner—J. D. Stone, Stockton.
Architect—None.
Day's work. $2600

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ALTERATIONS
S-SUTTER ST., Stockton. Remodel for garage.
Owner—J. H. Fisher, Stockton.
Architect—None.
Day's work. $2100

STORE, ETC.
E-LAFAYETTE ST., Stockton. Store and lodging house.
Owner—Marciano Solari Bros., Stockton.
Architect—None.
Day's work. $27,000

RESIDENCE
S-CENTRAL ST., Stockton. Residence and garage.
Owner—Frank Guyon, 1211 E-Main St., Stockton.
Architect—None.
Day's work. $3800

ALTERATIONS
S-CENTER ST., Stockton. Remodel.
Owner—Thos. T. Jones, Stockton.
Architect—None.
Day's work. $400

ALTERATIONS
N-EL DORADO ST., Stockton. Alter service station.
Owner—Shell Co. of Calif., Weber and C Sts., Stockton.
Architect—None.
Day's work. $500

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
Mar. 20, 1922—LOTS 11 AND 12, Buell Land SE ¼ of Sects 1 and 3, N. R 6 E, Stockton. Denny Main to A J Webb.....Mar. 20, 1922
Mar. 17, 1922—LOT 22 and E ½ Lot 23, Northcrest, Stockton. R C Jeanelle to L E Hertzig and M A Orcutt.....Mar. 13, 1922
Mar. 16, 1922—LOT 15 BLK 100 W of Center St., Stockton. Henry Sangulnetti and George Balliet to whom it may concern..Mar. 14, 1922
Mar. 16, 1922—LOT 7 BLK 100 W of Center St., Stockton. John and Palmyra Mazzera to Geo Balliet.....Mar. 11, 1922

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
Mar. 15, 1922—PTN LOT 1 BLK 1, Mosswood Park, Stockton. Simpson Gray Lumber Co vs K Fairfax $118.35

BUILDING CONTRACTS

SAN MATEO COUNTY

PLUMBING WORK
W B ST. bet. First and Second Aves., San Mateo. Furnish and do plumbing work for three two-story brick buildings.
Owner—Wisnom Estate Co., San Mateo
Architect—W. H. Toepke, 942 Market St., San Francisco.
Contractor—Morrison & Blair, (cptn), 415 Villa Terrace, San Mateo.
Filed Mar. 14, '22. Dated Mar. —, '22.
Rough gas and plumbing in ... $1800
Completed 1705
Usual 35 days..... 1170
TOTAL COST. $4675
Bond, $2034. Sureties, Geo. H. Arthur and H. G. Mayes. Limit, as required. Forfeit, $10. Plans and specifications filed.

BUNGALOW
LOT 17 and W ½ LOT 18 Blk 2, Metropolis Homestead, San Mateo. All work for one-story 4-room frame bungalow.

Owner—Metropolis Homestead Co., San Francisco.
Architect—John F. Leslie.
Contractor—John F. Leslie, San Mateo
Filed Mar. 14, '22. Dated Mar. 4, '22.
Owner pays all bills when approved by the contractors, not to exceed.....$1765
Usual 35 days..... 400
TOTAL COST, $2165
Bond, limit, forfeit, none. Plans and specifications, none.

BOARD WALK
PACIFIC CITY, adjacent Burlingame and San Mateo. Furnish and construct board walk except lay flooring.
Owner—Pacific City (A. H. Dougall Jr., Mgr., Palace Hotel, San Francisco)
Architect—Alfred Kuhn and Thomas M. Edwards, 833 Market St., San Francisco.
Contractor—Geo. A. Renner (as Renner Foundation Co.), 44 Lloyd St., San Francisco.
Filed Mar. 4, '22. Dated Feb. 27, '22.
Unit price, 20 ft. piles in place $7 each, each additional ft., 35c New Lumber, $38 per 1 ft. B. M. Bridge in, solid or herringbone in place, $11 per 1 B. M.; fin 12"x12" cap new lumber in place, $35 per M ft. B. M.
Old lumber in place, $27 per M, B. M.; nails in place, $5.25 per keg; ¾" drift bolts, $9 per 100; ⅝" Hd. and Pt. spikes, $6.50; lumber ——, $22 per M f. o. b. barge Pacific City; piles, $3.50 each Pacific City.
Balance as follows:
Engineer's estimate 75%
Usual 35 days..... 25%
TOTAL COST, $——
Bond, $5000. Surety, United States Fidelity & Guaranty Co. Limit, 21 days. Forfeit, none. Plans and specifications filed.

BUNGALOW
LOT 1 BLK 28, Easton Addition No. 2, Burlingame. All work for six-room bungalow.
Owner—Charles R. and Edna M. Hall, 808 Elizabeth St., San Francisco.
Architect—None.
Contractor—Alfred C. Dahl, 2208 Pine St., San Francisco.
Filed Mar. 16, '22. Dated Mar. 9, '22.
Frame completed $1125
Brown coat plaster on..... 1125
Completed 1125
Usual 35 days..... 1125
TOTAL COST, $4500
Bond, none. Limit, 122 days. Forfeit, $1. Specifications only filed.

STORE
PTN LOT 36, Main St. Lots, Redwood City. All work for one-story brick store.
Owner—Mary D. Ross, San Mateo.
Architect—Will H. Toepke, 942 Market St., San Francisco.
Contractor—Gus Waller, Redwood City
Filed Mar. 18, '22. Dated Mar. 15, '22.
Walls to under side of truss.$2077.50
Truss up, roof sheathed and brick work completed.... 2077.50
Plaster, roof and sklylights completed 2077.50
Completed 2077.50
Usual 35 days..... 2770.00
TOTAL COST, $11,080.00
Bond, $5540. Sureties, M. E. Ryan and P. E. Brauel. Limit, 60 working days. Forfeit, $5. Plans and specifications filed.

RESIDENCE
LOT 142 SBDVN NO. 2, San Mateo Park, San Mateo. All work for two-story residence and garage.
Owner—A. W. Stitt, Yolando, Calif.
Architect—W. H. Ratcliff Jr., 1st Nat'l. Bank Bldg., Berkeley.
Contractor — Cavanaugh Bros., 180 Jessie St., San Francisco, and San Mateo.
Filed Mar. 18, '22. Dated Mar. 17, '22,
Frame boarded in.....$3575
1st coat plaster completed..... 3575
Completed 3575
Usual 35 days..... 3575
TOTAL COST, $14,300
Bond, $7150. Surety, Aetna Casualty & Surety Co. Limit, 100 working days. Forfeit, $5. Plans and specifications filed.

FRAME BLDG.
LOT E BLK 10, Burlingame Land Co. Map No. 2, Burlingame. All work for two-story frame building.
Owner—Mirian H. Dwan, Burlingame.
Architect—Ernest H. Hildebrand, 110 Sutter St., San Francisco.
Contractor—T. J. Broderick, Burlingame.
Filed Mar. 21, '22. Dated Mar. 21, '22.
Contractor to submit all bids due, sub contractor to have Architect's Approval .....
All carpenter labor to be paid weekly by owner .....
TOTAL COST, $17,340
Bond, $2000. Sureties, Jas. A. Grant and Joseph U. Gaffey. Limit, 90 working days. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS

FRESNO COUNTY

$5,000 and Over Reported

DWELLING
NO. 3654 KERCKHOFF AVE., Fresno. Dwelling and garage.
Owner—H. D. McKinnon, Fresno.
Architect—None.
Contractor—A. H. McCline, 1006 N St., Fresno. $5500

DWELLINGS
NO. 3420-3412 MONTICITO ST., Fresno. Two dwellings with garages.
Owner—Fresno Home Builders, 1231 I St., Fresno.
Architect—None.
Day's work. $3000 each

DWELLINGS
NOS. 3250, 3350 AND 3335 EL MONTE Ave., Fresno. Three dwellings.
Owner—Dan Blosser, 3212 El Monte, Fresno.
Day's work. 2 at $2500 each and 1 at $3000.

DWELLINGS
NOS. 3218, 3210 AND 3214 BELMONT Ave., Fresno. Three dwellings.
Owner—Frank Akin, 3160 Belmont Ave, Fresno.
Architect—None.
Contractor—W. P. Snare, 1736 Lewis St., Fresno. $2000 each

SCHOOL
WASHINGTON COL. ELEMENTARY School District. All work for six-room school.
Owner—Board of Trustees of Washington Col. Elementary School Dist.
Architect—Ernest J. Kump, Rowell Bldg., Fresno.
Contractor—J. B. Hart, 1225 Broadway Fresno.
Filed Mar. 20, '22. Dated Mar. 17, '22.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $31,400
Bonds, $3140 and $15,700. Surety, Hartford Accident & Indemnity Co. Limit, 90 days. Forfeit, $10 per day. Plans and specifications filed.

Sub-Contracts on Above.
Brick work to D. A. Moore or J. M. Brown.
Plastering to Matt Summers.
Modeling to C. S. Newell.
Plumbing and Sheet Metal Work to B. A. Newman.
Electrical work to T. Robinson.
Painting to J. M. Harrison.
Millwork to Fresno or Madary's Mill.
Heating to C. F. Weber Co.
Blackboards to Rucker-Fuller Co.
Roofing to Fibrestone & Roofing Co.
Steel and Iron Work to Burnett Iron Works.
Hydro-Pneumatic Water System to Leuritzen Implement Co., $831.

WAREHOUSE
S. P. R. R. RESERVATION bet. H and Broadway, Fresno. Warehouse.
Owner—R. J. Woodward, 850 Home St., Fresno.
Architect—None.
Day's work. $19,000

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Mar. 22, 1922—LOTS 25, 26 BLK 8, Fishers Villa Addition, Fresno. John Klaesen to whom it may concern .....Mar. 21, 1922
Mar. 21, 1922—WONDER BLDG., Fresno. Annie L Wallace to whom it may concern.....Mar. 18, 1922
Mar. 21, 1922—LOTS 38 AND 39 BLK 8, Van Ness Heights, Fresno. Carl D Hoosepian to whom it may concern.....Mar. 18, 1922
Mar. 21, 1922—LOT 7 BLK 6, Boulevard Gardens No. 2, Fresno. W C Scott to whom it may concern... .....Mar. 20, 1922
Mar. 18, 1922—LOT 1 BLK 6 Hazelwood, Fresno. Jas C Morris to whom it may concern...Mar. 18, 1922
Mar. 18, 1922—LOTS 1 TO 6 BLK 1 Howard Park, Fresno. F L Pettey, et al to whom it may concern.... .....Mar. 17, 1922
Mar. 18, 1922—LOTS 31 AND 36, J C Forkner Fig Gardens Sub 1, Fresno. J C Forkner Fig Gardens Inc to whom it may concern...Mar. 7, 1922
Mar. 18, 1922—BENDER SCHOOL District, Fresno County. Bender School District to whom it may concern.....Mar. 16, 1922
Mar. 17, 1922—LOTS 37 AND 38 BLK 15, Roeding Heights, Fresno. B Rasc to whom it may concern..... .....Mar. 15, 1922
Mar. 17, 1922—W 175 FT. LOT 7, Blossom Park, Fresno. Mary A Waterman to whom it may concern.....Mar. 16, 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount
Mar. 21, 1922—LOT 3 in Sec. 9, Firebaugh Sbdvn, Fresno. Miller & Lux vs C E Orwig.....$532
Mar. 21, 1922—LOT 3 SEC. 10, Firebaugh Sbdvn., Fresno. Miller & Lux vs R Reed et ux.....$218
Mar. 17, 1922—LOTS 28 AND 29 BLK 6, Van Ness Heights Add'n, Fresno. J H Walker vs C W Stepanek..$212

BUILDING CONTRACTS

SONOMA COUNTY

BAKERY
WEST ST., Healdsburg. All work for one-story reinforced concrete bakery building.
Owner—Jos. Fognoli, Healdsburg.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—F. J. Heitz, Healdsburg.
Filed Mar. 14, '22. Dated Mar. 9, '22.
Foundation complete $1200
All concrete poured..... 1200
Building completed 1200
Usual 35 days..... 1320
TOTAL COST, $4920
Bond, $2500. Sureties, A. W. Garrett, Healdsburgh and M. E. Cummings, Healdsburg. Limit, 50 days. Forfeit, none. Plans and specifications filed.

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Published Every Saturday
Twenty-second Year No. 13

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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BIG DEMAND FOR SPACE FOR HOME BUILDING SHOW

To add impetus to the San Francisco forward movement the San Francisco Development Association is planning a "home beautiful and construction exposition," to be held at the Civic auditorium from April 25th to May 2nd, to stimulate building and equipment not only of homes, but public buildings as well and to advance in San Francisco and environs the building movement.

Everything that goes into the modern home or building will be attractively displayed at this exposition.

Big Floor Space Sales

The enthusiasm that the announcement of the exposition has created may best be judged by the fact that at this early date most of the floor space at the auditorium has been spoke for, and each mail brings fresh expressions of appreciation and approval, so it is assured that the Exposition Auditorium will be completely taken up with a most attractive display of materials for building and beautifying the home.

Artists are working on the plans for the decoration of the auditorium, and those in charge promise that the results will be the quintessence of harmony and good taste.

Experts to Be On Hand

This exposition is of especial interest to those who desire to own their own homes, and every effort will be made to help them attain this ambition. Experts in every line will be on hand to assist and advise on everything, from the financing to the actual erection of the building.

It is the sincere belief of those who have the best interests of San Francisco at heart that the "Home Beautiful and Construction Exposition" will be a great factor in the furtherance of the "San Francisco Forward Movement" and to crystallize in the public opinion the big idea that "now is the time to buy or build!"

SAN FRANCISCO BUILDERS' BANQUET COMMITTEE REPORTS PROGRESS

An affair that will hold special interest for all engaged in the building industry and general interest for the community at large, will be the annual banquet2 of the San Francisco Builders' Exchange to be held April 19th, at the Palace Hotel.

This banquet, according to officers of the Exchange, will be more than the regular get-together social evening of the organization. Lavish plans have been made for the entertainment and as a banquet the affair is going to be a success if some of the best fun organizers in San Francisco build according to the plans that have been laid down. It is going to be more than a banquet, however.

The builders are already the busiest men in San Francisco, and they're going to be busier before the year is much older. One of the important features of the banquet—which will come ahead of the fun—will be a discussion of some of the plans that have been made by the building industry to help San Francisco break all construction records in 1922.

The committees in charge of the banquet are:

Publicity Committee — Clarence F. Pratt, chairman; R. B. Cleghorn, Thomas Price, John H. Sears, A. Fred Lindgren.

Sales Committee—Charles M. Cadman, chairman; H. D. Poitras, George Dixon, Emil Hogberg, Jas. H. Pinkerton, Frank Necklenberg, A. D. Coleman, E. T. Thurston, Arthur Elkins, Robert Cleghorn, Steve Guerin, Chris. Berg.

Music and Entertainment—Joseph B. Keenan, chairman; Alex. Mennie, Charles Gunn, Charles Adams, Herman Lawson.

Reception Committee—Alfred Swinerton, chairman; George Forderer, Athell McBean, Wm. C. Duncan, C. W. Carle, George Wegner, P. A. Palmer, Felix Kahn, J. A. Plunkett, C. J. Hillard, J. R. Gwynn. There will also be a representative from each craft on the reception committee.

U. S. ARCHITECTS TO EXHIBIT WORKS ABROAD

The exhibit of American architecture, organized by the American Institute of Architects, and displayed in Paris and London last year, has aroused so much interest tbroad that plans are now being made for showing it in other European cities.

The Royal Institute of British Architects has cabled Julian Clarence Levi, secretary of the committee of the American Institute of Architects, proposing a series of exhibitions in the larger cities.

Should this prove feasible, there is a strong probability that the exhibits will then be sent to Italy and shown in Rome.

The exhibit comprises a large number of photographs of the most notable buildings in the United States and represents many American cities, New York, Philadelphia, Washington, Detroit, Indianapolis, Denver, State Capitols in Connecticut, Wisconsin and Missouri, and examples of the architecture of American ecclesiastical and educational institutions.

It was shown at the annual exhibition of the Societe des Artistes Francais in Paris last spring and afterward under the auspices of the Royal Institute of British Architects in London.

SAN FRANCISCO SEVENTH—LOS ANGELES FOURTH IN U. S. BUILDING OPERATIONS

Los Angeles was fourth among the cities of the U. S. in building for the month of February, 1922. Chicago with a big gain over January, rolled up a total of $13,493,800 for the month, second to that of New York City, with its five boros. Boston spurted into third place with a total of $7,715,158, only $135,360 more than that of Los Angeles. Philadelphia was fifth, Detroit sixth, and San Francisco was seventh in the list. Portland, Oakland and Long Beach were the only other Pacific coast cities in the million dollar class for February.

Although February was a short month, building operations throughout the U. S. showed a slight gain as compared with January, 1922, and a gain of 50 per cent as compared with February, 1921. Reports from 188 cities show a total of 32,160 permits with an estimated valuation of $139,919,847 issued during February, 1922, while for the same month in 1921, these cities issued 28,145 permits with an estimated valuation of $92,893,446. For January, 1922, 194 cities reported 30,392 permits with an estimated valuation of $138,799,280.

IRON AND STEEL EXPORTS GAINING

The iron and steel industry has opened the new year with a total of 160,920 long tons of iron and steel exported during January, 1922. Exports of iron and its products during last December were 129,921 tons, but this gain is not due entirely to increased business, the iron and steel division of the Department of Commerce explains. Part of the difference is occasioned by the addition of several items as recorded in the new statistical export classification of domestic commodities, effective January 1.

Among these newly reported products are boiler tubes, welded pipe and fittings, scrap skelp, rail fastenings, switches, frogs etc., woven wire fencing, car wheels and axles, wire rope and cable, iron castings, steel castings, ferro-manganese, ferro-silicon, forgings, wire cloth and screening, horseshoes and machine screws.

FAVORS PAVING GUARANTY

John L. Elliott, city engineer of Indianapolis, has sent a letter to the Board of Public Works, advising that no steps be taken to eliminate from the specifications for permanently improved streets, the provision requiring the contractor to put up a maintenance guaranty. He said the elimination of this guaranty would cause trouble for the city in obtaining proper repair of streets. There has been no open discussion before the board of works of any plan of eliminating the guaranty provision from the street specifications, but the suggestion was made to the board that lower bids might be obtained on asphalt street contracts were the provision eliminated.

The Observer

Reforestration of the timber sections of Mendocino and Sonoma counties is being planned by a large group of wealthy timber owners, it is rumored at Santa Rosa. The Union Lumber Co. of Mendocino county has taken the initiative in the project and has already made tentative plans to replant thousands of redwood trees. Other companies indicate they will follow suit. Such action is held by many to mean that a scarcity of lumber will never exist in this section of the State. The trees to be planted will be ready for first cutting in about sixty years, it is said.

The Southern California Edison Co. has let contracts aggregating $3,500,000 for machinery and equipment for its hydro-electric program for 1922, including generators and auxiliary apparatus for a new 75,000 kilowatt station, an additional 16,000 kilowatt generator for an existing station and a 220,000 volt transmission line for the Big Creek line to replace the present 150,000 volt line. The contracts are divided among the following firms: Allis-Chalmers Co., Wellman-Seaver-Morgan Co., The Kellog Co. and Westinghouse Electric Mfg. Co.

Plans to create a fund of $100,000 to be used in financing factories desiring to locate in Vallejo, are being outlined by the Vallejo Chamber of Commerce. The purpose of the fund will be to assist practical and sound enterprises that need financial assistance in order to establish themselves. The money would be loaned to reputable concerns until they were on a paying basis and then the money would be returned to the Chamber of Commerce fund, plus interest.

Sacramento plans extensive street improvements. According to City Engineer Albert Givan, resolutions of intention adopted by the City Commissioners this year call for street work estimated to cost $434,340, and officials say they anticipate at least $400,000 more work will be ordered before the year ends. Of the resolutions passed to date, $46,078 of the work is for sewers and the remainder is for improving streets.

The Truscon Laboratories, Detroit, Mich., has issued the second edition of the booklet, "Science and Practice of Integral Waterproofing." The first fifteen pages are devoted to the subject, "Why Waterproofing Requires Waterproofing?" Beginning pages 16 to 23 are specifications for waterproofing mass concrete, waterproofing general masonry by cement plaster coat method and waterproofing cement stucco.

The Red River Lumber company, operating at Westwood and also in Shasta county, announces that on April 1st, it will reduce wages five cents an hour, affecting the whole force, further than that no wages will be under $3 a day. At the same time the price of several grades of lumber will be reduced $2 a thousand. The company is shipping fifteen carloads daily from Westwood.

Local paint men are making preparations for a "Save the Surface" campaign to be undertaken between May 1 and May 14. It is proposed to include the counties of San Francisco, Alameda, San Mateo and Contra Costa. Local men interested in the movement are: A. W. Scott, A. Sutherland, G. M. Golberg, G. T. Stankard, D. J. Tight, J. C. Downey, M. Friedman and C. B. Woodruff.

A Modern Homes Exposition will be held in Los Angeles, April 18th to 29th to impress upon the public the importance of maintaining every home at its maximum efficiency and in the best possible repair to conserve the value of all properties in Los Angeles and "maintain the reputation of the city as one of the most beautiful in the world."

Greater standardization of practice in the design and construction of highway bridges is urged by the Bureau of Public Roads of the United States Department of Agriculture. A "Manual of Practice" is being prepared, which will represent the best thought on the subject and which it is believed will be accepted by all the State highway departments.

Mimeographed tables showing the prices of 24 classes of building materials at 44 cities in different parts of the country, as of Feb. 1, 1922, have been compiled by the Division of Building and Housing of the U. S. Bureau of Standards. They may be obtained by addressing the above-mentioned division of the bureau at Washington, D. C.

Plans for trebling the capacity of the Luning Mineral Products Co. plant at Richmond are being perfected. The company manufacturers mineral pigments used in making paints. According to officials of the company, the plant which is located at Twenty-first and Chanslor avenue, is the only one of its kind west of St. Louis.

The Reno, Nevada, Chamber of Commerce is preparing to launch a campaign against alleged exorbitant rents, according to C. S. Knight, president of the chamber. It is claimed that fully fifty families left the city last year due to high rentals and inability to secure desirable homes at reasonable prices.

The Western Asbestos Supply Co., John B. Gordon, president and manager, has been organized at Spokane, Wash., and will engage in the manufacture of air cell paper used for insulation of steam and hot water pipes. The plant will be located at 1562 Sprague Ave., Spokane.

Tehama county cannot go into the oil business, according to a ruling of Attorney General U. S. Webb. The supervisors hoped to levy a tax to defray expenses of determining if there is oil in Tehama county in sufficient quantities to warrant development.

Frank J. McHugh and G. A. Ferguson of Seattle have consolidated under the name of the McHugh Construction Co. Officers of the company are: Frank J. McHugh, president; P. J. McHugh, vice-president and G. A. Ferguson, secretary-treasurer.

ALONG THE LINE

Western Pacific Railroad is completing surveys for the extension of the Sacramento Northern railroad, now a Western Pacific property, from Woodland to Vallejo, via Vacaville, Winters and Suisun.

City Trustees of Piedmont, decide to construct civic center in territory bounded by Vista, Highland, Mountain and Magnolia avenues. E. C. Prather, city engineer, is preparing zone maps.

St. Helena contemplates the purchase of the St. Helena Water Co's. properties to operate as a municipal water system. The company has named $60,000 as the purchase price.

City trustees of San Mateo will call election in April to bond for $100,000 to finance construction of two bridges and paving of several streets.

More than one hundred blocks of gravel streets will be scarified and oiled this spring, according to F. A. Kenyon, city commissioner of Stockton.

Frank C. MacDonald of San Francisco, elected president of State Building Trades Council. A. G. Gilson, San Francisco, chosen secretary-treasurer.

A. C. Reeves Co. will build plant in San Leandro to manufacture an egg carrier. A site for the plant has been selected.

Jason R. Meek will be a candidate for the office of county surveyor of Yuba county. L. B. Crook, present incumbent, will seek re-election.

Clyde C. Kennedy, consulting engineer, has moved from the Holbrook Bldg., to larger quarters at 626-8 Call Bldg., San Francisco.

The city of Sacramento contemplates the establishment of a municipal stadium. Clyde Seavey, city manager, heads the movement.

Tom Merrill Sash & Door Co. has succeeded to the business of the Jones Sash & Door Co., Sash & Door Co., at Long Beach.

Edgar T. Wheeler, manager of Edgar T. Wheeler Co., contractors and engineers of Los Angeles, died recently at his home in that city.

A "Paint-Up Week" has been endorsed by the Sacramento Chamber of Commerce.

McGrath-Popham Co., painters and decorators, have opened a shop at 631 Larkin St., San Francisco.

Western Pipe and Steel Co. of Calif., contemplates establishment of branch offices in Seattle, Wash.

C. C. Flinn has been appointed manager of the Albion Lumber Co., at Albion, Calif.

Government and Industry Cooperate in Standardization

At the request of Hon. Herbert C. Hoover, Secretary of Commerce, the American Engineering Standards Committee has designated A. A. Stevenson, the retiring chairman of the committee, as a special representative to work with the Department in the cooperation between the Department's Division of Simplified Practice and the American Engineering Standards Committee.

The Division of Simplified Practice is a coordinating unit of the Department of Commerce assisting in those reductions of excessive variety and other simplifications which many industries are undertaking in order to decrease the cost of production and distribution of manufactured articles. The work of the Division was organized in the latter part of 1921, and is now actively under way.

The American Engineering Standards Committee, which serves as a national clearing house for a broad field of engineering and industrial standarization, has offered Secretary Hoover the use of its machinery in carrying out the detailed work on technical projects initiated in the simplification program of the Department of Commerce. The Committee hopes to be of great value to Mr. Hoover in this simplification program of the Department. It was as a result of this hope that the designation of Mr. Stevenson as a representative came about.

The American Engineering Standards Committee has been actively at work somewhat over two years, during which time it has brought about a large measure of industry-wide cooperation. In this work more than a hundred national organizations are participating through representatives officially designated by them. The formulation of the standard for each specific project is in the hands of a working committee made up of representatives officially designated by the various bodies concerned. Enghteen standards have received formal approval as nationally recognized standards, and work on more than sixty other projects is in various stages of development. The American Engineering Standards Committee is maintained jointly by twenty-nine national organizations, including five Departments of the Federal Government, nine national engineering societies, and fifteen national industrial associations.

There are now similar national industrial standardizing bodies in thirteen foreign countries, all but one of which were formed during or since the war. Of these the British and German work is the most extensive, but active and important work is going forward in other countries.

Stevenson, who is a past president of the American Society for Testing Materials and has had a most extensive experience in standardization work, is vice-president in charge of manufacture, of the Standard Steel Works Company, which is a subsidiary of the Baldwin Locomotive Works.

PROJECT AUTHORIZED

Authorization has been received by the San Joaquin Light and Power Co., of Fresno, from the Federal Power Commission, to proceed with the construction of a hydraulic power plant on the north and west forks of the Kings river in California. The project will cost approximately $50,000,000, according to the plans submitted, will develop 250,000 horsepower and 350,000 kilowatts.

The Commission approved preliminary permits to be issued as follows: Wrangell Pulp and Paper Co., Wrangell, Alaska, for a power plant developing 12,000 horsepower on the Grant and Harding creeks; the Alaska Public Utilities Company for a power plant developing 500 to 1000 horsepower on Power Creek, Cordova, Alaska; J. H. Hughes, San Francisco, for a power plant developing 4000 horsepower near the North fork of the Feather river in Butte County Calif., for an electrochemical factory; and the Bigh Horn Canyon Power and Irrigation Company, for a power plant on the Big Horn river, Montana.

National Farm Conference Urges Continuance Federal and State Highway Programs

The Farm Conference, recently held at Washington, called by President Harding and the most representative gathering of its kind ever held in this country, passed the following resolutions relating to highways and traffic thereon, without a dissenting vote:

Country highways are the farmer's first and principal transportation means of marketing his products. They are the arteries of the economic and social system of the country. On their condition rests the amount of the transportation charge that must be added to the gross cost of farm products, and the more fully they are developed, the less that weather conditions and soil are allowed to clog the flow of traffic, the greater will be the health of the body politic and the added profusion of enjoyments and privileges to the common people.

The loss from bad roads should be reduced to a minimum, not only to enlarge the farmer's market, but to shorten the time and reduce the spread of price between the farmer and the consumer.

The farmer ought to be able to haul to market twice as much as often as he has been able to do in the past. If the farmer is to be put in a position to help influence the price of his products by not dumping them on the market for fear of unseasonable weather, he must control the condition of the roads to his markets. Without proper road conditions "orderly marketing" can never be accomplished. Rapid growth of traffic over highways has been so greatly intensified during the past few years that this method of transportation needs earnest and careful consideration. To this end,

We urge the closest co-ordination between the three major forms of transportation, so that railways, waterways and highways may each carry the kind of traffic that it can the most economically, expeditiously and efficiently serve.

We commend the Department of Agriculture, State Highway Departments and colleges for their research in connection with highway construction, maintenance and transport over the highways, and urge full support be given these investigations.

We approve the action of Congress in continuing Federal aid for the building of interstate, postal and farm-to-market highways under the Department of Agriculture and making appropriations therefor. We believe this policy to be equitable and constructive. We urge Congress to continue this policy for a definite period, so that the States may plan adequate co-operation.

We call particular attention of Federal and State authorities to the growing necessity for regulation of traffic on highways, in order that they may be protected from excessive and destructive abuse. Research into causes of highway wear should be continued by the Department of Agriculture and State Highway Departments, and traffic regulated according to the facts developed.

It is self-evident that farm products are the most cheaply transported over well-kept highways. We, therefore, urge that all possible safeguards should be placed about the maintenance of highways.

Safety of life and limb on the highways is paramount and we favor every effort to make the use of streets and highways less dangerous to all citizens.

We commend the Department of Agriculture for its policy in highway improvement, of providing roads suitable for horsedrawn as well as motorized vehicles, and urge that wherever practicable side roads be constructed adjacent to the surfaced portion of the highway.

Rapidly changing traffic conditions on our thoroughfares make the construction and maintenance of our highways an important engineering and business undertaking, therefore, all partisan or political considerations must be eliminated.

HOME OWNERSHIP IN THE UNITED STATES

The Division of Building and Housing of the Bureau of Standards has recently completed a chart showing graphically the percentage of home ownership in 1920 in cities of the United States having a population of over 100,000. This chart is based on statistics compiled by the Bureau of the Census and also includes a table giving the same values as the chart and in addition the percentage of ownership in the years 1910 and 1900. In 1920, the lowest percentage of ownership in the country was in New York City, having 1,278,841 homes of which 12.7 per cent were owned by the occupants. At the other end of the list is Des Moines, Ia., with 31,644 homes of which 51.1 per cent are owned.

SACRAMENTO ARCHITECTURAL CONTRACT IS TRANSFERRED

Transfer of the contract of the Hemmings-Hudnutt-Petersen Architectural and Engineering Commission to Dean & Dean has authorized by the Sacramento Board of Education. This contract is for furnishing of all architectural and engineering services necessary in connection with the school building work under the $3,000,000 bond issue voted in 1919.

The transfer was made in the interests of economy and efficiency, at the request of the members of the Commission, who pointed out that James S. Dean, one of the members of the new firm, has been supervising much of the work for many months, and the work now is down to where it can easily be handled by two men.

WAR DEPARTMENT SEEKS FUNDS TO PURCHASE EQUIPMENT

The War Department has requested appropriations sufficient to purchase the following additional equipment necessary for the maintenance of rivers and harbors under existing projects; Six seagoing hopper dredges at $750,000; 5 20-in. pipe line dredges at $350,000; 3 15-in. do at $250,000; 2 dipper dredges at $100,000; 4 snag boats, total $400,000; 8 derrick boats, total $300,000; 8 towboats, total $500,000; 60 barges and scows, total $1,400,000; and 6 launches, total $75,000; grand total, $9,875,000.

ENGINEER O'SHAUGHNESSY ANSWERS SPRECKELS AND KENT

M. M. O'Shaughnessy, City Engineer of San Francisco, has issued a statement replying to the attack made on him by Rudolph Spreckels and William Kent over his opposition to the proposed California Water and Power Act. O'Shaughnessy branded the attack on him as personal villification, and charged that the water and power act was "framed in Rudolph Spreckels' private office."

O'Shaughnessy declared in his statement that the Hetch Hetchy project does not need any aid from Mr. Spreckels or Mr. Kent. The power from this project may be sold at the powerhouse or transmitted over a power line to San Francisco at small cost to the city, where it may be distributed by privately owned enterprises, said the statement.

The California plan cannot be compared to the Ontario power plant on Niagara River, as was done by Mr. Spreckels and Mr. Kent, said O'Shaughnessy. California's problems are more comparable to those in Seattle, said he, where, with municipal ownership, the people are groaning under the confiscatory tax rate of $7.25 on the $100, said O'Shaughnessy.

LOS ANGELES BUILDERS' EXCHANGE NOMINATES OFFICERS

At the general meeting of the Los Angeles Builders' Exchange the following nominations for officers and directors were made:

For president, Walter R. Simons, Sidney T. Graves and Charles C. Havens; first vice-president, L. B. Webster; second vice-president, Emil Brown and P. J. Bolin; treasurer, W. H. C. Ness and Norwood W. Howard.

Directors: To represent sheet metal contractors, Emil Brown and F. W. Dee; cement contractors, James N. Pattillo; plumbing contractors, William McArthur and S. J. Brown; roofing contractors and dealers, H. F. Boache; metal lath dealers, Paul J. Langworthy; unclassified crafts (those with a representation of less than 5 members), James C. Hanley, W. W. Caldwell and Jack Knight.

Directors representing the burned clay products, brick mason contractors, plastering contractors, electrical dealers, general contractors, lumber dealers, painting contractors and lime, cement and plaster dealers, are either appointed by their respective crafts or are holdovers from the last election, serving two-year terms.

The primary election will be held early in April and the general election will be held April 20.

EXTENSIVE LIMESTONE DEPOSITS LOCATED IN SAN BENITO COUNTY

Within sound of the Mission bells of San Juan Bautista, and on lands once owned by that famous old Mission, one of the finest and most extensive pure limestone deposits in California, has been discovered on the Pearse ranch According to Judge Pearse, pioneer of San Benito county, well known in San Francisco and Oakland, the deposit lies on top of a high ridge, and extends roughly 2000 feet, with a width of 150 feet, and a depth that has not yet been determined

Analysis shows that the deposit is unusually valuable for making cement, and Twohy Brothers, San Francisco contractors, who are interested in the property, are now making plans for its exploitation, involving the erection of a cement plant on the property.

One Million Five Hundred Acre Irrigation Project Proposed

A comprehensive plan for irrigating 500,000 acres more on lands in the Imperial valley of California, and more than 1,000,000 acres of "highlands" in the region of the juncture of California, Arizona and Nevada, has been presented to congress for action by the department of the interior. It was framed by A. P. Davis, chief reclamation engineer.

The project calls for "a highline canal" between Laguna dam on the Lower Colorado river to the Imperial valley to reach the huge acreage of arid lands there. This will cost about $3,000,000, it is estimated.

The second big feature of the project is the construction of a huge reservoir and power plant at or near Boulder canyon, at an estimated cost of $55,000,000. This would conserve the water, prevent floods and develop 700,000 primary horsepower, which would be sold in the surrounding territory.

Plan As Proposed

All of the report is said to meet with the general approval of the seven states interested in the development of the Colorado river, with the exception of a recommendation that the Secretary of the Interior be given the power to fix power rates at the Boulder canyon dam. The Davis report declares problems of the Colorado river are of national magnitude.

The recommendation of Davis, which has been approved by Secretary of Commerce Hoover, chairman of the Colorado River Commission, and the Department of the Interior are:

1—That through suitable legislation the United States undertake the construction with government funds of a high line canal from Laguna dam to the Imperial Valley to be reimbursed by the lands benefited.

2—That the public lands that can be reclaimed by such works be reserved for settlement by ex-service men under conditions securing actual settlement and cultivation.

3—That through suitable legislation the United States undertake the construction with government funds, of a reservoir at or near Boulder, on the Colorado river, to be reimbursed by revenues from leasing the power privileges incident thereto.

Government Control

4—That any state interested in this development shall have the right at its election to contribute an equitable part of the cost of the construction of the reservoir and receive for its contribution a proportionate share of power cost to be determined by the secretary of the interior.

5—That the secretary of the interior be empowered after full hearing of all concerned to allow the various applicants their due proportion of the power privileges and to allocate the cost and benefits of a highline canal.

6—That every development hereafter authorized to be undertaken on the Colorado river by Federal government or otherwise be required in both construction and operation to give priority of right and use:

(A) To river regulation and flood control.

(B) To use of storage water for irrigation.

(C) To development of power.

WARES AND PRODUCTS SHOW TO BE FEATURED AT OAKLAND

Aahmes Temple Exhibits Committee, Aahmes Temple, 13th and Harrison Sts., Oakland, announces an Architects', Builders' and House Furnishers' Show to be a feature during the Shrine Mardi Gras week to be held in the Oakland municipal auditorium from April 24th to 29th inclusive. This is an excellent opportunity for San Francisco and Bay County firms to exhibit their products. For further information address committee direct or phone Oakland 68.

BUILDING COSTS REDUCED

Construction costs in Oakland and the bay cities are 25 per cent lower today than they were one year ago, according to George Walker, of P. J. Walker & Co., general contractors of San Francisco.

Walker, who is a close student of industrial conditions, credits 15 per cent of the reduction in costs to increased efficiency of labor under the improved operating conditions recently put into effect. Ten per cent, he says, is due to a reduction in wages.

AMERICAN PLAN IN OPERATION AT BAKERSFIELD

The American Plan for the building interests went into effect March 25th, when the Industrial Association of that city adopted the following resolution:

"Resolved, that this association does hereby approve of the action of the Builders' Exchange of Bakersfield, in declaring for the American Plan in conduct of all building and contracting operations in Bakersfield and vicinity after March 25, 1922, and be it further

"Resolved, that this association does hereby declare that the City of Bakersfield, and Kern County, as far as it is possible for the members of this association to make it, shall be and continue under the American Plan."

SEEKS TO HAVE ROAD DISTRICT DECLARED VOID

William Pierce, Suisun Valley orchardist, has filed a suit against the County of Solano and the Board of Supervisors asking that the formation of the Road District Improvement, Suisun No. 4, be declared void and that his lands be not included in the district and shall not be assessed for any of the road work thereon

Pierce alleges that the district was illegally formed by leaving out much assessable land which should have been included, and further alleged that the Supervisors did not give him a proper hearing at the time of the hearing of opposition to the formation of the district.

S. F. BUILDERS' EXCHANGE BLAMED FOR OPEN SHOP IN SAN JOSE

Members of the building trades unions of Santa Clara county, who have been out of work, refusing to accept the American Plan of employment, blame the San Francisco Builders' Exchange for the introduction of that system of employment into their county. The sentiment of the builders of that county was expressed by H. C. Jorgenson, president of the Santa Clara district council of carpenters, who was in San Francisco for a conference with labor leaders

Building News Section

APARTMENT HOUSES

Contract Awarded.
APARTMENTS Cost, $13,000
FRESNO, Fresno Co., Cal. 381 Fresno Ave.
Frame store and apartment house.
Owner—S. S. Mayramjanian.
Architect—None.
Contractor — Prichard Bros., Rowell Bldg., Fresno.

Permit Applied For—Sub-figures to be Taken.
APARTMENTS Cost, $——
SAN FRANCISCO. S Antonio near Leavenworth.
Six-story reinforced concrete apartment house.
Owner—Frank J. Klimm, 221 Oak St., San Francisco.
Architect—T. Paterson Ross, 310 California St., San Francisco.
Engineer—H. J. Brunnier, Sharon Bldg, San Francisco.
Supt. of Constr.—Wm. Nopper, Prem.
All bids will be taken by Mr. Nopper. The structure is to be a duplicate of the apartments at No. 460 Ellis St. owned by Mr. Klimm, which was erected eight year ago from plans by Architects Salfield & Kohlberg.

Contract Awarded.
APARTMENTS Cost, $40,000
SAN FRANCISCO. E Powell Street 94 N Sacramento Street.
Four-story and basement concrete (16) apartments.
Owner — Matilda Anderson, 746 Geary St., San Francisco.
Architect — E. E. Young, 251 Kearny St., San Francisco.
Contractor—H. D. Hogrefe, 62 Divisadero St., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $100,000
OAKLAND, Alameda Co., Cal.
Four-story and basement brick apartment house (35 2 and 3-room apts.)
Owner—Withheld.
Architect—J. C. Thayer, 524 Sheldon Bldg., San Francisco.
Figures will be called for in about three weeks.

Contract Awarded.
APARTMENTS Cost, $21,500
OAKLAND, Alameda Co., Cal. N Cottage 50 W Warfield Avenue.
Three-story 26-room frame apartments
Owner—Sarah M. Nelson, 358 Santa Clara Ave., Oakland.
Architect—None.
Contractor—Geo. Hudson, 2733 Foothill Blvd., Oakland.

Contract Awarded
APARTMENTS Cost, $60,000
SAN FRANCISCO. S Sacramento near Buchanan.
Three-story and basement frame and plaster apartment house building (6 7-room apartments).
Owner—John Siebe.
Architect—E. E. Young, 251 Kearny St., San Francisco.
Contractor—M. A. Little, 805 Bush St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $23,000
SAN FRANCISCO. NE Franklin and Chestnut Streets.
Three-story and basement frame (6) apartments.
Owner—David F. and May Capelli, 63 Webster St., San Francisco.
Architect—John J. Foley, 770 5th Ave., San Francisco.
Contractor — S. Ferroni & Son, 1926 Filbert St., San Francisco.

Contract Awarded for Excavating, Rough Carpentry and Concrete Work.
APARTMENTS Cost, $75,000
SAN FRANCISCO. NE Sutter and Taylor Streets.
Six-story Class C apartment house (25 2 and 3-room apartments).
Owner—Geo. P. Smith.
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.
Contractor—Atlas Concrete Co., 180 Jessie St., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $18,000
SAN FRANCISCO. Buchanan and Herman Streets.
Two-story and basement frame and plaster apartment house.
Owner—W. S. McLeod.
Architect—Meyer & Johnson, Bankers' Investment Bldg., San Francisco.

To be Done by Day's Work.
APARTMENTS Cost, $250,000
SAN FRANCISCO. E Stockton 90 N California.
Four-story and basement brick (17) apartments.
Owner—V. Fassio, 517 New Call Bldg., San Francisco.
Plans by owner.

Contract Awarded.
APARTMENTS Cost, $12,000
OAKLAND. E Elston Ave. 495 S Hampel Street.
Two-story frame 16-room apartments.
Owner—M. A. Wallin.
Architect—None.
Contractor — California Builders Co., 1531 Franklin St., Oakland.

Plans Completed.
APARTMENTS Cost, $25,000
SAN FRANCISCO. NW Hyde and Vallejo Streets.
Three-story and basement frame (12) apartments.
Owner—Devencenzi Bros., 1071 Union St., San Francisco.
Architect—None.

Plans Being Figured.
APARTMENT HOUSE Cost, $16,000
SAN FRANCISCO. Golden Gate Ave. near Scott St.
Three-story frame apartment house (6 3-room apartments).
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.
Figures are being taken for a general contract. Steam heating system with oil burner.

Contract Awarded.
APARTMENTS Cost, $30,000
FRESNO, Cal. 2429-43 Belmont Ave.
Frame store and apartments.
Owner—J. P. Cackler, 3362 Belmont Ave., Fresno.
Architect—Not given.
Contractor—Dow & Cannon, Fresno.

Contract Awarded.
APARTMENTS Cost, $15,122
RICHMOND, Contra Costa Co., Cal. NE 10th and Roosevelt.
Frame apartment house (8 apts.)
Owner—W. W. Felch, 614 10th St., Richmond.
Architect—None.
Contractor—Carl Overaa, 2105 Roosevelt Ave., Richmond.

Owner to Take Sub-figures Next Week.
APARTMENTS & STORE Cost, $[illegible]
SAN FRANCISCO. Channel St. near California.

OFFICE BUILDING SITE FOR SALE

Will sell fine Oakland office building site, 50x103 on 15th near City Hall, reasonable. Miss Sherlock, 351 12th St., Oakland.

Three-story brick apartment and store building (20 2-room apts.)
Owner—Julia O. Zerweck, 145 E Wyandotte St., Stockton.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.

Sketches Being Prepared.
APARTMENTS Cost, $20,000
SUSANVILLE, Lassen Co., Cal.
Two-story frame apartment house
Owner—Withheld.
Architect—Woollett & Lamb, Haggelstein Bldg., Sacramento.

SANTA ROSA, Sonoma Co., Cal.—Sydner Kurlander, 1007 Humboldt St, Santa Rosa, has purchased McGregor property on Humboldt street, and plans to erect three apartment buildings each containing four apartment flats.

BANKS

Segregated Figures to be Taken Next Week.
ALTERATIONS Cost, $25,000
HAYWARD, Alameda Co., Cal.
Alter and extend banking room in brick building.
Owner—Bank of Hayward.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

Figures to be Taken About April 15th.
BANK Cost, $350,000
SACRAMENTO, Cal. SW Sixth and K Streets
One-story Class A bank building.
Owner—Bank of Italy.
Architect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
Figures will be taken for a general contract.

Contract Awarded.
BANK Cost, $——
PLACERVILLE, El Dorado Co., Cal
One-story reinforced concrete bank building.
Owner—Bank of El Dorado County
Architect—E. C. Hemmings, Ochsner Bldg., Sacramento.
Contractor — Wm. Murcell, Ochsner Bldg., Sacramento.

BONDS

SANTA ROSA, Sonoma Co., Cal.—Bonds of $25,000 voted in Lewis School District to purchase grounds and erect new school.

RIVERSIDE, Riverside Co., Cal.—May 10 is the date set to vote bonds of $500,000 for school improvements.

GLENDALE, Los Angeles Co., Cal.—The Board of Education of Glendale has decided to call a special election to vote bonds in the sum of $600,000 for a new high school. John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles, and Geo. M. Lindsey, Glendale, Associate are the architects.

REDWOOD CITY, San Mateo Co., Cal.—Election will be held April 18 in Ravenswood School District to vote bonds of $28,000 to finance construction of a new school. Trustees of the district are: Amos A. Davis, E. P. Lam and L. H. Brown.

MODESTO, Stanislaus Co., Cal.—Until April 11, 10 A. M., bids will be received by supervisors for purchase of $36,000 bond issue of Turlock School District; proceeds of sale to finance school improvements.

NEWPORT BEACH, Cal.—The $25,000 bond issue for dredging harbor near Yacht Club was defeated at special election.

ARCADE, Sacramento Co., Cal.—Election held in Arcade School District to vote bonds of $25,000 for new school failed to carry.

NEWPORT BEACH, Cal.—The $21,000 bond issue to construct bridge over Santa Ana river on road to Santa Ana carried. Bridge will have 45-ft. steel girder span with approaches about 300 feet long consisting of fill between wooden bulkheads and paved with 8-in. concrete. Bids will be taken in about 8 weeks. Paul E. Kressly, H. W. Hellman Bldg., Los Angeles, City Engineer.

MOORPARK, Ventura Co., Cal.—Bonds of $25,000 voted for water system. Engineers F. G. Desserly and E. R. Bowen, Central Bldg., Los Angeles, will prepare plans.

PATTERSON, Stanislaus Co., Cal.—Bonds of $20,000 voted to complete grammar school building for which $60,000 were originally voted.

DINUBA, Tulare Co., Cal.—Bonds of $90,000 voted in Dinuba Elementary School District to finance construction of new grammar school, plans for which have been prepared by Architect Ernest J. Kump, Rowell Bldg., Fresno.

PACIFIC GROVE, Monterey Co., Cal.—April 21 is date set to vote bonds of $40,00 in Pacific Grove High School District to finance erection of industrial arts building on high school grounds. Trustees of district are: H. G. Jorgensen, J. J. Williams and O. E. Chase.

DANVILLE, Contra Costa Co., Cal.—Bonds of $20,000 voted in Danville School District to erect new grammar school.

MORGAN HILL, Santa Clara Co., Cal.—April 17 is date set in Morgan Hill School District to vote bonds of $44,000 for a new grammar school.

BAKERSFIELD, Kern Co., Cal.—Bonds of $225,000 voted to finance school additions sold by county supervisors for a premium of $780.
(41130) 1st report Jan. 19; 3rd, Feb.

COLUSA, Colusa Co., Cal.—Bonds of $795,000 voted to finance construction of a system of good roads; 50 miles of paved roads and 36 miles of gravel roads.

MIAMI, Ariz.—Supervisors approve use of state 75% fund, apportioned to Gila Co., for construction work on Superior-Miami highway, widening 3 miles of roadway. Thos. Maddock, state engineer.

CHURCHES

Contract to be Awarded Monday.
CHURCH Cost, $——
OAKLAND. NW 41st and Gilbert Sts.
One-story frame and plaster (tile roof) Sunday School building as first unit of church.
Owner—Sixth Church of Christ Scientists.
Architect—Wm. Milwain, Albany Bldg., Oakland.
Contractor—F. W. Maurice, 1362 E-25th St., Oakland.

Plans Being Figured.
ADDITION Cost, $100,000
LOS ANGELES, Cal. Second and Main Streets, St. Vibiana's Cathedral.
Addition to Cathedral.
Owner—Roman Catholic Archbishop
Architect—John C. Austin, Baker-Detwiler Bldg., Los Angeles.
Macdonald & Driver, Douglas Bldg., have been awarded the contract for constructing foundation. Baker Iron Works has the contract for structural steel work. Bids are being taken on general contract work for the addition and remodelling the present building and constructing a Class A balcony. Bids will be taken separately for marble work, art glass, wrought iron work and painting and decorating.

Plans Being Prepared.
CHURCH Cost, $10,000
VALLEJO, Solano Co., Cal. Georgia St.
Two-story frame church.
Owner—Episcopal Church.
Architect—Chas. Perry, 514 Main St., Vallejo.

FACTORIES & WAREHOUSES

Contract Awarded—Sub-Figures Being Taken.
WAREHOUSE Cost, $33,900
PASO ROBLES, San Luis Obispo Co., Calif.
Reinforced concrete warehouse.
Owner—California Almond Growers Association.
Construction Engineer—D. R. Bailey, 2216 25th St., Sacramento.
Contractor—Jas. L. McLaughlin, 251 Kearny St., San Francisco.

Owner Taking Figures.
WAREHOUSE, ETC. Cost, $——
SAN FRANCISCO. Natoma and Fourth Streets.
One-story brick warehouse and office building.
Owner—Fernald Co., 221 Tehama St., San Francisco.
Architect — E. E. Young, 251 Kearny St., San Francisco.

Preliminary Plans Being Prepared.
ALTERATIONS Cost, $——
SAN FRANCISCO. NW Annie and Jessie Streets.
Extensive alterations to building for printing plant of S. F. Examiner.
Owner—Wm. R. Hearst.
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., S. F.

Sketches Prepared.
FACTORY BUILDING Cost, $100,000, building and equipment.
OAKLAND. Location Not Selected.
Brick or concrete factory building.
Owner—Universal Products Co., Thayer Bldg., Oakland.
Architect — F. H. Horswill, Thayer Bldg., Oakland.

Plans Completed.
WAREHOUSE Cost, $26,000
SAN FRANCISCO. W Guerrero 132 N 16th.
Two-story and concrete warehouse and packing plant and 1-story concrete driveway.
Owner—National Ice Cream Co., 371 Guerrero St., San Francisco.
Architect—Wm. Mooser, Nevada Bank Bldg., San Francisco.

Figures to be Taken Shortly.
WAREHOUSE Cost, $150,000
SACRAMENTO. N L St. between 6th and 7th Sts.
Five-story mill construction warehouse building.
Owner—Breuner Co.
Architect—Jas. S. and Chas. L. Dean, City Library Bldg., Sacramento.

OROVILLE, Butte Co., Cal.—Wyandotte Olive Growers' Association, plans purchase of Sunical Packing Company's plant in Oroville for an olive packing plant. If the plant cannot be secured for a reasonable figure the Olive Growers' propose to construct a new plant on property on which options have been secured.

YUBA CITY, Sutter Co., Cal.—Sun-Maid Raisin Growers' Association, appropriates $70,000 to erect fireproof packing plant in this city. Erection of plant depends upon Association securing sufficient contracts from growers.

WOODLAND, Yolo Co., Cal.—E. S. Barnes, Woodland, $1,545, low bidder to construct additions to county warehouse. Bid taken under advisement.

PORTLAND, Ore.—Until April 6, bids will be received by Public Dock Commission, to construct transit shed on Williamette Iron and Steel Works, known as Unit B Municipal Terminal No. 1; shed will be 188 ft. wide, 500 ft. long.

FLATS

Contract Awarded.
FLATS Cost, $12,255
SACRAMENTO. 2820-22 J Street.
Two-story frame (4) flats.
Owners—Mr. and Mrs. T. M. Chamberlain, 727 8th St., Sacramento.
Architect—None.
Contractor—J. T. Ransdall, 1055 41st St., Sacramento.

Contract Awarded.
FLATS Cost, $12,000
SACRAMENTO, Cal. No. 617 Twenty-fourth Street.
Two-story frame (4) flats and garage.
Owner—Geo. James, 619 24th St., Sacramento.
Architect—None.
Contractor—W. C. Keating, Capitol National Bank Bldg., San Francisco.

Contract Awarded.
FLATS Cost, $9,000 each
SAN FRANCISCO. NE Balboa and 26th Ave. and N Balboa 38-9 E 26th Ave. Two two-story and basement frame flat building (2 flats each)
Owner—S. A. Wood, 53 Presidio Ave., San Francisco.
Designer and Contractor—J. H. Thorp, 654 21st Ave., San Francisco.

Plans Being Figured.
FLATS Cost, $11,000
SAN FRANCISCO. E 22nd Ave. S Lake Street.
Two-story frame flat building (2 5-room flats and basement garage)
Owner—Withheld.
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.
Figures are being taken for a general contract.

GOVERNMENT WORK AND SUPPLIES

SAN FRANCISCO—Until April 3, 11 A. M., under Order No. 3638/SP4, bids will be received by U. S. Engineer Office, for furnishing and delivering Rio Vista, Solano county: 100 lbs. putty; 25 gallons smokestack paint; 4 quarts aluminum paint; 300 lbs. white zinc; 2 gallons black varnish; 2 gallons varnish remover.

SAN FRANCISCO—Barrett & Hilp, 918 Harrison Street, are taking sub-figures on all branches of work for their bid on the construction of nineteen reinforced concrete hospital buildings for the Veterans Hospital at Palo Alto, Santa Clara County.

SEATTLE, Wash.—Until April 6, under Requisition SC-3528-3549-3546, bids will be received by Alaskan Engineering Commission, for furnishing and delivering Crocus cloth; screw plate; twist drills; machine screws; wood screws; lineman's equipment; wireless equipment; electrical materials, etc. Further details may be had from San Francisco offices of Commission in the Customhouse.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for furnishing and delivering materials to Navy Yards, date for opening bids as noted at end of each paragraph:
Schedule 9469, for Mare Island, 50,000 pounds pulverized silica; April 4.
Schedule 9540, for Mare Island, 1 armature coil winder, 1 spreader or former, 1 coil tapping and coil winding machine and 1 magnet wire tension device; April 11.

WASHINGTON, D. C.—Following bids received by Bureau of Yards and Docks, Navy Department, under Specification No. 4574, for operating and power building systems, walks, sewer and water systems at the naval radio and compass stations, Tatoosh Island, Wash.:
Item (1) work complete; (2) for 8-in. sewer outlet; (3) sewer work indicated excepting the 8-in. sewer outlet and soil piping to new operating and power building:

Bert Ward, 418 Peoples Bank Bldg., Seattle Wash., Item (1) $14,880.85, 90 days; (2) $600; (3) $400.
Allen Pope, 4722 15th St., N. W., Washington, Item (1) $23,900, 90 days; (2) deduct $500; (3) deduct $500.
George E. Wright (Inc.), 1454 Monadnock Bldg., Chicago, Item (1) $18,950, 90 days; (2) $850; (3) $800.
Shirley Cowan, Tatoosh, Wash., Item (1) $24,341, 90 days; (2) $1635; (3) $738.
W. F. Martens, 112 Culter Bldg., Rochester, N. Y., Item (1) $18,613, 140 days; (2) $700; (3) $500.

HALLS AND SOCIETY BUILDINGS

Preliminary Plans Being Prepared.
UNDERTAKING PARLOR Cost, $20,000
SAN FRANCISCO. California St.
Two-story Class C undertaking parlor building.
Owner—Mission Undertaking Co.
Architect—Morrow & Garren, Chronicle Bldg., San Francisco.

Contract Awarded.
GYMNASIUM Cost, $37,189
SAN FRANCISCO. N Ocean Ave 80 E Faxon Ave.
One-story brick gymnasium.
Owner—Pacific Hebrew Orphan Asylum & Home Society, 11 Homewood Av., San Francisco.
Architect—A. H. Jacobs, 110 Sutter St., San Francisco.
Contractor—Ira W. Coburn, Hearst Bldg., San Francisco.

Contracts Awarded—Plastering Bids Wanted.
HOME Cost, $——
SAN FRANCISCO. Mission, Silver and Lisbon Streets.
Class A Home.
Owner—Hebrew Home for Aged and Disabled.
Architect—S. L. Hyman, Foxcroft Bldg, San Francisco.
Metal Doors and Window Frames, Skylights, Roof Ventilators, Etc., awarded to Guilfoy Cornice Wks., 209 8th St., at $2129.
Roofing Felt, Asphaltum Gravel, Etc., to J. L. Rapheld Roofing Co., at $2833.50.
Ornamental Iron Work bids in and under advisement.
Plastering bids now being taken.

To be Done by Day's Work—Construction to Start Next Week.
CLUB BLDG. Cost. $250,000
SAN FRANCISCO. S Post W of Mason.
Six-story and basement Class A club building.
Owner—Union League Club, John L. McNab. President.
Architect—T. Paterson Ross, 310 California St., San Francisco.
Steel awarded to The Western Iron Works, 141 Beale St.

SAN FRANCISCO—The San Francisco Ladies' Protection and Relief Society have purchased the block bounded by Octavia, Francisco, Laguna and Bay Sts., and will erect some time in the future, a group of buildings for a children's home.

LOS ANGELES, Cal.—H. M. Baruch, I. W. Hellman Bldg., Los Angeles, was low bidder at $99,720 on general contract for erecting a Masonic Temple at corner of 1st and Chicago Sts., for Hollenbeck Lodge, F. & A. M. Low bidders on other contracts were: F. D. Stephenson on electrical work at $1660; E. W. Crowell on plumbing at $3285; and G. C. Sutton on heating at $4392. Arthur W. Angel and John C. Smith, 325 H. W. Hellman Bldg., Los Angeles, associated architects. Two-story, 116 x 140 ft., stores an dsocial hall, kitchen and service department in 1st floor; club rooms and 2 lodge rooms in 2nd story; brick construction, tapestry brick facing, terra cotta trim, plate glass, steel beams, composition roofing, pine trim, cement and maple floors, gas heating.

HOSPITALS

Plans Being Figured—Bids Close April 24, 1922.
ALTERATIONS Cost, $——
NEAR SAN LEANDRO.
House-moving, underpinning, concrete foundations, etc., and concrete oil tank for the Alameda County Hospital.
Owner—Alameda County, Geo. E Gross Clerk.
Architect—H. H. Meyers, Kohl Bldg., San Francisco.
All bids received on March 20th were rejected. The lowest bid was submitted by H. E. McCauley at $16,485.

Contract Awarded.
HOSPITAL Cost, $350,000
SEATTLE WASH. 50th Avenue NE.
Five-story fireproof hospital 230x70 ft.
Owner—Sisters of the Sacred Heart.
Architect—John Graham, Green Bldg., Seattle, Wash.
Contractor—Scherer & Carlson, 111 Pine St., Seattle, Wash.

REDWOOD CITY, San Mateo Co., Cal. —Until April 17, 10 A. M., bids will be received by Elizabeth M. Nash, County Clerk, for steam heating ventilation, steam boiler plant and refrigeration for county hospital. **See call for bids under official proposal section in this issue.**

SAN FRANCISCO—Until April 3, 3 P. M., bids will be received by J. S. Dunnigan, clerk, Board of Supervisors, for furnishing and installing one high pressure dressing sterilizer for Central Emergency hospital. Specifications may be had from clerk.

HOTELS

Contract Awarded.
HOTEL Cost, approximately $1,000,000
BERKELEY. Hearst Ave. and Euclid Street.
Fireproof students hotel.
Owner—University Hotel Corporation, E. L. Harper, 2014 Shattuck Ave., Berkeley.
Architect—Bliss & Faville, Balboa Bldg., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.
Construction will not be started for some time as the project is now being financed.

Plans Being Prepared.
HOTEL & STORE Cost, $158,000
SAN FRANCISCO. SW Eddy and Mason Sts.
Complete 6-story and basement brick hotel and store building, 158-rooms (only the four walls and partitions have been completed).
Owner—J. K. Prior Estate.
Lessee—Della Steele.
Architect—Kenneth MacDonald, 234 Pine St., San Francisco.
For seven years the structure has stood an uncompleted and unused shell. Architect Earle R. Scott, deacesed, prepared the original plans.

RENO, Nevada—Geo. Wingfield has had plans prepared for a five-story fireproof hotel to be erected on Center street on the site of the Russ House. It will be of brick or reinforced concrete construction and will cost approximately $220,000.

ARMONA, Kings Co., Cal.—Until April 10, 12 M., bids will be received by H. C. Pulliam, clerk, Armona School District, for furnishing and delivering 400 auditorium chairs and 30 school desks. **See call for bids under official proposal section in this issue.**

POWER PLANTS

SPOKANE, Wash.—Hedlund Box and Lumber Co., operating in Stone St., will erect power house and factory to cost $75,000. D. C. Hedlund, president.

CALIFORNIA—San Joaquin Light & Power Co, Fresno, has received permit from Federal Power Commission to construct hydraulic power plant on north and west forks of Kings river; project will cost $50,000,000, and will develop 250,000 horsepower and 350,000 kilowatts.

PUBLIC BUILDINGS

Plans Being Figured—Bids Close April 12, 1922, 3 P. M.
EXHIBIT STRUCTURE Cost, $16,000
SAN FRANCISCO. In a Nave at the Ferry Building.
Exhibit structure.
Owner—City & County of S. F.
Architect—Bureau of Architecture, City Hall.

Commissioned to Prepare Plans.
HOME Cost, $90,000
STOCKTON, San Joaquin Co., Cal. San Joaquin County General Hospital.
Two-story class C Old Peoples Home building (L-shaped).
Owner—San Joaquin County.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.
Competitive plans were received from the following architects: Louis S. Stone, Wright & Satterlee, and Losekann & Clowdsley. Construction will be started in July.

SACRAMENTO, Cal.—Clyde L. Seavey city manager, working out plans to secure funds with which to finance construction of municipal swimming pools in various sections of city.

OAKLAND, Cal.—Until April 4, 2 P. M., bids will be received by Henry F. Vogt, Secretary of the Board of Park Directors, 407 City Hall, to construct a comfort station in Lakeside Park Specifications may be had from the Secretary.

SAN FRANCISCO—Board of Public Works on recommendation of City Engineer M. M. O'Shaughnessy, requests supervisors to authorize construction of public convenience station in Ashburton Place off Grant Ave. between Post and Sutter streets; estimated cost, $9,500.

PIEDMONT, Alameda Co., Cal.—City Trustees vote to construct civic center in territory bounded by Vista, Highland, Mountain and Magnolia Aves. City Engineer E. C. Prather is preparing zones.

LOS ANGELES, Cal.—L. A. Geisler & Co., 168 S Middleton Place, Huntington Park, were low bidders at $50,987, for erecting 3 infirmary buildings at county farm. On all other propositions on which bids were taken, Stanton & Hubert, 1210 W 68th St., Los Angeles, were low bidders. The bids were: L. A. Geisler & Co., (1) for 1 building, 26-gauge metal lath, $18,990.55, (a) 28-gauge metal lath, no bid; (b) Button-lath, deduct $250; (2) 2 buildings, $35,332.20; (a) no bid; (b) deduct $550; (3) 3 buildings, $50,878.20; (a) no bid; (b) deuct $825; (4) for each additional building $17,750; (a) no bid; (b) deduct $285. Stanton & Hubert, (1) $18,561; (a) $18,517; (b) $18,361; (2) $34,224; (a) $34,136; (b) $33,824; (3) $50,987; (a) $50,855; (b) $50,387; (4) $15,904; (a) $15,860; (b) $15,704.
The buildings will each be one-story, 34x160 ft., frame and plaster construction, shingle roofs, pine trim, cement and maple floors. Plans by Wm. Davidson, county mechanical engineer. Bids taken under advisement.

VISALIA, Tulare Co., Cal.—Until April 1, 2 P. M. bids will be received by Norman C. Wolff, county purchasing agent, to install burglar alarm system in county treasurer's office. Specification may be had from purchasing agent.

RESIDENCES

Sketches Being Prepared.
RESIDENCE Cost, $6,500
MILL VALLEY, Marin Co., Cal.
One-story hollow tile residence (6 rooms and garage).

Owner—Withheld.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $10,000
BERKELEY, Cal. Thousand Oaks.
Two-story frame and plaster 8-room residence.
Owner—Mrs. F. D. Mason.
Architect—Warren C. Perry, Newhall Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, $6,620
SAN FRANCISCO. Merritt Terrace.
General contract for two-story and basement 7-room frame residence with garage in basement.
Owner—Mr. Keller.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.
Contractor—Jas. Arnott, 4165 20th St., San Francisco.
Painting awarded to W. Brown. Plumbing will be awarded shortly.
Marcel Gas Radiator system of heating, and Humphrey automatic water heater are specified.

Being done by Day's Work and Subcontracts.
RESIDENCE Cost, $12,000
BERKELEY, Cal. Claremont.
Two-story frame Dutch Colonial style residence.
Owner—Dr. J. N. Force.
Architect—Warren C. Perry, Newhall Bldg., San Francisco.
Superintendent of Construction—Geo. B. Sturgeon, Newhall Bldg., San Francisco.
Sub-figures will be taken on all parts of the work except the excavating, concrete and carpentry work, which will be done by day's labor under the supervision of Mr. Sturgeon.

Plans Being Prepared.
RESIDENCE Cost, $13,000
PIEDMONT, Alameda Co., Cal. Wildwood Gardens.
Two-story 7-room frame and plaster residence and garage.
Owner—E. M. Earle.
Architect—John Hudson Thomas, 1st National Bank Bldg., Berkeley.

Sketches Being Prepared.
RESIDENCE Cost, $7,000
BURLINGAME, San Mateo Co., Cal.
One-story frame residence.
Owner—Mr. Joost.
Architect—John Hudson Thomas, 1st National Bank Bldg., Berkeley.

Plans Being Prepared.
RESIDENCE Cost, $8,000
BERKELEY, Alameda Co., Cal. Berkeley Heights.
Two-story frame and plaster residence
Owner—Dr. A. B. Howe.
Architect—John Hudson Thomas, 1st National Bank Bldg., Berkeley.

Plans Being Prepared.
RESIDENCE Cost, $——
SANTA CRUZ MOUNTAINS.
One-story redwood log cabin (large sleeping porch, living room, kitchen, dressing rooms, etc.
Owner—Mr. C. F. Cherry.
Architect—John Hudson Thomas, 1st National Bank Bldg., Berkeley.

RESIDENCE Cost, $6,000
Plans to be Prepared.
CARMEL, Monterey Co., Cal
One-story frame residence.
Owner—W. C. Butcher.
Architect—John Hudson Thomas, 1st National Bank Bldg., Berkeley.

Plans to be Prepared.
RESIDENCE Cost, $50,000
SAN FRANCISCO. N Pacific Ave. bet. Baker and Lyon Sts., Lot 51x132.
Residence.
Owner—G. Albert Lansburgh.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.

Contract Awarded
RESIDENCE Cost, $11,675
PALO ALTO, Santa Clara Co., Cal. Lot 10, San Juan Sub Division No. 2, Campus of Leland Stanford Jr. University.
Two-story frame residence
Owner—Prof. Robert E. Swain, Stanford University, Palo Alto.
Architect—Birge M. Clark, Stanford University, Palo Alto.
Contractor—M. F. W. Fox, Palo Alto.
Plumbing awarded to Frederick W. Snook Co., 596 Clay St., San Francisco. $1082.

Owner Taking Sub-Figures—To be Done by Day's Work.
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. Eucalyptus Road.
Two-story and basement frame and plaster residence (7 rooms and separate garage).
Owner—George E. Lewis.
Architect—W. T. Steilberg, Flatiron Bldg., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $7,000
REDWOOD CITY, San Mateo Co., Cal.
Two-story frame and brick veneer residence.
Owner—Mrs. Stanley P. Doyle.
Architect—J. C. Thayer, 524 Sheldon Bldg., San Francisco.

Segregated Figures to be Taken in Ten Days.
RESIDENCE Cost, $20,000
LOS GATOS, Santa Clara Co., Cal.
Two-story frame and plaster residence (11 rooms and separate garage).
Owner—Louis Bruce.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

To be Done by Day's Work and Subcontracts.
DWELLING Cost, $8,000
BERKELEY. San Mateo Road near Indian Rock Ave.
Two-story 8-room frame dwelling.
Owner—E. F. Louldeck, 1949 Rose St., Berkeley.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Plans Being Prepared.
DWELLINGS Cost, $9000 each
SAN RAFAEL, Marin Co., Cal.
Three 2-story frame dwellings.
Owner—Jas. Hyde, San Rafael.
Architect—Meyer & oJhnson, Bankers Investment Bldg., San Francisco.

Figures Being Taken From a Selected List of Contractors.
RESIDENCE Cost, $15,000
SAN FRANCISCO. St. Francis Wood.
Two-story frame residence.
Owner—Mr. Donaldson.
Architect — Miss Julia Morgan, Merchants' Exchange Bldg., S. F.

Contract Awarded
RESIDENCE Cost, $12,400
PIEDMONT, Alameda Co., Cal. Tyson property.
Two-story frame 8-room residence.
Owner—J. J. Valentine, 201 Ramona St., Piedmont.
Architect—None.
Contractor—M. E. Hopper & Son, 1117 Webster St., Oakland

Plans Being Prepared.
RESIDENCE Cost, $6000
ATHERTON, San Mateo Co., Cal.
One and one-half story 7-room frame residence.
Owner—Mrs. Kunst.
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.

Contract Awarded.
BUNGALOW Cost, $5,000
MAYFIELD, Santa Clara Co., Cal.
One-story 5-room bungalow.
Owner—Dr. C. McCarthy.
Architect—Arthur G. Scholz, Phelan Bldg. San Francisco.
Contractor—D. W. Ross, 180 Jessie St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $10,000
MARYSVILLE, Yuba Co., Cal. F St. between 6th and 7th Sts.
Two-story frame and plaster residence.
Owner—Arthur White.
Architect—None.
Contractor—Geo. W. Tolley, Gridley, Calif.

SCHOOLS

Bids to be Asked Shortly.
SCHOOL Cost, $25,000
MADERA, Madera Co., Cal.
One-story 4-room brick and concrete school (clay tile roof.)
Owner—Ripperdan School District.
Architect—Ernest J. Kump, Rowell Bldg., Fresno.

Contractor Taking Sub-figures.
PHYSICS BLDG. Cost, $421,448
BERKELEY, Alameda Co., Cal. University Grounds.
Two-story reinforced concrete Physics building (Le Conte Hall).
Owner—University of California.
Architect—John Galen Howard, 1st National Bank Bldg., San Francisco.
Contractor — I. M. Sommers, Balboa Bldg., San Francisco.

Plans Being Prepared.
BUILDING & ADDITION Cost, $——
TRANQUILITY, Fresno Co., Cal.
Concrete (tile roof) machine shop, Farm Mechanics Building and addition to administration building.
Owner—Tranquility Unon High School District.
Architect—Ernest J. Kump, Rowell Bldg., Fresno.

Plans Being Figured.
ADDITION Cost, $70,000
STOCKTON, San Joaquin Co., Cal El Dorado School.
Brick, concrete and frame 8-room addition to school and new heating system.
Owner—City of Stockton School Dist.
Architect—Frank V. Mayo, Yosemite Bldg., Stockton
Supervising Architects—Davis-Heller-Pearce Co., Delta Bldg., Stockton.

Figures to be Taken in Two Weeks.
ADDITION Cost, $60,000
STOCKTON, San Joaquin Co., Cal. North School.
Brick, concrete and frame 8-room addition to school.
Owner—City of Stockton School Dist.
Architects — Davis-Heller-Pearce Co., Delta Bldg., Stockton.

Figures to be Taken in a Few Days.
SCHOOLS Cost, $200,000
MANTECA, San Joaquin Co., Cal.
Three one-story reinforced concrete and brick school buildings.
Owner—Manteca Union High School District.
Architects — Davis-Heller-Pearce Co., Delta Bldg., Stockton.
Bids will be taken for a general contract and mechanical equipment.

Figures to be Taken in Three Weeks.
SCHOOL Cost, $80,000
STOCKTON, San Joaquin Co., Cal.
Brick, concrete and frame high school
Owner—City of Stockton.
Architect—Louis Stone, Belding Bldg., Stockton.
Supervising Architects—Davis-Heller-Pearce Co., Delta Bldg., Stockton.

Plans Being Prepared.
SCHOOL Cost, $160,000
RENO, Nevada.
Two-story fireproof Junior High School 85x200.
Owner—Reno School District
Architects—G. A. Ferris & Sons, Reno.

Contracts Awarded.
SCHOOL Cost, $115,000
LIVERMORE, Alameda Co., Cal.
One and two-story hollow tile school (8 classrooms, auditorium, gymnasium, manual training, domestic science rooms, etc.)
Owner—Livermore Grammar School District.
Architect — Henry H. Meyers, Kohl Bldg., San Francisco.
General Contract to E. T. Leiter & Son, Call Bldg., San Francisco, $90,887. (Original bid, $94,887, deductions (4-a) $2000 omit locker and shower rooms, (f) $1000 omit finish in second story, (9) $1000 omit cement painting.
Plumbing to Carl T. Doell, 467 21st St., Oakland, $5060 (Original bid, $5858 deduct 3 and 4 for shower and locker rooms).
Electrical Work to M. E. Ryan, Clunie Bldg., San Francisco, $3147. (Origi-

nal bid, $3249, deduct $200 on 1 and 2 for shower and locker rooms.)
Heating to W. K. Nottingham, 368 10th St., Oakland, $8,686.30. (Original bid, $10,404).

Segregated Figures Being Taken—Bids Close April 24, 1922, 8 P. M.
SCHOOL Cost, $110,000
LONG BEACH, Los Angeles Co., Cal.
Brick and hollow tile school (12 rooms and auditorium).
Owner—Long Beach School District.
Architects—Allison & Allison, 1405 Hibernian Bldg., Los Angeles, and H. Alfred Anderson, Palace Theatre Bldg., Long Beach.

Plans Being Figured—Bids Close April 17, 1922, 4:30 P. M.
SCHOOL Cost, $——
OAKLAND, Alameda Co., Cal. University High School.
General equipment work, including cabinet work, millwork, rough hardware, finish hardware, sheet metal work, miscellaneous iron, glass, glazing, painting, gas and electric ranges, plumbing and electrical work for high school.
Owner—Board of Education of Oakland
Architect—Construction Dept. Oakland Board of Education (C. W. Dickey) Chabot Hall, 11th and Jefferson Sts., Oakland.
See call for bids under official proposal column.

Plans Adopted.
SCHOOL Cost, $50,000
SUSANVILLE, Lassen Co., Cal.
One-story and basement 4-room fireproof school.
Owner—Susanville School District.
Architect—Woollett & Lamb, Hazelstein Bldg., Sacramento, and Ralph D. Taylor of Susanville, associated.

Plans Being Figured—Bids Close Apr. 10, 2 P. M.
GYMNASIUM Cost, $——
DOS PALOS, Merced Co., Cal.
Gymnasium Bldg.
Owner—Dos Palos Joint High School District, Frank B. Marks, Secretary Dos Palos, Calif.
Architect — Willson J. Wythe, Central Bank Bldg., Oakland.
Engineer—W. E. Bedesen, Merced, Cal.
See call for bids under official proposal section in this issue.

Bids to be Called For This Week.
SCHOOL Cost, $200,000
RICHMOND, Contra Costa Co., Cal. Ninth and Bissel Avenue.
One and three-story reinforced concrete and hollow tile Junior High School, 216x321.
Owner—City of Richmond School Dist
Architect—Jas. T. Narbett, 910 Macdonald Ave., Richmond.

Bonds Sold—Figures to be Taken in Two Weeks.
SCHOOL Cost, $75,000
ARBUCKLE, Colusa Co., Cal.
One-story brick school (6 rooms and auditorium); concrete floors and corridors, steam heating system.
Owner — Arbuckle Union Grammar School District.
Architect—Jens C. Petersen, Peoples Savings Bank Bldg., Sacramento.
Bids will be taken for a general contract, except the mechanical equipment for which separate bids will be asked.

Plans Being Figured—Bids Close April 12, 7.30 P. M.
ADDITION Cost, $70,000
STOCKTON, Alameda, San Joaquin Co.,
Brick, concrete and frame 8-room addition to El Dorado school.
Owner—City of Stockton, Ansel S. Williams, secretary Board of Education.
Architect—Frank Mayo, Yosemite Bldg, Stockton.
Bids will be taken for a general contract with separate bids for heating and ventilating system. **See call for bids under official proposal section in this issue.**

Ready for Figures About May 1st.
SCHOOL Cost, $90,000
LODI, San Joaquin Co., Cal.
One-story hollow tile school (brick facing and slate roof).
Owner—Lodi Grammar School District.
Architect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.

Plans Being Figured—Bids Close Apr. 10, 1922.
SCHOOL Cost, $——
HANFORD, Kings Co., Cal.
One-story brick school.
Owner—Chinese School Association, Harry Lee, Secretary, 11½ China St., Hanford, Calif.
Architect—Glass & Butner, Cory Bldg., Fresno.
Plans may be had from the Secretary of the Association.
A copy of the official proposal appears in this issue.

Plans Being Figured—Bids Close April, 24, 1922, 8 P. M.
SCHOOL Cost, $——
CAMPBELL, Santa Clara Co., Cal.
Terra cotta finish and mason work, Fibrestone or composition flooring, composition blackboards, lathing and plastering, composition roof, terra cotta tile roof for reinforced concrete school.
Owner— Campbell-San Tomas Union Grammar School District.
Architect—W. H Weeks, 369 Pine St., San Francisco.
Plans may be obtained from the architect.
See call for bids under official proposals in this issue.

Plans Being Prepared.
SCHOOL Cost, $100,000
AUBURN, Placer Co., Cal.
Class C school (brick facing and tile roof).
Owner—Placer County Union High School District.
Architect—Jas. S. and Chas. L. Dean, City Library Bldg., Sacramento.
A bond election will be held in May.

Segregated Figures to be Advertised For This Week.
ADDITION Cost, $25,000
RICHMOND, Contra Costa Co., Cal. Nystrom School.
Four-room and auditorium hollow tile and plaster addition to school.
Owner—City of Richmond School Dist.
Architect—Jas. T. Narbett, 910 Macdonlad Ave., Richmond.

WILLOWS, Glenn Co., Cal.—Until April 12, 8 P. M., bids will be received by H. G. Rawlins, clerk, Willows Union High School District, for furnishing and installing lighting fixtures and 100 opera chairs in school. W. H. Weeks, 369 Pine St., San Francisco, architect. **See call for bids under official proposal section in this issue.**

STOCKTON, San Joaquin Co., Cal.—Until April 5, 7.30 P. M., bids will be received by High School Board, Ansel S. Williams, secretary, for lathing and plastering in High School. Plans may be had from office of Superintendent of Schools, Lindsay and San Joaquin streets.

WATSONVILLE, Santa Cruz Co., Cal.—Lewis H. Bailey, Santa Cruz, at $2178, awarded contract to erect addition of one room to Carrolton school.

SALINAS, Monterey Co., Cal.—Until April 4, 8 P. M. bids will be received by Arthur Walter, secretary, Board of Education, for furnishing and delivering among other materials, playground supplies. Specifications will be furnished on request.

BAKERSFIELD, Kern Co., Cal.—Until April 24, 8 P. M. bids will be received by W. J. Walters, Clerk, Kern County Union High School District, for erection of additions to boiler plant and complete installation of electrical distributing system, plans by Architect Chas. H. Biggar, 1st National Bank Building, Bakersfield. **See call for bids under official proposal section in this issue.**

SAN FRANCISCO—Until April 12, 3 P. M., bids will be received by Board of Public Works for finish hardware, estimated cost $9,000; and roofing, estimated cost $9,000, for North Beach (Galileo) High School now in course of construction in Van Ness Ave. between Bay and Francisco streets. Bond of $2250 required of successful bidder. Plans may be had from Bureau of Architecture, 2nd floor, city hall.

SAN FRANCISCO—Until April 12, 3 P. M., bids will be received by Board of Public Works for heating and ventilating system in Horace Mann school to be erected in the east side of Valencia street between 23rd and 24th streets; estimated cost, $18,000; bond of $4500 required of successful bidder. Specifications may be had from Bureau of Architecture, 3rd floor, city hall.

VISALIA, Tulare Co., Cal.—Visalia Plumbing Co., Visalia, at 1,129 awarded contract to furnish hardware for the high school additions. Ernest J. Kump, Rowell Bldg., Fresno, Architect.

BAKERSFIELD, Kern Co., Cal.—Until 8 P. M., April 24, bids will be received by trustees of Kern County Union High School District for erecting an addition to the boiler house and a complete electrical distributing system for the addition. Chas. H. Biggar, 405 First National Bank Bldg., architect. Certified check for 10% required. W. J. Walters, clerk of the board.

LOS ANGELES, Cal.—Bavin & Burch, 173 E Jefferson St., Los Angeles, were awarded the general contract at $53,-904, for new school building on Avenue 21, near Pasadena Ave. Other contracts were let as follows: Plumbing to W. S. Goodrich at $6099; heating to F. J. Donnelly at $2898; and electrical work to American Elec. Constr. Co., at $2228 Montgomery & Nibeker, architects. Two-story 88x130 ft., 8 rooms, brick construction, tile and composition roofing, pine trim, maple floors.

SAWTELLE, Cal.—John Simpson & Co., 701 Antonio Ave., Los Angeles, was awarded the general contract at $48,-600 for new Woodrow Wilson school building at Sawtelle. Other contracts were let as follows: Plumbing to W. S. Goodrich at $6453; heating to Frank Davidson at $8195; painting to Arenz-Warren Co. at $1904; and wiring to American Elec. Construction Co., at $2306. William Barber, 1123 Story Bldg., Los Angeles, architect. Five classrooms, offices and auditorium, 72 x 139 ft., brick construction, 2-story, cast stone trim, composition roofing, maple floors, pine trim.

LONG BEACH, Los Angeles Co., Cal.—M. H. Walters, 522 E 25th St., Long Beach, was low bidder at $31,849 and was awarded the contract for the excavating, concrete, carpenter and iron work for the new Atlantian Ave. school, Long Beach. Chas. Fink, 838 Olive St., Long Beach, was low bidder at $19,547 and was awarded the masonry and cast stone contract on $900 deduction for using hollow tile. Other low bids were: Emil Brown low on sheet metal work at $549; Hill, Hubbell Co., low on comp. rf., $165; C. L. Passmore, low on tile roof at $2900; Joseph B. Rickert low on plastering at $7275; C. F. Weber Co. low on blackboards at $868; Arenz-Warren Co. low on painting at $3690; Bennett Montgomery Co. low on hardware at $1873; Hickman Bros., low on plumbing at $1970; Marsh Elec. Co., low on wiring at $2534; and Fred J. Ward, low on heating and ventilating at $3187. Allison & Allison, Hibernian Bldg., Los Angeles and H. Alfred Anderson, Palace Theater Bldg., 30 Pine Ave., Long Beach, associated architects. Eight classrooms, executive offices, auditorium; brick construction, plastered exterior, tile and composition roofing, pine trim, reinforced concrete corridors and stairs.

LOS ANGELES, Cal.—Until 9 A. M., April 19, bids will be received by the Los Angeles Board of Education for erecting a new school building at Barton Hill School Site at San Pedro. Bids will be taken on the genral contract, plumbing, heating, painting and electrical work. Two buildings, one 2-story 156x64 ft., containing 21 rooms, and the other 1-story, 39x92 ft., containing 6 rooms; brick construction, cast stone work, composition shingle roofing, pine trim, maple floors, reinforced concrete stairways and corridor floors; $128,000. Plans may be obtained at Secretary's office, 730 Security Bldg., Los Angeles.

SANTA ROSA, Sonoma Co., Cal.—Executive Committee of Playground Association has been authorized to purchase playground equipment for three schools. Frank A. Doyle, president of association.

LONG BEACH, Cal.—Until 8 P. M., April 17, bids will be received by Long Beach Board of Education for erecting new buildings at Franklin junior high school site on Orange Ave. between 5th and 7th Sts., Long Beach. John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles, and W. Horace Austin, Long Beach, associated architects. Bids will be taken separately on the general contract, plumbing, painting, electrical work, gas heating, steam heating, and program clock system. Three buildings, main building 2-story, 24 classrooms; cafeteria and dining room building with 3 classrooms; 1-story and 1-story shop building. Brick construction, clay tile and composition roofing, pine trim, beech floors, reinforced concrete corridor floors and stairways; $200,000.

LONG BEACH, Los Angeles Co., Cal.—J. W. Davidson, 361 Walnut St., Long Beach, has been awarded the general contract at $121,455, including and additional amount of $4085 for added locker space, rolling doors and extras in girls' gymnasium; for erecting two gymnasium buildings and a swimming pool at Polytechnic High School, Long Beach. Other contracts awarded were: W. B. Walter, painting, $6786; Newbery Elec. Corp., wiring, $5287; F. D. Reed Plumbing Co., plumbing, $13,217; Thos. Haverty Co., steam heating, $17,400; Standard Elec. Time Co., program clocks, $1497. John C. Austin, 1129 Baker-Detwiler Bldg., Los Angeles, and W. Horace Austin, 222 First National Bank Bldg., Long Beach, associated architects.

LOS ANGELES, Cal.—Until 9 A. M., April 12, bids will be received by the Los Angeles Board of Education, 730 Security Bldg., for the following school work:

For constructing two incinerators, one at Angeles Mesa school site, and the other at Santa Barbara Ave. school site.

For installing a partition in room 705, Security Bldg., 5th and Spring Sts.

For constructing a retaining wall at the Rowan Avenue school site.

For constructing a fence at Budlong Agricultural Center, on 60th St. near Budlong Ave.

Plans and specifications may be obtained at the office of the secretary, 730 Security Bldg., Los Angeles.

GLENDALE, Los Angeles Co., Cal.—Hommel Constr. Co., 131 S. Brand Blvd., Glendale, was awarded the general contract at $70,200, omitting auditorium and substituting steel for wood lockers, for erecting the new Glendale intermediate school according to plans and specifications by Architect A. F. Priest, Fay Bldg., Los Angeles; the Board of Education reserves the right to add boiler room and substitute beech or maple for pine floors, action to be taken within two weeks. F. J. Donnelly, 1066 N. Wilson Place, Los Angeles, was awarded contract at $4764 for plumbing, omitting auditorium, and E. H. Abbott was awarded contract for installing electric time clocks at $1296. Action on electric wiring and fixtures and heating was laid over two weeks. The building will be two stories, 8 classrooms, 196x96 ft., brick construction, ruff brick face, terra cotta trim, clay tile roof and pine trim.

OAKLAND, Cal.—The Board of Education of the City of Oakland received bids as follows on March 27th for the construction of a one-story frame and stucco auditorium-gymnasium building to be erected at the Garfield School, located on 16th street and 23rd avenue. Bids are within the estimate and contracts will be awarded shortly. The alternate bids is for showers and bathing facilities in the gymnasium.

General Contract

A. J. McPhee, 2144 E-27th St., Oakland	$26,649	$27,899
R. W. Littlefield	30,400	32,350
F. W. Maurice	29,453	30,753
B. A. Trobock	32,600	34,644
S. J. Bertelsen	33,740	35,425
Schnebly & Hostrawser	31,578	33,806
Chas. L. Trow	28,115	29,185
Schuler & McDonald	32,770	33,975
Walter Murch	29,950	29,950
M. E. Hopper & Son	28,889	31,000

Plumbing

Scott Co., 381 11th St., Oakland	$1,765	$2,455
Carl T. Doell	1,793	2,590
J. B. Cruz	2,300	2,640
J. E. O'Mara	2,400	3,200

Heating

Scott Co., 381 11th St., Oakland	$3971	$4742
F. T. Warner	4210	4920
Carl T. Doell	4270	4782
W. K. Nottingham	4700	5555

Electrical

Turner Co., 272 Natoma St., S. F.	$3410	$3560
Roberts Mfg. Co., 663 Mission St., S. F.	3650	3200
King's Elec. Co.	3900	4016
Spencer Elec. Co.	3996	4132
M. E. Ryan	3564	3662

Lathing and Plastering

Pronin & Burnett	$3281	$4200
T. D. Sexton	4350	——
R. T. Felt	4615	4925
Michel Ebeinger	4200	4200
Wm. Makin	4167	4290
Geo. Dixon	4827	4937

LIVERMORE, Alameda Co., Cal.—Bids were received as follows on Mar. 25th, by the Board of Trustees of the Livermore School District for the construction of a one and two-story hollow tile school building from plans prepared by Architect Henry H. Meyers, Kohl Bldg., San Francisco. It will contain eight classrooms, auditorium, gymnasium, manual training, domestic science rooms, etc. (a) tile; (b) brick; (c) concrete:

Dept. 1—All work except Plumbing, Electric and Heating

E. T. Leiter & Son, low, (a) $94,887; (b) $97,887; (c) $——; also a combined bid including general, plumbing, heating and electrical work, $116,657.

W. G. Thornally, (a) $114,700; (b) $115,200; (c) $117,100.

M. E. Hopper, (a) $112,895; (b) $113,395; (c) $115,895.

Chas. Stockholm, (a) $120,956; (b) $120,800; (c) $121,200.

Chas. C. Hock, (a) $119,000; (b) $118,000; (c) $——.

John Morton, (a) $116,667; (b) $118,896; (c) $122,321.

C. A. Bruce, (a) $120,000; (b) $120,400; (c) $119,500.

P. N. Sanford, (a) $115,700; (b) $115,300; (c) $116,900.

West Coast Constr. Co., (a) $113,080; (b) $113,959; (c) $116,256.

(Bids filed late and referred to the City Attorney)

Unit Constr. Co., combined bid of general, plumbing, heating and wiring, $135,000. (No certified check).

Turner Co., combined bid of heating, plumbing and electrical work, $23,400.

Dept. 2—Plumbing Work

Carl T. Doell, Oakland (low)	$5858
Chas. L. Strum	7000
Scott Company	6188
Wm. J. Foster Co.	7183
Turner Co., San Francisco	7880
Latourrette-Elcal Co., Sacto.	6470

Dept. 3.—Electric Work

M. E. Ryan, S. F. (low)	$3219
Spencer Elec. Co., S. F.	3686
Ne Page, McKenney Co., S. F.	3378
Kings Elec. Co., Oakland	3908
Turner Co., S. F.	3900
Central Electrical Co., S. F.	4260
Quality Elec. Motor Co.	3650
F. E. Newbery Elec. Co.	3556
H. S. Tittle, S. F.	4384
Roberts Mfg. Co.	3990
Advance Elec. Co. (no check)	4990
Latourrette-Elcal Co.	3346

Dept. 4.—Heating Work.

W. K. Nottingham, Oakland (low)	$10,400
L. D. Frazee	11,236
Latourrette-Elcal Co.	10,600
Luppen, Hawley & Thing, Sacto.	11,400
Scott Company	11,188
Carl T. Doell	11,186
F. L. Warner, Oakland	13,037
P. J. Enright, Oakland	11,740
Picard & Edwards, Oakland	11,270
Turner Co., S. F.	12,360

Bids taken under advisement.

SAN FRANCISCO—In addition to general construction and other portions of work on Horace Mann school, bids will be received by Board of Public Works for plumbing and electric work on the structure on April 12th. Estimated cost of plumbing, $22,000; electric work, $20,000. Specifications may be had from Bureau of Architecture, 2nd floor city hall.

STORES AND OFFICES

Plans Being Figured.
CONCRETE BLDG. Cost, $20,000.
OAKLAND, Alameda Co., Cal. Sixteenth St., near Broadway.
Two-story reinforced concrete building
Owner—F. F. Porter.
Architect—Chas. W. McCall, Central Bldg., Oakland.

Figures to be Taken Next Week.
STORE AND HALL Cost, $60,000
RICHMOND, Contra Costa Co., Cal. 11th St. and Macdonald Ave.
Complete 2-story reinforced concrete store and hall building (foundation is in).
Owner—Adolph Winters (florist).
Architect—A. W. Cornelius, Merchants National Bank Bldg., San Francisco.

Contract Awarded.
ADDITION Cost, $100,000 Approximately.
STOCKTON, San Joaquin Co., Cal. SE Main and Hunter Streets.
Two-story addition to present three-store building (terra cotta front).
Owner—N. Levi & Bro.
Architect — Bernard J. Joseph, Call Bldg., San Francisco.
Contractor — Daniels & Green, 1025 West Park St., Stockton.

Contractor Taking Sub-figures.
ALTERATIONS Cost, $22,000
SAN FRANCISCO. SW Bush and Hyde Streets.
Remodel present apartments for doctors' offices (addition of 2 stories).
Owners—Drs. A. and L. Green, Shreve Bldg., San Francisco.
Architect—S. L. Hyman, 68 Post St., San Francisco.
Contractor — I. M. Sommers, Balboa Bldg., San Francisco.

Plans Being Figured.
OFFICE BLDG. Cost, $——
LOS ANGELES, Cal. SE Sixth and Lebanon Streets.
Six story and basement Class A store and office building (3 stores and 60 offices).
Owner—John L. Richardson.
Architect—Chas. M. Hutchinson, 427 Security Bldg., Los Angeles.
Figures are being taken by W. W. Paden, Story Bldg., Los Angeles.

Contract Awarded.
STORES Cost, $10,000
SAN FRANCISCO. W Jones 115 S Geary.
Two-story concrete stores and (2) apartments.
Owner—L. A. Myers.
Architect—S. L. Hyman, 68 Post St., San Francisco.
Contractor—O. W. Britt, 1257 Arguello Blvd., San Francisco.

Bids Wanted for Steel.
OFFICE BLDGS Cost, $60,000 each
LODI, San Joaquin Co., Cal.
Two two-story and basement brick and terra cotta store and office buildings.
Owner—City Improvement Co. of Lodi.
Architect — Frank V. Mayo, Yosemite Bldg., Stockton.
Supt.—Robt. Melville, Waterloo Road, Stockton.
The excavation has been started. Steel bids are now being taken. Subfigures on the balance of the work will be taken shortly.

Plans Being Prepared.
STORE BUILDING Cost, $20,000
HAYWARD, Alameda Co., Cal. Castro St. between A and B Sts.
One-story brick or hollow tile bakery and store building.
Owner—Peter Verzic.
Architect—Sorenson Bros., 1110 C St., Hayward, Cal.
Plans will be ready for figures in about two weeks.

Plans Being Prepared.
OFFICE BUILDING Cost, $——
LOS ANGELES. Spring between 6th and 7th Sts.
Twelve-story class A store and office building 60x155 (steel frame).
Owner—Dunn-Williams Co.
Architect—S. Heiman, 57 Post St., San Francisco, and 915 Loew State Bldg., Los Angeles.
Contractor—Macdonald & Kahn, Loew State Bldg., Los Angeles.

Plans Being Prepared.
STORES AND OFFICES Cost, $40,000
SAN FRANCISCO. SE Geary and Larkin.
Two-story and basement brick store, market and doctors' offices.
Owner—Dunn-Williams Co.
Architect—S. Heiman, 57 Post St., San Francisco.

Sketch Prepared.
BUILDING Cost, $200,000
STOCKTON, San Joaquin Co., Cal. Not selected.
Two-story and basement fireproof Arcade building 100x300.
Owner—Business men of Stockton, including L. A. Mills, attorney.
Architects—Glenn Allen and J. M. Burke, associated, Hotel Clark, Stockton.

Grading, Excavating, Concrete Work and Reinforcing Steel Contract Awarded.
STORE AND LOFT Cost, $20,000
SAN FRANCISCO S Mission — E Second Street.
Two-story, basement and mezzanine reinforced concrete store and loft building, 25x160 (Otis elevator, Kawneer store fronts, etc.)
Owner—A. Aronson.
Architect—Mel. I. Schwartz, Nevada Bank Bldg., San Francisco.
Contractor — Geo. Goodman Artificial Stone Co., 35 Montgomery St., San Francisco.
The balance of the work will be figured shortly.

Contract Awarded.
ALTERATIONS Cost, $13,703
SAN FRANCISCO. SE Clay and Battery.
All work except elevator, wiring, painting, plumbing, heating, trimming, hardware and shades, for alterations and additions to three-story and basement class C building.
Owner—Harriette De Witt Kittle.
Architect — Nathaniel Blaisdell, 255 California St., San Francisco.
Contractor—E. Ellingson, 180 Jessie St., San Francisco.

Wrecking Bids Being Taken.
STORE BUILDING Cost, $——
VALLEJO, Solano Co., Cal. NE Georgia and Santa Clara Sts.
One-story reinforced concrete store building.
Owner—S. Dannenbaum, San Francisco.
Architect—Chas. E. Perry Jr., 514 Main St., Vallejo.
Bids are now being taken for wrecking the building now on the site.

Contract Awarded
FILM EXCHANGE BLDG. Cost, $50,000
SAN FRANCISCO. Leavenworth Street between Golden Gate Avenue and Turk Street.
Owner—Louis R. Lurie.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
Contractor—Vukicevich & Bagge, 180 Jessie St., San Francisco.

Working Drawings Being Prepared—Figures to be Taken in Three Weeks.
OFFICES, ETC. Cost, $125,000
SACRAMENTO. Front and M Sts.
Four-story reinforced concrete office showrooms and warehouse building; (present building to be wrecked).
Owner—Crane Co.
Architect—Woollett & Lamb, Hagelstein Bldg., Sacramento.

Excavation Started.
STORES Cost, $375,000
LOS ANGELES. 7th and Hill Sts.
Six-story class A department store and market building.
Owner—Dunn-Williams Co., San Francisco.
Architect—S. Heiman, 57 Post St., San Francisco, and 915 Loew State Bldg., Los Angeles.
Contractor—Macdonald & Kahn, Loew State Bldg., Los Angeles.
The steel has been awarded to the Llewllyn Iron Works of Los Angeles.

SAN FRANCISCO — Lindgren Co., Monadnock Bldg., contractors for the Matson Navigation Co's. building, a 15-story class A office structure to be erected on the corner of Main and Market streets, are taking figures for the granite work. Bliss & Faville, Balboa Bldg., are the architects.

THEATRES

Figures Being Taken For Portions of The Work.
AMUSEMENT PARK Cost, $500,000 or more.
SAN MATEO, San Mateo Co., Cal. Beach Resort known as Pacific City Bathhouse, walks, halls, entrance gates, office building, etc.
Owner—Pacific City Cptn. (A. M. Gabelt, Manager, Room 222 Sharon Bldg., San Francisco).
Architects—Kuhn & Edwards, 833 Market St., San Francisco.
Construction of Board Walk, Piling, Etc., awarded to Geo. A. Renner (as Renner Foundation Co.), 44 Lloyd St., San Francisco, at approximately $10,000.
The Landscaping has been awarded to The Foothill Nursery Co.

Steel Contract Awarded—Other Subcontracts to be Awarded Shortly.
THEATRE Cost, $100,000
HAYWARD, Alameda Co., Cal. Castro Street.
One and two-story reinforced concrete motion picture theatre.
Owner—Chas. W. Heyer.
Architect — Henry H. Meyers, Kohl Bldg., San Francisco.
Contractor—C. W. Heyer, Mills Bldg., San Francisco.
Steel contract awarded to S. S. Herrick Co., foot of Adeline St., Oakland.

WORK SOON TO BEGIN ON 50 MILES OF ROADS

Building of fifty miles of new roads is to be started in California during the next thirty days under Federal aid. The state and Federal Government will share in the expense of road building. Work is being resumed on thirty-six road projects started last year, but not completed. These total 376 miles of highway. Roads costing $1,500,000 will be built this year into the national forests.

The fifty miles of new highway, C. H. Sweetser of the bureau of public roads, department of agriculture, announces, comprise roads in Santa Barbara, Merced, Lake, Riverside, Marin, Tulare and Monterey counties.

During 1921, 2,070,593,000 ft. of lumber was handled in Chicago, a decrease of 400 million feet as compared with 1920. St. Louis handled 137-220 carloads of lumber during 1921, an increase of 10,419 cars over 1920.

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Send me Building and Engineering News for one year, commencing with next issue, for which I enclose check for $4.00

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Official Proposals

A call for bids published in this section indicates that bids are desired from other than local bidders. Maximum competition is desired, and this is assured through BUILDING AND ENGINEERING NEWS which reaches every worth-while contractor and materialman in Central and Northern California who bids on public work.

Rate: 10 cents per line, per insertion.

All official calls for bids of the California State Highway Commission and Nevada State Highway Commission are published in this section.

BIDS WANTED FOR STEAM HEATING SYSTEM FOR HOSPITAL

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received by the Board of Supervisors of San Mateo County, California, **up to Monday, the 17th day of April, 1922, at 10 o'clock A. M.**, for the completing of the steam heating, ventilation, steam boiler plant and refrigeration for the new County Hospital building, now being erected at Beresford, in San Mateo County, California, all to be in strict accordance with the plans and specifications as prepared by Will H. Toepke, Architect, and on file (as filed March 20, 1922) in the office of the Clerk of said Board to which bidders are referred.

Estimates will be received in accordance with the specifications and plans as filed.

Bidders will be required to submit with their proposal a certified check or certificate of deposit on some responsible Bank or Trust Company in the sum of ten (10) per cent of their bid, said check to be made payable to the County Treasurer of the County of San Mateo, and will be held as security that the bidder will enter into a written contract with the Board of Supervisors of the County of San Mateo, if awarded the contract, within ten (10) days from date of award. In the event of a breach in the terms under which this check is held, the said check or certificate of deposit will be cashed and the proceeds thereof placed to the credit of the building fund of said County of San Mateo, payments of all claims for labor and material furnished on the work.

The successful bidder will further be required to give a bond from a satisfactory Surety Company in the sum of fifty (50) per cent of his contract price, conditional for the faithful performance of his contract within the time limited, and to further insure the payment of all claims for labor and material furnished on the work.

The successful bidder will also be required to protect the County against liability arising under the Workmen's Compensation Act and against any and every contingency under which the County might be held liable during the progress of all work connected with the construction of said Hospital Building.

The contract will provide for the retention of twenty-five per cent of the contract price for thirty-five (35) days after the completion of the work, and the filing of the notice of completion thereof.

Sealed estimates should be filed with the Clerk of the Board of Supervisors.

The said Board of Supervisors of said County hereby reserves the right to reject any and all bids.

Plans and specifications can be seen and secured at the Architect's office at Room 707, 942 Market Street, San Francisco, California.

All bidders estimating on the work will be required to deposit with the Architect the sum of twenty-five (25) dollars in check or cash on securing the plans and specifications. This amount to be returned to the Contractor when plans and specifications are returned in good condition.

By order of the Board of Supervisors.

ELIZABETH M. NASH,
Clerk.

Dated March 20, 1922.

BIDS WANTED FOR GYMNASIUM

NOTICE TO CONTRACTORS

The Board of Trustees of the Dos Palos Joint Union High School District, Merced, California, will receive sealed proposals **up until two o'clock P. M., April 10th, 1922,** at the office of the secretary in the high school building, Dos Palos, California at which time and place, said bids will be opened and read in public, for furnishing the required labor and materials for and erecting and completing the proposed new gymnasium building in accordance with the plans and specifications prepared therefor by W. E. Bedesen, engineer, Merced, California, and Willson J. Wythe, architect associated, Oakland, California.

Cashier's or certified check or bidder's bond for an amount not less than five per cent (5%) of amount of bid shall accompany each proposal, drawn payable to the order of Frank B. Marks, secretary of the board, as a guarantee that the bidder will within ten days after being notified of the acceptance of his bid, enter into a contract with said high school board in accordance therewith and shall furnish the bonds as required by the specifications.

Said check or bond to fe forfeited to the said Union high school district should the bidder fail to execute contract and furnish bond as above mentioned.

All bids to be made out on forms furnished.

Plans and specifications for all the above work may be seen at the office of the secretary in the high school building, Dos Palos, California, where they may be secured for bidding.

A deposit of ten dollars ($10.00) will be required from all contractors receiving plans. Said deposit will be refunded to bidders when plans and specifications are returned in good condition.

The said high school board reserves the right to reject any and all bids, and to waive any formality in any bid received.

By order of the Board of Trustees, Dos Palos Joint High School District, Dos Palos, California.

By FRANK B. MARKS,
Secretary.

BIDS WANTED FOR INTERIOR EQUIPMENT FOR HIGH SCHOOL

NOTICE TO CONTRACTORS

Office of the Secretary of the Board of Education of the City of Oakland.

Sealed bids will be received by the Board of Education of the City of Oakland, City Hall, Oakland, California, **until Monday, the 17th day of April, 1922, at 4:30 P. M.**, at which time said bids will be opened, for the erection and completion of Equipment Work for the New University High School Building of the Oakland School District and Oakland High School District located on block bounded by Grove Street, Aileen Street, Dover Street and Fifty-eighth Street, Oakland, California.

Bids will be received for:

General Equipment Work, including Cabinet Work, Mill Work, Rough Hardware, Finished Hardware, Sheet Metal Work, Miscellaneous Iron Work, Miscellaneous Work, Glass and Glazing, Painting, Gas and Electric Ranges, Plumbing and Electrical Work.

Plans and specifications for said work are on file at the office of the Chief of Construction, Chabot Hall, 11th and Jefferson Streets, Oakland, California.

On a deposit of Twenty-five ($25) Dollars, said plans and specifications may be had by any prospective bidder. These plans and specifications may be retained for seven (7) days. If the plans and specifications are not returned to the Chief of Construction within the time above specified, or are returned in a mutilated or damaged condition, the deposit will be forfeited, and will be immediately used for the purchase of a new set of blue prints, and specifications.

Bids must be made on proposals obtained at the office of the Chief of Construction, and be signed by the bidder, accompanied by a certified check, certified to by some responsible bank or banker, and made payable to N. W. Cook, Secretary of the Board of Education, to be retained by the said School Districts as agreed and liquidated damages should the party or parties to whom the contract should be awarded fail to enter into the contract after the award, or to give bonds required for the faithful performance of the contract, or any bond required by law. The amount of said check shall be for at least ten (10)% per cent of the amount of the bid. Each bid shall be accompanied by an affidavit executed on a form that can be obtained from the Chief of Construction.

Bids will be opened by the Board of said Districts on Monday, April 17, 1922, at the hour of 4:30 P. M., in the Board Room, 211 Second Floor of said City Hall, in said City of Oakland. The Board reserves the right to reject any and all bids or any or all items of such bids.

N. W. COOK,
Secretary of the Board of Education of Oakland, California.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received by the undersigned **on April 12, 1922**, for constructing portions of the State Highway System as follows:

(1) Bids received until, and opened at 1.00 P. M., for placing Gravel Surface in Pershing County from Zola to Humboldt House.

(2) Bids received until, and opened at 2.30 P. M., for grading, construction of culverts, and placing gravel in Douglas County—from 6.06 miles north of Minden to 8.43 miles north.

(3) Bids received until, and opened at 4 P. M., for grading, construction of culverts, and concrete paving 15 feet wide, 6 inches thick, in Ormsby County—from Carson City to Lakeview.

Plans may be examined and form of proposal, contract and specifications secured at office of undersigned. May also be examined at the County Clerk's Office in Lovelock, for Pershing County work, in Minden for Douglas County work, and in Carson City for Ormsby County work. Cash deposit of fifteen dollars ($15.00) with undersigned required for copy of plans, which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department, and must be accompanied by a certified check in the amount of 5% of the bid.

Each bidder must accompany his bid with a certificate from a Surety Company, duly authorized to do business in this State, stating that such Surety Company will provide said bidder with a bond in such sum as is required and in accordance with the provisions of said Specifications, conditioned for the

faithful performance of the provisions of the contract and specifications.

Right is reserved to reject any or all bids.

GEO. W. BORDEN,
State Highway Engineer, Carson City, Nevada.

BIDS WANTED FOR TERRA COTTA WORK, ROOFING, PLASTERING, ETC.

NOTICE TO CONTRACTORS

Notice is hereby given that the Board of Trustees of the Campbell-San Tomas Union Grammar School District, Santa Clara County, California, hereby call for sealed proposals to be delivered to the Clerk of the Board at Campbell, California, **until the 24th day of April, 1922, at the hour of 8 P. M.,** of said day for the construction and completion of the following branches of work on the new Grammar School building to be erected in the above Union Grammar School District at Campbell, Santa Clara County; all in accordance with plans and specifications made for the same by W. H. Weeks, the authorized Architect employed by the Board.

Bids will be received on the following work: Including:

Terra Cotta finish on exterior building, and mason work.
Fibrestone or Composition Flooring.
Composition Blackboards.
Lathing and Plastering.
Composition Roof.
Terra Cotta Tile Roof.

Plans and specifications may be seen at the office of the Clerk of the Board in Campbell between the hours of 9 A. M. and 3 P. M. except Saturday, Sunday, or Holidays, or at the office of W. H. Weeks, 369 Pine St., San Francisco, during business hours.

On a deposit of Twenty Dollars ($20) a complete set of plans and specifications for any portion of the work, may be had by any prospective bidder, to be retained until bids are opened, if desired. If not returned within said period, or if mutilated, the said deposit may be retained by said Grammar School District as agreed and liquidated damages for said mutilation or detention.

Bids must be made upon Proposal Blanks obtained at the office of the Architect and signed by Bidder, accompanied by a check for at least ten per cent (10%) of the amount bid, certified to by some responsible bank or banker and made payable to the Board of Trustees of the Campbell-San Tomas Union Grammar School District, to be retained by said Grammar School District as agreed and liquidated damages, should the party or parties to whom Contract shall be awarded, fail to enter into contract afterward, or give bonds for the faithful performance of the Contract, or any bonds required by law.

Bids will be opened by the Board of Trustees of the Campbell-San Tomas Union Grammar School District on the 24th day of April, 1922, at the hour of 8 P. M., at the office of the Clerk of the Board in Campbell, California.

The Board reserves the right to reject any or all bids, or any or all items of such bids.

Dated at Campbell, California, March 24, 1922.

CHAS. E. DE SELLE,
Clerk of the Board of Campbell-San Tomas Union Grammar School District.

NOTICE TO BIDDERS ON EIGHT-ROOM ADDITION TO EL DORADO SCHOOL BUILDING

(Brick, Concrete and Frame Structure. Estimated Cost, $70,000)

Notice to bidders is hereby given that bids on the El Dorado School annex and also heating plant, as per plans and specifications on file at the office of the Architect, Frank Mayo, Yosemite Bldg., will be opened on **Wednesday, April 12th, 1922, at 7:30 P. M.,** at the office of the Superintendent of Schools, corner San Joaquin and Lindsay Sts., Stockton, Calif.

Bidders may bid upon either of the propositions—the general construction work or the heating and ventilating plant.

The Board of Education reserves the right to reject any or all bids.

A certified check of ten per cent of the amount bid must accompany said bid.

Dated March 27, 1922.

By order of the Board of Education.
By ANSEL S. WILIAMS,
Secretary.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

Sealed bids will be received by the Building Committee of the Chinese School Association of Hanford at the office of Harry Lee, 11½ China Street, Hanford, Calif., **until Noon, April 10, 1922,** for all labor and material required for the erection and completion of a one-story brick school building in accordance with the plans and specifications prepared in the office of Glass & Butner, Cory Bldg., Fresno, Calif.

Plans and specifications may be obtained at the above address.

Building Committee reserves the right to reject any and all bids.

HARRY LEE.

NOTICE FOR BIDS

(School Chairs and Desks)

Notice is hereby given that the Board of Trustees of Armona School District will receive bids **up to the hour of 12 o'clock noon of Monday, April 10th, 1922,** at the office of the Clerk of said Board, H. C. Pulliam, in Armona, Calif., for the following: Four hundred portable auditorium chairs, and thirty school desks, sizes from No. 1 to No. 6, inclusive. Said Board of Trustees reserves the right to purchase more or less than above specified number of chairs or desks and also the right to reject any or all bids.

H.C. PULLIAM,
Clerk of said Board of Trustees.

NOTICE TO CONTRACTORS

(Boiler Plant Additions and Electric Distributing System)

Sealed bids will be received up to 8 P. M. of April 24, 1922, by the Board of Trustees of the Kern County Union High School District, Bakersfield, Cal., for furnishing all materials and labor for and the erection and completion of additions to the Boiler House and a Complete Electrical Distributing System to be installed in said addition in accordance with plans and specifications on file with the Clerk of said Board and open for the inspection of bidders. Copies of said plans and specifications may be had at the office of the Architect, Charles H. Biggar, 405 First National Bank Bldg., Bakersfield, and the work will be done under his supervision.

All bids must be accompanied by a certified check in the amount of at least ten (10%) per cent of the amount bid, such check to be made payable to the Kern County Union High School District and same will be held as evidence of good faith that the successful bidder will enter into contract for the proposed work and in addition thereto will furnish good and sufficient bonds therefor.

Bids will be received separately or as a whole. The Board of Trustees reserves the right to reject any or all bids and to waive any informality in any bid received.

By order of the Board of Trustees, Kern County Union High School District, Kern County, Calif.

E. W. OWEN,
President.
W. J. WALTERS,
Clerk.

NOTICE TO BIDDERS.

(Grading, Concrete Walks, Lighting Fixtures and Chairs)

Notice is hereby given that sealed bids will be received by the Board of Trustees of Willows Union School District in Glenn County, California, **until eight o'clock P. M., of Wednesday, April 12th, 1922,** for the following:

First: For grading the school grounds in accordance with the plans and specifications as prepared for the same by R. D. Thomas, Civil Engineer.

Second: For furnishing the necessary labor and material for constructing eight thousand (8,000) feet, more or less, of concrete walks, in accordance with the plans and specifications as prepared for the same.

Third: For furnishing and installing lighting fixtures in the new school building in accordance with the plans and specifications as prepared for the same by W. H. Weeks, Architect.

Fourth: For furnishing and installing one hundred (100), more or less, opera chairs. Bidders to submit samples with bid.

Plans and specifications mentioned above, may be seen at the office of the County Superintendent of Schools in the Court House in Willows, Calif.

Each bid must be accompanied by a certified check on some responsible California bank in a sum not less than five (5) per cent of the amount of the bid, made payable to A. D. Pieper, President of the Board of Trustees, as a guaranty of good faith that the party to whom the contract may be awarded will, within ten days, enter into the necessary agreement and bonds for the faithful performance of said work, and in case the successful bidder to whom the contract may be awarded, fails or refuses to enter into said agreement and bonds, said check will be forfeited to said School District in the manner provided by law.

Each bid must be enclosed in a sealed envelope and addressed to A. D. Pieper, President of the Board of Trustees of Willows Union School District, Willows, California, and endorsed, "Bid for Grading Grounds, or Constructing Walks, or Lighting Fixtures, or Opera Chairs," as the case may be.

The Board reserves the right to reject any or all bids.

By order of Board of Trustees of Willows Union School District, Glenn County, California.

H. G. RAWLINS, Clerk.

Dated at Willows, California March 22nd, 1922.

PROPOSALS FOR PURCHASE OF TEN-TON HOLT TRACTOR

Sealed bids marked, "Bids for Ten-ton Holt Tractor," will be received by the Board of County Commissioners of Eureka County, Nevada, **until the 10th day of April, 1922, at the hour of 10 o'clock of said day,** at the office of the Clerk of said Board at the Courthouse, in the town of Eureka, Nevada, for the purchase of a Ten-ton Holt Tractor, f. o. b. point of shipment.

Said tractor to be in good condition in every way and ready for immediate use.

The tractor will be paid for by Eureka County after approval and acceptance by the Board of County Commissioners at its regular meeting next after the receipt of said tractor.

The Board reserves the right to reject any or all bids.

R. McCHARLES,
Clerk of the Board of County Commissioners of Eureka County, Nevada.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on April 24, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

San Luis Obispo County, between San Luis Obispo Creek and Cuesta (V-SLO-2-D), about three and six-tenths (3.6) miles in length, to be paved with Portland cement concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los

Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated March 27, 1922.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on April 17, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Sonoma County, between Santa Rosa and Beltane (IV-Son-51-A), about eleven and seven-tenths (11.7) miles in length, to be paved with bituminized macadam.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated March 20, 1922.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **The California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on April 10, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Monterey County, between San Lucas and 2¾ miles long east of Long Valley School (V-Mon-10-A), about eleven (11.0) miles in length, to be graded.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated March 13, 1922.

BIDS WANTED FOR METAL SHELVING

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., March 17, 1922.—SEALED PROPOSALS will be opened in this office at 3 P. M., April 28, 1922, for metal shelving for the United State Post Office, Custom House, and Court House buildings at Honolulu, T. H. Drawings and specifications may be obtained from the Superintendent of Construction of the building at Honolulu, T. H., from J. W. Roberts, Supervising Superintendent of Construction, Room 403, Post Office and Court House, San Francisco, Calif., or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

BIDS WANTED FOR 19 HOSPITAL BUILDINGS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., March 1, 1922—SEALED PROPOSALS will be opened in the office of J. W. Roberts, Supervising Superintendent, Room 403, Post Office, San Francisco, Calif., at 12 M., April 10, 1922, or in this office at 3 P. M., April 10, 1922, for the construction (exclusive of mechanical equipment) of nineteen buildings of the U. S. Veterans Hospital at Palo Alto, California. Drawings and specifications may be obtained from the Office of J. W. Roberts, in San Francisco, on or after March 13th, or from this office, on or after March 6, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR MECHANICAL EQUIPMENT FOR 19 HOSPITAL BUILDINGS

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., March 6, 1922—SEALED PROPOSALS will be opened in the office of J. W. Roberts, Supervising Superintendent, Room 403, Post Office, San Francisco, California, at 12 M., April 10, 1922, or at this office at 3 P. M., April 10, 1922, for the installation complete of the Mechanical Equipment for the Central Heating Plant, Outside Services, and 19 Hospital Buildings, at the United States Veterans Hospital No. 24, Palo Alto, Calif. Drawings and specifications may be obtained from the Office of J. W. Roberts, in San Francisco, on or after March 15th, or from this office on or after March 8th, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

NOTICE TO BIDDERS

(Kewanee Boiler)

Pursuant to an order of the Board of County Commissioners of Washoe County, Nevada, made and entered on the 7th day of March, 1922, sealed bids and proposals will be received by the undersigned at the office of the County Clerk of Washoe County, in the City of Reno, County of Washoe, State of Nevada, **not later than 12 o'clock, noon, on Tuesday, April, 11, 1922,** for the following, to-wit:

One No. 110 Kewanee or equal Smokeless Fire Box Boiler, installed in the boiler room of the County Hospital as per specifications on file in the clerk's office.

The said Board of County Commissioners reserves the right to reject any or all bids and to accept the boiler best suited to the needs of Washoe County.

E. H. BEEMER,
County Clerk and Clerk of the Board of County Commissioners.

LEGAL NOTICES

STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912

Of Building & Engineering News, published weekly at San Francisco, Calif., for April 1, 1922.

State of California, City and County of San Francisco—ss.

Before me, a Notary Public in and for the City and County aforesaid, personally appeared Eleanor F Larsen Administratrix of the Estate of L. A. Larsen, deceased, who, having been duly sworn, according to law, deposes and says that she et al. are the owners of the Building & Engineering News.

Publisher, Mrs. L. A. Larsen, 560 Mission street, San Francisco, Cal.

Editor, Mrs. L. A. Larsen, 560 Mission street, San Francisco, Cal.

Managing Editor, J. P. Farrell, 560 Mission street, San Francisco, Cal.

Business Manager, Mrs. L. A. Larsen, 560 Mission street, San Francisco, Cal.

Owner, L. A. Larsen Estate.

That the known bond holders, mortgagees and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages or securities are: None.

ELEANOR F. LARSEN,
Administratrix of the Estate of L. A. Larsen, deceased.

Sworn to and subscribed before me this twenty-seventh day of March, 1922.

CHALMER MUNDAY,
Notary Public in and for the City and County of San Francisco, State of California.
(My commission expires Oct. 18, 1925).

FEDERAL CONSTRUCTION COMPANY SUES BAKERSFIELD CONCERN

The Federal Construction Company of San Francisco, has filed suit in Kern County superior court against the Bakersfield Engineering Company to collect $791.90 from the defendant under two counts of alleged indebtedness. The construction company complains that the engineering company became indebted to it, during the past four years, in the sum of $721 for goods, wares and merchandise delivered by plaintiff to defendant, and for which defendant refuses to pay. On the second count, the construction company says that I. A. Smith, whom it charges the engineering company owed $70.90 for labor and materials, assigned his credit to the construction company.

There is an automobile circle trip out of Denver that takes the traveler from temperate to Arctic climes within a few hours, calls for an overcoat in the middle of summer and affords opportunity for the picking of wild flowers in among the snow banks.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

GLENDORA, Cal.—Until 7.30 P. M., April 11, bids will be received by trustees for 5000 cu. yds. excavation, one 2,000,000 gallon reinforced concrete reservoir; concrete gate boxes, etc. Plans and specifications from City Engineer O. A. Gierlich, 209 National Bank Bldg., Monrovia. Certified check or bond 5%.

CALIFORNIA—California State Highway Commission agrees to assist Nevada and Placer counties to finance construction of new bridge over Bear river on highway between Auburn and Nevada city; estimated cost, $30,000. State will pay one-third, balance by two counties.

LOS ANGELES, Cal.—Until 11 A. M., Apr. 17, bids will be received by county supervisors for constructing reinforced concrete bridge on Workman Mill road, over San Jose creek. It will have three 54-ft. spans, 24 ft. roadway, concrete piers and abutments. Certified check or bond for 10%.

ANAHEIM, Cal.—Flood Protection Committee adopt plans for levee on banks of Santa Ana river near Olive bridge. Citizens of Anaheim have subscribed approximately $45,000, of which $24,000 has been collected. Type of work to be selected by advice of experts now submitting ideas. O. E. Steward, City Engineer.

LOS ANGELES, Cal.—Until 11 A. M., April 10, bids will be received by the Supervisors, County Flood Control District, for constructing channel for storm waters of San Antonio creek, involving about 4000 cu. yds. excavation.

OLYMPIA, Wash.—Until April 10, bids will be received by State Highway Commission to construct steel steel swing draw bridge and approaches on Ocean Beach highway at Raymond, Wash., in Pacific County. Separate bids, same date, to construct reinforced concrete bridge over Northern Pacific tracks on Ocean Beach highway near Pluvius, Wash., in Pacific County.

RENO, Nevada—J. L. Hoffman, Reno, at $13.60 lin. ft. awarded contract by council to construct reinforced concrete culvert, 400-ft. long. Harry Chism, city engineer.

IRRIGATION PROJECTS

GRENADA, Siskiyou Co., Cal.—Until April 12, 1 P. M., bids will be received by Victor Bovo, secretary, Grenada Irrigation District, for constructing irrigation ditch—being cut-off of the main canal in the district. Plans may be had from Engineer Fred H. Tibbetts, 1320 Alaska Commercial Bldg., San Francisco.

OROVILLE, Butte Co., Cal.—State Bonding Commission meeting in San Francisco, rejected the McCrea plan to construct works of Honcut-Yuba Irrigation District, declaring the cost, $52.80 per acre too high. Recommendation made that boundaries of district be changed to exclude certain unproductive lands and to acquire more valuable properties. Plan as proposed by Engineer S. J. Norris of Oroville and R. C. Storrie & Co., % Constant Arch Dam Co., Hobart Bldg., San Francisco, are still under consideration. The total cost of the proposed works as outlined in the two latter plans will run in the neighborhood of $1,500,000.

OROVILLE, Butte Co., Cal.—Thermalito Irrigation District, comprising 3100 acres and Table Mountain Irrigation District comprising 7,000 acres were organized at a recent election. Elections will be called to vote bonds to finance improvements in both districts.

SELMA, Fresno Co., Cal.—Consolidated Irrigation District has applied to the State Bond Commission for approval of $850,000 bond issue to provide $775,000 for purchase of canal system of Consolidated Canal Co., and for concrete structures to replace worn out drop headgates, etc.

OROVILLE, Butte Co., Cal. — As previously reported organization of Table Mountain and Thermalito Irrigation District has been perfected. Proposed structures of the two districts includes two earth fill dams, ditch systems and pipe, ranging in sizes from 6-in. to 30-in. in diameter. S. J. Norris, is consulting engineer for Table Mountain District, and J. M. Howells, 58 Sutter St., San Francisco, consulting engineer for Thermalito district. It is expected to call bids for constructing joint system within the next few months.

LIVE OAK, Sutter Co., Cal.—Ajax Dredging Co., 249 First St., San Francisco, at 37c cu. yd., awarded contract for approximately 380,000 cu. yds. excavation of drainage ditches in Reclamation District No. 2054, Sutter county. Polk and Robinson, Chico, engineers.

FRESNO, Fresno Co., Cal.—Until April 4, 10 A. M., bids will be received by Morton Hansen, secretary, Fresno Irrigation District, Griffith-McKenzie Bldg., for constructing small branch ditch and appurtenant structures as a branch ditch from Enterprise Canal beginning in Sec. 27, Township 12 south, range 20 East. George Swendsen, engineer for district.

CALIFORNIA — Mokelumne River Power and Water Co., applies to Federal Power Commission for preliminary permit for a comprehensive power and irrigation project, involving the Mokelumne and Calaveras rivers. Plan contemplates diverting the Middle and South forks of the Mokelumne into a large reservoir on the North fork of the Calaveras river; a main canal from the reservoir and from a second diversion point on the South fork of the Mokelumne would extend about 65 miles; together with a series of laterals, they would provide irrigation of several thousand acres and the development of a large amount of power.

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GRANTS PASS, Ore.—Grants Pass Irrigation District files application with Federal Power Commission to construct dam in Rogue River near Grants Pass; dam to be used to develop power and divert waters into irrigation canal, the power to be used for pumping water to a high line canal for irrigation purposes.

STEVENSVILLE, Montana—Directors of Bitter Root Irrigation District, propose to call election to vote bonds of $1,000,000 to rebuild flumes, pipe lines, lining 300 lin. ft. concrete canals; rebuild culverts, etc.

FRESNO, Fresno Co., Cal.—Until Apr. 4, 10 A. M., bids will be received by Morton Hansen, secretary Fresno Irrigation District, Griffith-McKenzie Bldg., to install 30-in. concrete pipe with appurtenant structures on portion of Braly ditch along California Ave., in city of Fresno. George Swendsen, engineer for district.

RIO OSO, Yuba Co., Cal.—R. A. Wilson, Rio Oso, contemplates purchase of 1500 ft. 10-in. cement pipe for use in irrigating 40 acres of land.

GRENADA, Siskiyou Co., Cal.—Following is list of works planned in Grenada Irrigation District, according to specifications prepared by Consulting Engineer, Fred H. Tibbetts, Alaska Commercial Building, San Francisco:

Diversion Dam and Headgate: 350 cu. yds. concrete $11,500; 6,000 bt. ft. timber, $720; excavation and backfill, $1,350; rip rap, $800; diversion flume and cofferdam, $2,000.

Diversion canal: 17,500 sq. ft. conc. lining, $2,625; excavating and preparing banks, $1,750.

Sump at First Lift Pump: 30 yds. concrete, $1,050; 100 cu. yds. excavation, $250.

Repairs to first lift pump plant: new foundation for east unit, $175; installing wiring volt and ammeters and cleaning, $2,000; galv. iron frame bldg., $850.

Main canal: 260 ft. No. 120 Lennon type flumes, $1,816; 48 yds. concrete in foot and transit; $1,680; 1500 ft. concrete lining, $7,424.

Siphon under creek: 2 36-in. corrugated iron pipes, $1,660; 110 cu. yds. concrete jacket and headwall, $3,850; Siphon under Railroad at Station 268: 1 36-in. corrugated iron pipe, $415; railroad work on track support, $1,000; 20 cu. yds. concrete jacket and headwall, $700; excavation and backfill, $160.

Excavation for canal: 3360 yds. new canal, $6,720; 200 cu. yds. repairs in Rocksidehill, $300; 5000 cu. yds. repairs in earth, $2,500.

Second Lift pumping plant: galvanized iron building, $750; wiring, etc., $1,800.

Third Lift Pumping Plant: galvanized iron building, $370; wiring, $300; repairs to 24-in. steel pipe, $285.

Lateral system: 28,000 cu. yds. repairs to present system, $14,000; 8000 cu. yds. extensions and new sub-laterals, $1,000; Lateral structures, drops, etc., completing district to 2000 acres, $6,000.

Drainage ditch: 45,000 cu. yds. $18,000. Total $99,870.

KLAMATH FALLS, Ore.—Langell Valley and Horse Fly Irrigation Districts have authorized the signing of a contract with the Government for irrigation development. The contract calls for a maximum expenditure of $368,000 of which $302,000 will be apportioned to the Langell Valley district and $60,000 to the Horse Fly district.

WHITTIER, Cal.—Collins & Egan, Whittier, awarded contract to complete irrigation system for 210 acres near Gardena. Contract calls for 11,000 ft.

of 10-in. pipe and 3000 ft. 8-in. pipe, exclusive of orchard stands and division gates.

LIGHTING SYSTEMS

SAN LEANDRO, Alameda Co., Cal.—Until April 17, 8 P. M., bids will be received by city trustees to install 13 Marbellte lighting standards; estimated cost, $1200. Plans may be had from J. J. Gill, city clerk. R. H. Goodwin, city engineer.

SAN BERNARDINO, Cal.—Petitions for ornamental lights on E St. between Mill St. and Highland Ave., have been presented to the council. City engineer has been asked for estimates on cost of work which would involve 300 lights.

ORLAND, Glenn Co., Cal.—Orland Chamber of Commerce conferring with Pacific Gas and Electric Co., regarding installation of electroliers in business section; estimated cost $1,800. E. A. Kirk, secretary, of Chamber.

CARMICHAEL COLONY, Sacramento Co., Cal—Carmichael Colony Lighting District was organized at a recent election and bonds of $45,000 voted to finance installation of a lighting system.

MACHINERY

SUTTER COUNTY, Cal. — Following is a list of property owners who are clearing lands and planting peach trees in Sutter County. All irrigation in this section is by deep well pumps, with cement pipe distributing systems where necessary. The following ranchers are contemplating the installation of pumping plants, the pumps and motors for which have not yet been purchased:

Ed. Johnson, P. G. & E. Office, Marysville, 2 or more pumping units with motors, shed, etc., for irigation of 200 acres.

W. T. Ellis Co., 108 D St., Marysville, to install 4 or 5 pumping units with motors, sheds, etc., in Levee District No. 10.

J. L. Sullivan, Encinal St., Marysville, will install 1 or more pumping plants.

S. Ewell, 319 6th St., Marysville, will install 1 pumping unit with motor, shed, etc.

E. A. Harris, Oswald St., Marysville, 1 pumping plant complete, for irrigation of 40 acres.

Peter Isaacson, Marysville, has already installed 2 plants, and will purchase several more, for irrigation of 200 acres in Levee District No. 10.

Mike Reisinger, 925 B St., Marysville, will install pumping plant complete.

Rosenberg Bros., Yuba City, plans to intall 1 pumping plant.

J. W. Eager, Yuba City, will install 1 or more pumping units.

Hobart Miller, 618 E St., Yuba City, will install 1 pumping plant for irrigation of 40 acres.

G. W. McCampbell, Yuba City, will install 1 pumping plant for irrigation of 10 acres.

Gunther & Powell, Yuba City, plan to install 2 or more plants.

Fred Parks, 222½ D St., Marysville, will install 1 small plant for 20 acres.

G. F. Shell, Marysville, plans to purchase two pumping plant for 100 acres in Levee District No. 10.

Depth of wells necessary in this section runs from about 60 ft. to over 200 ft. Pumps already in use are 5-in. and 6-in. sizes, one pumping plant to 40 acres of land to be irrigated; prices for plant complete ranging from $1200 to $1500.

SACRAMENTO, Cal.—Willy-Overland Co., at $3675, awarded contract by city commissioners to furnish five roadsters for use of city health department. Earl C. Anthony Co., awarded contract to furnish chassis for 5-ton truck at $4200 for use of street cleaning department. Albert Olvan, city engineer.

LOS ANGELES, Cal.—Until 3 P. M., April 7th, bids will be received by Public Service Commission, 207 S Broadway, for furnishing bare and insulated cable: specifications P-254. Jas. P. Vroman, secretary.

LOS ANGELES, Cal.—Until 3 P. M., Mar. 31, bids will be received by Public Service Commission, for one 4-cylinder 1-ton truck chassis fully equipped, including cab, windshield and pneumatic tires; specification 600-A. Jas. P. Vroman, secretary.

LOS ANGELES, Cal.—Bids received by Board of Public Service Commission for furnishing 125 2½-in. single nozzle fire hydrants, f. o. b. waterworks yard, 2nd and Rose Sts., were: United Casting Co., $4187.50, delivery in 90 days; R. D. Wood & Co., Matthews hydrants, $42.40 each; Keystone Iron & Steel Wks., $34.40 each; Bethlehem Shipbuilding Corp., Ltd., $8000; Grinnell Co., of the Pacific, Kennedy new type, $37 each; Water Works Supply Co., 4-in. Corey hydrants, deliveries as follows: 40 in 5 days, $35.80 each; balance in 45 days, at $33.75 each; or entire quantity in 45 days at $33.75 each; 5-in. Corey, 125 in 45 days, $42.40 each.

PORTERVILLE, Tulare Co., Cal.—Until April 5, 7:30 P. M. bids will be received by C. O. Premo, clerk, Porterville Union High School District, to construct pumping plant and tank: tank 4,000 gals. capacity to be set on steel tower 40-ft. high; tank bottom to be No. 18 galvanized iron and walls of No. 16 galvanized iron—pumping plant to be electric direct connected outfit of sufficient capacity to deliver water to tank through 4-in. discharge pipe running full. Specification may be had from clerk.

LOS ANGELES, Cal.—Until 3 P. M., April 18, bids will be received by Board of Public Service, 207 S Broadway, for one 25-ton traveling crane; specification No. P-257. Jas. P. Vroman, secretary.

ALHAMBRA, Cal. — American Cast Iron Pipe Co., was awarded contract for furnishing city 10,880 ft. 4-in. and 500 ft. 6-in. cast iron pipe and fittings.

KINGSBURG, Fresno Co., Cal.—Until April 3, 7.30 P. M., bids will be received by C. K. Magnuson, city clerk, for: (1) installing 375-G.P.M. pump, head of 162 ft., motor, automatic compensator, vacuum and pressure gauges, pipe and fittings, elbow check valve, etc.; (2) for drilling well 8-in. in diameter, 500 gallons per minute, excavating pit and concrete lining 6-in. thick. Specifications may be had from clerk.

MERCED, Merced Co., Cal.—Schultz Construction Co., 46 Kearny St., San Francisco, awarded contract by Crocker-Huffman Land and Water Co., to take up approximately 16,000 ft. of class A old 6-in. cast iron pipe and replace with 10,000 ft. of 6-in. new class A cast iron pipe.

ABERDEEN, Wash.Until April 11, 10 a. m. bids will be received by Port of Grays Harbor, 206 East Wishkah St., Aberdeen, for furnishing and delivering 1 5-ton, 95-ft. traveling hammerhead crane and 6900-ft. of steel rails and fastenings. I. A. Vance, secretary, of Port of Grays Harbor.

EUREKA, Nevada—Until April 10, 10 A. M., bids will be received by R. McCharles, county clerk, for 10-ton tractor f. o. b. point of shipment. **See call for bids under official proposal section in this issue.**

LOS ANGELES, Cal.—Until 3 P. M., April 11, bids will be received by Public Service Commission for furnishing trailers. Spec. P-259. Jas. P. Vroman, secretary.

Until 3 P. M., May 2, bids will be received for furnishing synchronous condenser installations. Spec. P-261.

Until 3 P. M., April 11, for furnishing porcelain insulators and hardware. Spec. P-256. Jas. P. Vroman, secretary.

LOS ANGELES, Cal. — Smith-Booth-Usher Co., 228 Central Ave., low bidder at $12.75 per 100 ft. for furnishing public service department with 25,000 ft. 2-in. standard black pipe, 3678 lbs. per ft. Bids specified wrought iron pipe, Etna brand, f. o. b. Los Angeles. Other bids were: California Hardware Co., $13, delivery in 30 days. Busch Pipe and Supply Co., $12.95; Central Tube Pipe Crane Co., $13.27 rail and ocean, 6 to 8 weeks; $15.30 all rail, 4 weeks. Thos. Haverty Co., $13.15 ocean shipment. Associated Supply Co., $12.89, f. o. b. Los Angeles. Fairbanks-Morse & Co., $13.26 f. o. b. Los Angeles, total price, $3315. N. O. Nelson Mfg. Co., $13.27 rail and ocean shipment, marine insurance included; $15.30 rail. Pacific Pipe & Supply Co., $13.16 f. o. b. factory. Union Hardware & Metal Co., $13.27 f. c. b. cars, delivery in 6 weeks.

SANTA ANA, Cal. — Dixon Pump Works, Santa Ana, was the only bidder and was awarded contract at $468 for furnishing and erecting one square galvanized steel tank tower 60 ft. high, 11.5 ft. at bottom and 4 ft. at top.

NEWPORT BEACH, Cal.—Until 7.30 P. M., April 17, bids will be received by Alfred Smith, city clerk, for drilling 16-in. diameter well at pumping plant site, not to exceed 350 ft. Alternative bid to be received on 18-in. diameter. Certified check 10% required. John McMillan, water superintendent.

RAILROADS

GLOBE, Ariz.—Magma Copper Co. plans to issue $4,000,000 bonds to finance railroad, mill and smelter construction contemplated.

LOS ANGELES, Cal.—Harbor Board has issued an order permitting Santa Fe Ry. to construct and maintain a line to harbor. Santa Fe tracks are now within 15 mile of harbor and track will be laid to connect with interchange yard to be built by harbor terminal railway.

SAN FRANCISCO—Following bids received by Board of Public Works to furnish and deliver municipal railway equipment:

Furnishing 20 car bodies: St. Louis Car Co., St. Louis, Mo., (1) f. o. b. plant, $4900 each; (2) f. o. b. San Francisco, $5538 each. American Car Co., St. Louis, Mo., (1) $4550; (2) $5187. Bethlehem Co., San Francisco, (1) ——; (2) $5922.

Furnishing 20 trucks: St. Louis Car Co., (1) complete trucks and fittings, $1435; (2) spare parts, ——. American Car Co., (1) $1,312.50; (2) $707.

Furnishing Motor Equipment: Under Prop. A: Westinghouse Electric Co., Emeryville, Calif., $2,360; General Electric Co., San Francisco, spare parts on same, $2,303.66.

Same materials under Prop. B: General Electric Co., complete, $2450.

Air Brake Equipment: Westinghouse Electric Co., Emeryville, Calif., (1) complete, $541.13; (2) spare parts, $326. Allis Chalmers, San Francisco, (1) $568.50; (2) $280. General Electric Co., San Francisco, (1) $557.50; (2) $326.50.

CALIFORNIA — Engineering Department of Western Pacific Railroad preparing surveys for contemplated extensions of the Sacramento Northern Railroad, now Western Pacific property from Woodland to Vallejo, via Vacaville, Winters and Suisun.

FRESNO, Fresno Co., Cal.—Fresno Traction Co., First Ave., Fresno, plans improvements and extensions to system costing $150,000. Particulars of the work contemplated are not available because of legal and physical difficulties.

FIRE EQUIPMENT

OAKLAND, Cal.—Until April 6, 12 M., bids will ber eceived by Eugene K. Sturgis, city clerk, for furnishing one straight motor propelled city service truck for fire department. Specifications on file in the office of city clerk.

SAN JOSE, Santa Clara Co., Cal.—Council awards contract to Acme Rubber Co., to furnish and deliver 4000-ft. 2½-in. fire hose in 50-ft. lengths, at $0.70 a ft.

SAN JOSE, Santa Clara Co., Cal.—Council awards contract to Stutz Co., at $11,350 for furnishing and delivering motor pumping engine.

PORTLAND, Ore.—Hilton, Pike and Oakley, Portland, at $4454, submit low bid to City Purchasing Department for furnishing 100 fire hydrants.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

SAN JOSE, Santa Clara Co., Cal.—Until April 3, 5 P. M., bids will be received by Council to improve Keyes St. between 3rd and S. P. right of way; regrading; concrete curbs and gutters; paving with 5-in. concrete base with 1½-in. asphaltic concrete surface, cement sidewalks.

Separate bids, same date, to improve 15th St. between Margaret and William; grading, paving with 3-in. asphaltic concrete base with 1½-in. Warrenite-Bitulithic wearing surface, concrete curbs and gutters. Wm. Popp, city engineer.

MODESTO, Stanislaus Co., Cal.—Standard Paving Co., 1411 Ninth St., Modesto, awarded contract by council to improve Needham Ave. between 9th and McHenry, involving 204,305 sq. ft. grading; 197,994 sq. ft. paving; 6311 sq. ft. gutters; 3900 lin. ft. curbs; 1198 lin. ft. headers; 26 electric standards; 43 pull in boxes; 4977 lin. ft. 1-in. conduit; 14,931 lin. ft. No. 10 copper wire. Geo. Freitas, city engineer.

OLYMPIA, Wash.—Following contracts awarded by State Highway Commission:

C. H. Hendricks, Chehalis, Wash., $140-253; grading, draining and paving with one course concrete 4.73 miles of Ocean Beach Highway, between Chehalis and Adna in Lewis County, Federal Aid Project No. 95.

Grays Harbor Construction Co., Hoquiam, Wash., $110,928; grading, draining and paving with one course concrete 4.02 miles of the Olympic Highway, between Montesano and Brady in Grays Harbor County, Federal Aid Project No. 54.

Jos. Warter Co., Tacoma, Wash., $143,616; grading, draining and paving with one course concrete 5.38 miles of the Olympic Highway between Kamilche and Mill Creek in Mason county, Federal Aid Project No. 67.

C. M. Payne Construction Co., Spokane, Wash., $109,084; grading, draining and paving with one course concrete about 4.0 miles of the Inland Empire Highway between Dartford and Half Moon Prairie in Spokane County, Federal Aid Project No. 94, Section No. 1.

Miracle Concrete Co., Spokane, Wash, $191,477; grading, draining and paving with one course concrete 4 miles of the Inland Empire Highway between Half Moon Prairie and Denison in Spokane County, Federal Aid Project No. 94. Section No. 2.

Pacific Bridge Co., Portland, Ore., $53,725; clearing, grading and draining 10 miles of Pacific Highway between Kelso and Kalama in Cowlitz county.

Hill Construction Co., Portland, $16,-102; clearing, grading and draining .7 mile of the Pacific Highway in vicinity of Kelso in Cowlitz county.

Hill Construction Co., Portland, $24,-536; clearing, grading, draining and surfacing with gravel 1 mile of Pacific Highway in vicinity of Kalama in Cowlitz county.

Hill Construction Co., Portland, $13,-055; clearing, grading and draining .6 mile of Pacific Highway in vicinity of La Center in Clarke county.

SANTA MONICA, Cal.—Joe Chutuk, 426 Bullard Block, Los Angeles, was awarded the contract at $65,048.24, for constructing 38,000 ft. cement pipe sewer and 40,000 ft. of curb, in Pennsylvania Ave.

EL CERRITO, Contra Costa Co., Cal.—Until April 6, 8 P. M., bids will be received by city trustees to improve portions of Elm, Norvell, Richmond and Everett Sts., involving 13,040 cu. yds. grading; 2810 cu. yds. fill; 22,034 lin. ft. concrete curbs; 37,800 sq. ft. concrete gutters; 9110 sq. ft. water bound macadam; 180 lin. ft. 21-in. and 262.2 ft. 36-in. concrete pipe culvert; 70 lin. ft. 5-ft. 6-in. x 3-ft. concrete box culvert; 700 lin. ft. 6x24-in. corrugated iron and concrete culverts; 16 concrete inlets; 40 cu. yds. concrete (headwalls). W. S. Farley, Monadnock Bldg., San Francisco, engineer.

WATTS, Cal.—B. D. Baucus, 173 W 43rd St., Los Angeles, awarded contract at about $484,000 for constructing sewer system including treatment plant, for City of Watts.

POMONA, Cal.—Fleming Constr. Co., 105 N Park Ave., Pomona, awarded contracts for paving with 5-in. cement concrete with oil top, Main, Gordon, Park and Thomas Sts. at $32,275.80 and Commercial St. at $8071.81.

FRESNO, Fresno Co., Cal.—County Engineer Chris. P. Jensen, preparing specifications to pave 5 miles of highway on Shaw Ave.; pavement 16 ft. wide, probably of asphaltic concrete, 5-in. thick, involving 7300 cu. yds. excavation and 423,000 sq. ft. pavement, estimated cost, $113,000.

Specifications being prepared to pave Ventura Ave., a distance of 5558.9 ft., 100 ft. wide; paved with asphaltic concrete 3½-in. base, 1¼-in. binder and ¼-in. seat coat, total thickness, 5-in.; approximately 13,000 cu. yds. excavation; 8270 lin. ft. sidewalk curb; 6445 lin. ft. parking curb; 32,700 sq. ft. pavement; 15 drain culverts; estimated cost, $115,000. Bids will be asked in about a month.

SAN FRANCISCO—Until April 12, bids will be received by Board of Public Works for constructing 15,980 lin. ft. concrete curbs and 300,450 sq. ft. asphaltic concrete pavement in Mission Terrace; estimated cost, $100,000. Bids received for this work Jan. 18, rejected.

LODI, San Joaquin Co., Cal.—City Engineer L. F. Barzellotti completes specifications to improve portion of South Sacramento street, involving 19,682 sq. ft. 2½-in. asphaltic concrete base with 1½-in. Warrenite surface; 55,124 sq. ft. grading; 3,116 lin. ft. concrete curbs; 3,887 sq. ft. gutters.

Specifications completed to improve portion of Toyak street, involving 127,575 sq. ft. 2½-in. asphalt concrete base with 1½-in. Warrenite surface; 139,328 sq. ft. grading; 6,336 lin. ft. concrete curbs; 7,760 sq. ft. concrete gutters.

COMPTON, Cal.—Until April 4, bids will be received by City Trustees for the following street work under Vrooman Act: Bennett and other streets, about 3¾ miles, to be graded and paved with 5-in. decomposed granite compacted, 18 ft. wide, and 2 small wooden bridges with concrete abutments.

Arbutus and Terebinth Sts., about 400 lin. ft. to be graded and paved with 5-in. decomposed granite 36 ft. wide; about 800 lin. ft. 5-ft. cement sidewalk and two 36-in. corrugated iron culverts each 60 ft. long. E. M. Lynch, Central Bldg., Los Angeles, Engineer.

SANTA MONICA, Cal.—Joe Chutuk, 426 Bullard Bldg., Los Angeles, awarded contract at $65,048.24, to improve Pennsylvania Ave. between 14th and 20th Sts., involving 40,000 lin. ft. cement concrete curb, 38,000 ft. cement pipe sewer, and cement sidewalk.

SANTA ANA, Orange Co., Cal.—Until 10 A. M., April 4, bids will be received by Supervisors for resurfacing of Garden Grove Ave., Sec. 2, 2nd Road District. J. L. McBride, county road com.

SANTA MONICA, Cal.—Keen Paving Co., Ludley Bldg., Santa Monica, at approximately $45,000, low bidder to improve 4th St. between Pico and Colorado, involving 149,936 sq. ft. grading; 67,870 sq. ft. Warrenite-Bitulithic on asphaltic concrete base; 82,066 sq. ft. asphaltic paving on asphaltic concrete base; 640 lin. ft. cement curb; 2535 sq. ft. walk.

MONROVIA, Cal.—Until April 3, 7.30 P. M., bids will be received by Council for laying 350 ft., more or less, old 24-in. reinforced concrete pipe; laying 630 ft., more or less, new 24-in. concrete pipe.

MARICOPA, Kern Co., Cal.—Street Superintendent W. H. Wathen has been instructed to take preliminary proceedings for improving California St between N city limits and Main St., and portions of other streets with 1½-in. asphaltic concrete on 3½-in. base; 1915 Bond Act.

WATTS, Cal.—B. D. Baucus, 173 W. 43rd St., Los Angeles, awarded contract at $484,000 for constructing sewer system, including treatment plant, for city of Watts. Work will be done under 1911 Act, and 1915 Bond Act. Contract involves 97,338 ft. 6-in., 18,151 ft. 8-in., 3111 ft. 10-in., 4949 ft. 12-in., 3595 ft. 15-in., 2105 ft. 20-in. and 4420 ft. 24-in. cement pipe. Koebig & Koebig, Title Insurance Bldg., Los Angeles, engineers.

EL CENTRO, Cal.—Oswald Bros., 336 E. 58th St., Los Angeles, low bidders to improve portions of Orange Ave., Third St. Commerical Ave. and Fourth St., by paving approximately 100,000 sq. ft. with 5-in. asphalt concrete and part with 2-in. asphalt on 5-in. concrete base, constructing curbs, and laying 6-in. water main.

CARSON CITY, Nevada—Until April 12, bids will be received by State Highway Commission for constructing three stretches of highway system. Geo. W. Borden, State Highway Engineer. **See call for bids under official proposal section in this issue.**

CARSON CITY, Nevada—Following are approximate quantities of materials involved in highway projects for which bids will be opened by State Highway Commission, April 12:

Route 3, Section C, 3.48 miles in Ormsby county between Carson City and Lakeview: 1900 cu. yds. excavation without classification; 15 cu. yds. class A and 2.5 cu. yds. class B concrete; 24 lin. ft. 15-in. and 24 lin. ft. 18-in. corrugated metal pipe; 8 monuments; preparing 3.48 miles subgrade and shoulders; 30617 sq. yds. cement concrete paving. State will furnish cement and sand at Lakeview or Carson City; rock at Lone Mountain stockpile near Carson City; 1 sign post and sign.

Route 3, Section C-2-A, 2.37 miles in Douglas county from 6.06 miles north of Minden to 8.43 miles north: 21,000 cu. yds. excavation without classification; 95 cu. yds. class A and 20 cu. yds. class B concrete; 24 lin. ft. 15-in., 156 lin. ft. 18-in. and 110 lin. ft. 24-in. corrugated metal pipe; 848 lin. ft. wooden guard rail; 6 monuments; 2.37 miles prepare subgrade and shoulders; 3800 cu. yds. screening and loading gravel; 9500 yds mile haul gravel; 20,850 sq. yds. spreading and compacting gravel. State will furnish post and sign. Geo. W. Borden, State Highway Engineer.

FILLMORE, Cal.—Trustees declare intention to improve Central Ave. between Sespe Ave and Clara St., and portions of Blaine, Central and other streets, by paving with 5-in. cement concrete and constructing cement curbs and 5-ft. cement walks; 1911 Act. E. M. Lynch, Central Bldg., Los Angeles, City Engineer.

WALLA WALA, Wash.—City Commissioners declare intention to call bids to pave Chestnut street, from Howard street, west city limits; distance of

14 blocks to be paved with "some standard hard-surfaced material, 28 ft wide."

PORTERVILE, Tulare Co., Cal.—Action on six paving petitions has been held up by low property valuations. Petitions are signed and await the council's decision.

TAFT, Kern Co., Cal.—Until April 3, bids will be received by the City Trustees for grading and oiling and constructing curb, sidewalks on streets in residential section, involving about 10,000 sq. ft. grading and oiling; 60,000 sq. ft. 5-in. concrete gutter; 200,000 sq. ft. 3-in. cement sidewalk and 40,000 lin. ft. concrete curb; 1911 Act. E. M. Lynch, Central Bldg., Los Angeles, Engineer.

WILLOWS, Glenn Co., Cal.—Until April 12, 8 P. M., bids will be received by H. G. Rawlins, clerk, Willows Union High School District, for grading school grounds and constructing 8000 ft. concrete walks. R. H. Thomas, Willows, Calif., engineer. **See call for bids under official proposal section in this issue.**

CARSON CITY, Nevada — Following are approximate quantities of materials required to construct Route 1, Sec. D, 16.1 miles, in Pershing county, between Zola and Humboldt house, bids for which will be opened by State Highway Commission, April 12th: preparing 16.1 miles subgrade and shoulders; loading 16,000 cu. yds. gravel; hauling 34,150 yard miles gravel; spreading 16,000 cu. yds. gravel. Geo. W. Borden, state highway engineer.

PHOENIX, Ariz.—Morgan, Ford & Co., 218 O'Niel Bldg., Phoenix, awarded contract at $36,847.59, for improving 4.47 miles of Prescott-Jerome and Preston Ashfork highway. Work comprises grading and gravel surfacing, 20 ft. roadway with 16 ft. surface, and placing of all drainage structures.

MODESTO, Stanisalus Co., Cal.—A contract involving about $60,000 will be let shortly for resurfacing with 1½-in. asphaltic concrete, the following streets: J and H between 9th and 15th; two blocks on 11th; and 3 blocks each on 12th, 10th and 13th. Geo. H. Freitas city engineer.

RICHMOND, Contra Costa Co., Cal.—Council approves specifications to improve 29th St., streets in San Pablo Villa and widening of 10th St., and portions of Lucas Ave. Petitions presented seeking improvement of Stege Ave. between 34th and Cutting Blvd.; asphaltic concrete pavement and sidewalks asked. Petitions seeking similar improvements in 35th, 36th, 37th, 38th, 39th and 40th between Wall Ave. and Cutting Blvd., also presented. H. D. Chapman, city engineer.

SAN DIEGO, Cal.—California Construction Co., 58 2nd St., San Francisco, only bidder at $50,303 for paving Roosevelt Memorial Drive, near La Jolla. Work involves 2827.5 cu. yds. excavation; 1529.3 cu. yds. embankment; 121,070.8 sq. ft. pavement and 13,025.4 sq. ft. berms; 1,234 concrete 5-in. thick; curtain wall, 2001.5 lin. ft. concrete 1x3 ft.

LOS ANGELES, Cal.—B. D. Baucus, 173 W. 43rd St., awarded contract at $10,273.15 for grading and oiling and constructing curb, gutter and walks in Chelsea St. between first angle point east from Soto St. and Tremont St., and portions of other streets.

SACRAMENTO, Cal.—City Engineer Albert Givan, completes specifications to improve:

9th Ave. between Franklin Blvd. and 23rd St., involving 1171 lin. ft. combination concrete curb and gutter, 141 lin. ft. 6-in. and 25 lin. ft. 8-in. vitrified sewer, 1 concrete manhole; reconstructing 2 concrete manholes; 8 cast iron gutter drains, 21,862 sq. ft. 5½-in. asphaltic concrete pavement, 2427 sq. yds. grading.

51st St. between Folsom Blvd. and V St., and P St. between 48th and 51st St., involving 3166 lin. ft. combination concrete curb and gutter; 2390 lin. ft. concrete gutter; 83 lin. ft. concrete curb; 588 lin. ft. 6-in. and 1399 lin. ft. 8-in. vitrified sewer; 22 cast iron gutter drains; constructing 7 and reconstructing 5 concrete manholes; 24 ¾-in. water service connections; 85,291 sq. ft. 5½-in. asphaltic concrete pavement; 9477 sq. yds. grading.

MARYSVILLE, Yuba Co., Cal.—Jason R. Meek will seek election to the office of county surveyor. L. B. Crook, present incumbent will also be a candidate.

SACRAMENTO, Cal.—J. W. Terrell, 1111 29th St., submits only bid to Council to construct 6, 8 and 10-in. vitrified sewers, concrete manholes, etc., in 8th Ave. Taken under advisement. Albert Givan, city clerk.

UKIAH, Mendocino Co., Cal.—Until April 11, 10 A. M., bids will be received by Supervisors for grading 9 ft. road bed of Sec. 2, State Highway and Nash Road, East End, a distance of 2230 ft., unclassified excavation. E. H. Smith, county surveyor.

VISALIA, Tulare Co., Cal.—Until 7.30 P. M., Apr. 5, bids will be received by city clerk for street work as follows:

West Acequia St. between S Court and S Conyer Sts., grading, paving with 3½-in. Warrenite-bitulithic on 4-in. asphaltic concrete base, concrete curbs, gutters, 5-in. cement concrete alley approaches, corrugated iron culverts, catchbasins. S Conyer St. between W Acequia and West Main Sts., and between W Acequia St. and culvert over Mill creek, grading, paving with 1½-in. Warrenite-bitulithic on 4-in asphaltic concrete base, concrete curbs and gutters, 5-in. cement concrete alley approaches; 1911 Act and 1915 bond improvement Act.

Alley between Main and Acequia Sts. from S Locust St. to S Floral St., grading, paving with 5-in. cement concrete, and constructing cement concrete alley approaches; 1911 Act and 1915 Bond Act.

East Mineral King Ave. between E city limits and 657½ ft. W, grading, paving with 1½-in. Topeka top on 4-in. asphaltic concrete base, 46 ft. wide, concrete combination curbs and gutters; 1911 Act and 1915 Bond Act. Plans and specifications at office of city engineer L. H. Gadsby.

RICHMOND, Contra Costa Co., Cal.—City Council rejects bids received to improve Lincoln and McBryde Aves.; estimated cost, $59,000, involving 5000 cu. yds. cut; 50,000 sq. ft. 4-in. asphaltic concrete paving; 60,000 sq. ft. concrete sidewalks; 12,000 lin. ft. concrete curbs; 12,000 sq. ft. concrete gutters and 5000 lin. ft. 6-in. lateral sewers. Low bid offered by Hutchinson Co., Oakland, $66,365. H. D. Chapman, city engineer.

FLAGSTAFF, Ariz.—City Council declares intention to pave with bitulithic portions of Birch, Cherry and Dale Aves., and Agassiz, Verde and Beaver Sts., in Paving District No. 2.

CARSON CITY, Nevada — Wasatch Grading Co., Provo, Utah, at $33,194, submits low bid to State Highway Commission for constructing portions of state highway in Clarke county from 6 miles southwest of Apex Summit to Apex Summit, consisting of grading, placing gravel surface and constructing concrete culverts. Bid is approximately $11,000 lower than estimate of Engineer Geo. W. Borden.

MT. VERNON, Wash.—D. W. Miley, Everett, Wash., at $143,624, awarded contract by Skagit county commissioners to pave 6½ miles of Skagit highway between Hamilton and Lyman with 7 in. concrete, approximately 62,000 sq. yds. of pavement. Contract includes construction of seven timbered bridges with 5½-in. reinforced concrete decking.

OLYMPIA, Wash.—Until April 10th, bids will be received by State Highway Commission for: Clearing, grading, draining and paving with one course concrete about 4.18 miles of the Sunset highway, between Sunnyslope and East Cashmere in Chelan County, Federal Aid project No. 99.

Clearing, grading, draining and paving with one course concrete about 3.71 miles of the Olympic highway, between McCleary and the Thurston County Line in Grays Harbor County, Federal Aid project No. 101.

Grading, draining and paving with one course concrete about 1.40 miles of the North Bank highway between Ellsworth and Camas in Clarke county, Federal Aid project No. 36.

Clearing, grading and draining about 4.92 miles of the National Park highway between Alder and Elbe in Pierce county.

Clearing, grading, draining and surfacing with crushed rock about 5.0 miles of State Road No. 22, from Davenport North in Lincoln county.

SAN JOSE, Santa Clara Co., Cal.—Council declares intention to improve Coe Ave. between Delmas and Bird Aves., regrading; paving with 3½-in. asphaltic concrete base with 1½-in. asphaltic concrete surface; concrete curbs and gutters. Protests April 10. Wm. Popp, city engineer.

SAN LEANDRO, Alameda Co., Cal.—Trustees declare intention to improve Lewis and Mitchell Aves. from Hollywood Blvd. to south boundary of Hollywood; grading; concrete curbs and sidewalks; paving with oil-surfaced macadam. R. H. Goodwin, city engineer.

SACRAMENTO, Cal.—A. Teichert & Sons, Ochsner Bldg., Sacramento, awarded contract by Council to improve 15th St. from U St., southerly, by grading; paving with asphaltic concrete; concrete curbs, gutters and sidewalks; manholes and 6-in. vitrified pipe sewer. Albert Givan, city engineer.

CALIFORNIA — Following are approximate quantities of materials involved in grading 11 miles of highway in Monterey county between San Lucas and 2¾ miles east of Long Valley school, bids for which will be opened by State Highway Commission, April 10th: 56,500 cu. yds. excavation without classification; 24,500 cu. yds. gravel surface; 198 cu. yds. class A concrete culverts and monuments; 1449 lin. ft. 12-in., 464 lin. ft. 18-in., 812 lin. ft. 24-in., 197 lin. ft. 30-in. and 56 lin. ft. 36-in. corrugated metal pipe; 5000 lin. ft. guard rail; 174 monuments. Commission will furnish reinforced steel, Portland cement and corrugated metal pipe.

SACRAMENTO, Cal.—Committee has been organized to perfect plans to secure a municipal stadium. Clyde Seavey, city manager and Chas. Hughes, a member of the Board of Education are on the committee.

CHICO, Butte Co., Cal.—Until April 3, 8 P. M. bids will be received by Bidwell Park and Playground Commission, E. T. Williamson, secretary, for furnishing one carload, 225 bbls., 4 sacks to bbl., Portland cement. Bidders to state allowance for return of sacks and discount for cash payment.

SACRAMENTO, Cal.—Until April 6, 9 P. M., bids will be received by City Commission, to improve 37th St. between T and Y Sts., involving 3129 lin. ft. combination concrete curb and gutter; 366 lin. ft. concrete curb; 47 lin. ft. 8-in. and 372 lin. ft. 6-in. vitrified sewer pipe; 15 cast iron gutter drains; 2 concrete manholes; reconstructing 7 concrete manholes; 7777 sq. yds. grading; 70,000 sq. ft. asphaltic concrete pavement.

Until April 13, 9 P. M., bids will be received to improve 31st St. between J and P Sts., involving 4453 lin. ft. combination curb and gutter; 220 lin. ft. concrete curb; 370 lin. ft. 7-in. vitrified sewer, 13 cast iron gutter drains; reconstructing 4 concrete manholes; 10,131 sq. yds. grading; 93,880 sq. ft. asphaltic concrete pavement. Albert Givan, city engineer.

CARSON CITY, Nevada — Wasatch Grading Co., Provo City, Utah, at $33,291.06, awarded contract by state high-

way commission to construct 6 miles of highway in Clark county, 6-D-1. Other bidders: Redmond-Page Co., San Francisco, $73,574.03; Nevada Contracting Co., Fallon, Nev., $49,605.78; J. J. Coan, Salt Lake City, Utah, $42,962.30; Alston & Hoggen, Salt Lake City, Utah, $36,219.13; Stange & Vallandingham, Salt Lake City, Utah, $35,471.28; Kroft & Bundy, Ogden, Utah, $32,963.11.

BIGGS, Butte Co., Cal.—Clark and Henery Construction Co., 38 So. Sutter Street, Stockton, at $53,424 awarded contract by trustees to improve Main Street, involving 125,000 feet 5-inch concrete base with 1½-inch Bitumen surface; 12,000 sq. feet concrete gutters; 140,000 square feet grading; 5,000 feet concrete curb; 800 lin. feet headers; 120 feet corrugated metal culvert; 3,400 feet 6-in. C. I. pipe; 10 Cory fire hydrants; 9 iron body brass mounted 6-in. valves. Other bidders: Federal Construction Co., $55,537; Chico Contracting Co., $59,250. Chas. E. Sloan, Sante Fe Building, San Francisco, engineer.

SAN FRANCISCO—Schultz Construction Co., 46 Kearny St., at $60,814.47, submits low bid to Board of Public Works to improve Liberty St. between Noe and Sanchez. Bid is approximately $10,000 under estimated of city engineer. Other bids: Jas. M. Smith, $74,101.14; A. H. Vogt, $74,920.35. Project involves: construction of concrete retaining walls (lump sum) $34,400; 15,284 cu. yds. cut; 2137 cu. yds. fill; 1184 sq. ft. artificial stone sidewalks; 64 lin. ft. concrete curb; 874 lin. ft. 12-in. and 729 lin. ft. 8-in. sewer; 34 12-in. and 21 8-in. wye branches; 972 lin. ft. 6-in. side sewers; 50 6-in. pipe traps; 14 brick manholes; 1 brick drop manhole and 1129 lin. ft. iron pipe railing.

James M. Smith, 407 11th St., at $12,867.20, low bidder to improve 17th St. between Santiago and Taraval. Other bids: Fay Improvement Co., $13,898.86; Pacific States Construction Co., $13,804; Raisch Improvement Co., $14,642.20. Project involves 3070 cu. yds. fill; 5270 cu. yds. cut; 1200 lin. ft. concrete curbs; 4200 sq. ft. brick pavement and 19,800 sq. ft. asphaltic concrete pavement.

Pacific States Construction Co., Call Bldg., at $16,764, low bidder to improve Paris St. between France and Italy. Only other bidder: Jas M. Smith, $17,488. Project involves 415 cu. yds. fill; 3307 cu. yds. cut; 1303 lin. ft. concrete curbs; 2800 sq. ft. brick pavement; 18,617 sq. ft. asphaltic concrete pavement; 11,541 sq. ft. artificial stone sidewalks; 26 lin. ft. 10-in. culvert; 2 brick catchbasins; 3 concrete stairs and copings.

City Construction Co., Call Bld., at $2098, only bidder to improve crossing of Foerster and Staples, involving 100 cu. yds. cut; 20 lin. ft. 8-in. and 20 lin. ft. 12-in. sewer; 1 brick manhole; 2 brick catchbasins; 40 lin. ft. 10-in. culvert; 119 lin. ft. concrete curbs; 584 sq. ft. artificial stone sidewalks; 3118 sq. ft. asphaltic concrete pavement.

No bids received to improve Harold Ave. from Grafton southerly, involving 384 lin. ft. 8-in. sewer; 21 8-in. wye branches; 3 brick catchbasins; 1 lamphole.

No bids received to improve Joost Ave. between Foerster and Edna, involving 2643 cu. yds. cut; 939 cu. yds. fill; 1605 lin. ft. concrete curbs; 12,050 sq. ft. concrete pavement; 8553 sq. ft. asphaltic concrete pavement; 3 brick catchbasins; 110 lin. ft. culverts; 8 12-in. wye branches; 100 lin. ft. 12-in. sewer and 370 sq. ft. artificial stone sidewalks. M. M. O'Shaughnessy, city engineer.

CALIFORNIA—Until April 24, 2 P. M. bids will be received by State Highway Commission, Forum Building, Sacramento, for paving with Portland cement concrete 3.6 miles of highway in San Luis Obispo county between San Luis Obispo creek and Guesta. Austin B. Fletcher, state highway engineer.

BERKELEY, Alameda Co., Cal.—T. E. Clinch, 668 - 9th street, Richmond, at $694 low bidder to construct 6-in. vitrified sewer in Allston Way. Other bidders: H. N. Heafey, $800; Michael Murphy, $843; Geo. C. DeGolyer, $995. Taken under advisement.

BAKERSFIELD, Kern Co., Cal.—City Engineer W. D. Clarke completes specification to construct 11,476 square feet cement concrete sidewalks and 289.6 lin. feet cement concrete curbs in Chester avenue. (Res. of Int. No. 440.)

SAN FRANCISCO—Board of Public Works rejects bid of C. B. Eaton at $3661 to sewer Saturn street, between Ord and Lower Terrace, involving 499 lin. ft. 8-in. and 206 lin. ft. 12-in. vit. sewer pipe; 21 8-in. and 3 12-in. wye branches; 1 lamphole and 5 brick manholes.

Bid of City Construction Co., at $1,018.48, to improve Andover St. between Eugenia and Powhattan, including crossing, rejected. Involves 69 lin. ft. conc. curb; 66 sq. ft. art. stone walks; 319 sq. ft. conc. and 1387 sq ft. asph. conc. pavement; 24 lin. ft. 10-in. culvert and 1 brick catchbasin. New bids will be asked for these projects at a later date.

BAKERSFIELD, Kern Co., Cal.—F. W. Nighbert (Valley Construction Co.), at $16,919, awarded contract by council to construct sidewalks in Street District No. 76. Weitzel & Larsen, Bakersfield, only other bidder, $19,638. Nighbert at $18,671, also awarded contract to construct sidewalks and curbs in Street District No. 439; only other bidder, Weitzel & Larsen, $20,134. W. F. Clarke, city engineer.

SAN FRANCISCO—City Construction Co., Call Bldg., at $13,872, awarded contract to improve Hearst Ave. between Edna and Foerster, involving 4130 cu. yds. cut; 704 cu. yds. fill; 1200 lin. ft. concrete curbs; 14,400 sq. ft. artificial stone walks; 18,000 sq. ft. asphaltic concrete pavement.

RICHMOND, Cal.—W. F. Edwards, Oakland, at approximately $30,910 submits low bid to San Pablo Sanitary District to construct vitrified sewer, involving 570 lin. ft. 6-n., 1070 lin. ft. 8-in., 2200 lin. ft. 10-in., 4600 lin. ft. 15-in., 1420 lin. ft. 21-in. and 5250 lin. ft. 24-in. vitrified sewer pipe and 50 manholes. Other bidders were: W. J. Schmidt, $31,985.25; S. C. Rogers, $41,511.25; Schultz Constr. Co., $32,967.31; W. J. Tobin, $31,008.05; Heafey, Moore & McNair, $31,316.68; Harron & Hays, $33,133.80; Chambers & DeGoyler, $31,825.54; Downer & Mero, $32,336.26; Thomas Clinch, $33,554.44; E. E. Grow, $32,895.11; L. L. Page, $32,068.73. Four lowest bids taken under advisement. Ross L. Calfee, 221 South 22nd St., Richmond, engineer.

SANTA ANA, Cal.—An election will be held April 4 for voting on an issue of $38,000 street improvement bonds. Of this sum, $22,000 will be expended on W. 5th, the portion between Baker and Artesia to be paved in ful width with 1½-in. asphalt o n7-in. and 4½-in. concrete base; W. 17th Street paving will involve work amounting to $16,000.

SAN DIEGO, Cal.—Until 11 A. M., April 12, bids will be received by Bureau of Yards and Docks, Navy Department, Washington, D. C., for constructing roads and walks at Naval Training Station, San Diego; specification No. 4602. Work will involve 128,700 sq. ft. 7-in. concrete, 10,250 lin. ft. integral curb, 6x8x18-in. concrete; approximately 15,300 sq. ft. 4-in. sidewalk. Plans may be obtained from Public Works Officer, Loma Portal, San Diego, upon deposit of $20. Date previously advertised as April 5, changed as above

NEWPORT BEACH, Cal—Shepard & Weber, 2731 6th Street, Santa Monica, low bidders at $27,963.90 for furnishing and installing cast iron pipe force main and appurtenances for water dept. Sidney Smith, 2025 Bay Street, Los Angeles, bid $33,590.

OAKLAND, Cal.—Until April 13, 12 M., bids will be received by Council to construct cement sidewalks in portions of Broadway, Merrit and Brooklyn aves., Lake Shore and Foothill Boulevard, 33rd, 34th, 35th and Jones ave. W. W. Harmon, city engineer.

MODESTO, Stanislaus Co., Cal.—County Surveyor J. H. Hoskins completing specification to pave 2 mile of Dry creek road and bids will be asked shortly.

MERCED, Cal.—Trustees declare intention to improve Twenty-first St. between P and Q Sts.; J St. between 16th and 22nd Sts.; 13th and 14th Sts. between M and P Sts.; N ½ of 16th St. between O and Q Sts.; 23rd St. between H and N Sts.; grading, paving with 1½-in. Warrenite-bitullthic on 2½-in. and 3½-in. asphaltic concrete base; 1911 Act and 1915 Bond Act. Protests to be heard April 17. C. D. Martin, city engineer.

SAN DIEGO, Cal.—California Constr. Co., 58 2nd St., San Francisco, only bidder at $50,303 to pave Roosevelt Memorial Drive near La Jolla. Work involves 2827.5 cu. yds. excavation; 4529.3 cu. yds. embankment; 121,079.3 sq. ft. 5-in. concrete paving; 13,025.4 sq. ft. concrete beams; 2001.5 lin. ft. curtain wall; 254 ft. guard rail; four culverts.

PASADENA, Cal.—DeWaard & Coblan, 207 Granger Bldg., San Diego, were low bidders at $106,660, for constructing sewers in San Rafael Heights, involving 11,004.38 ft. 8-in., 4295.15 ft. 10-in., 1396 ft. 12-in. and 1435 ft. 14-in. vitrified pipe; 535 ft. 12-in. cast iron pipe; 73 manholes and 8 flush tanks; contract includes reinforced concrete highway bridge carrying main sewer.

Meagenovich & Gillespie, 1029 W 36th St., Los Angeles, were low bidders at $42,790 for constructing sewers in Pasadena Heights, involving 23,405 ft. 8-in., 2298.1 ft. 14-in., 1402 ft. 16-in., 190.07 ft. 20-in. vitrified pipe; 23 flush tanks and 88 manholes.

SAN DIEGO, Cal.—Bids will be called for shortly for paving around Naval Hospital in Balboa Park, involving 8100 sq. yds. 1:1½:3 concrete paving, averaging 7-in. in thickness; 550 sq. yds. walk; 5100 lin. ft. curb; 1800 lin. ft. inverted curb.

FRESNO, Fresno Co., Cal.—Federal Construction Co., Call Bldg., San Francisco, at $46,881, submits low bid to council to improve First St. between Belmont and Tulare, involving 158,064 sq. ft. grading; 114,236 sq. ft. 5-in. asphaltic concrete pavement; 5610 sq. ft. concrete gutter; 3540 lin. ft. concrete curb; 20,393 sq. ft. concrete sidewalks; 403 lin. ft. 12-in. and 224 lin. ft. 18-in. corrugated iron culvert; 12 manholes.

Other bidders: California Road and Street Imp. Co., Fresno, $48,132; Thompson Bros., Fresno, $48,306.

Thompson Bros., 1514 H St., Fresno, at $36,728, low bidder to improve Calaveras St. between H and Divisadero, involving 120,377 sq. ft. grading; 112,751 sq. ft. 3½-in. asphaltic concrete base with 1½-in. Warrenite top pavement; 7282 sq. ft. gutters; 4513 lin. ft. curbs; 208 lin. ft. 18-in. corrugated culvert and 4 manholes. Other bidders: Federal Construction Co., $37,472; Cal. Rd. & St. Imp. Co., $37,194. Bids taken under advisement. Wm. Stranahan, city engineer.

Eng. 21

SAN RAFAEL, Marin Co., Cal.—Council declares intention to construct concrete curbs in portions of A, B, C, D, E, and other streets. Imp. Act 1911. Protests April 17. Eugene W. Smith, city clerk.

Eng. 21

STOCKTON, San Joaquin Co., Cal.—Council declares intention to construct lateral sewers with wyes, manholes with and without automatic flushers in portions of North Center, Arcade, Noble and Geary Sts. Imp. Act 1911. Protests April 18. W. B. Hogan, city engineer.

Eng. 21

OAKDALE, Stanislaus Co., Cal.—Until April 12, 2 P. M., bids will be received by J. Alban Rydberg, clerk, Oakdale Union School District, to construct 5 and 6-ft. wide cement walks fronting two schools.

Eng. 21

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

$5,000 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
1185	Suno	Suno	6000
1186	Sala	Mitchell	23800
1190	S F News	Owner	75000
1192	Owl	Brumfield	5900
1194	Stuart	Owner	8500
1195	Delucchi	Owner	7000
1196	Pacific	Coburn	31189
1198	Anderson	Hogrefe	40000
1199	Phelan	Owner	8000
1200	Klimm	Owner	30000
1203	Adams	Moren	2175
1204	Allen	Boxton	16370
1205	McCarthy	Arnott	2800
1206	Robb	Meyer	9250
1207	Salazar	Gott	6400
1208	Guittard	Taylor	6270
1209	Guittard	Kiesel	1610
1210	Davis	Hamill	4500
1214	Nelson	Owner	6000
1215	Myers	Britt	10000
1217	Kruse	Johnson	55124
1219	Cohan	Morton	8000
1221	Boe	Owner	5000
1226	Allred	Owner	5000
1230	Siebe	Little	35000
1234	Pacific	Coburn	31189
1235	Pacific	Forster	2085
1236	Pacific	Scott	990
1237	Sack	Ingraham	8652
1238	Fox	Coburn	5000
1241	Tray	Owner	20000
1242	Capelli	Ferroni	23000
1244	Quinn	Coleman	7150
1245	Aronson	Owner	20000
1249	Monson	Owner	6000
1250	Graves	Meyer	2900
1251	S. F. News	Atlas	17657
1252	Capo	Atlas	10800
1253	Capo	Gunn	13000
1254	Capo	Merchant	109900
1255	Capo	Knowles	4500
1256	Cappo	American	76000
1257	Capo	Lawson	35000
1258	Capo	Maundrell	23000
1259	Capo	Pacific	38500
1260	Wood	Thorup	9000
1261	Wood	Thorup	9000
1262	Vangoukles	Knox	8500
1266	Helske	Owner	5000
1267	National	Not let	8000
1268	National	Not let	18000
1269	Devencenzi	Owner	25000
1272	Allred	Owner	16000
1281	Kirby	Owner	5000
1282	Peterson	Owner	7600
1287	Fassio	Owner	25000
1288	Carter	Urban	4000
1289	Breen	Hamill	7000
1291	Anglo	Price	1550
1292	Bertram	Meyer	8689
1293	Kittle	Ellingson	13703
1294	Hebrew	Guilfoy	2129
1295	Same	Rupheld	2833
1296	Bond	Depew	7600
1297	Queen	Wilson	8150
1298	Bergalupi	Demartini	3800
1299	Giorgi	Fontanella	6000
1300	Lurie	Vukicevich	50000
1301	Phillipps	Gillighey	6000
1302	McLaughlin	Reedy	5476
1303	Neller	Arnott	6620

RESIDENCE
(1185) N BALBOA 57-6 W 17th Ave. Three-story and basement frame residence.
Owner—Speranza Suno, 39 West 2nd St., Pittsburg, Calif.
Architect—None.
Contractor—Horace J. Suno, 39 West 2nd St., Pittsburg, Calif. $6000

RESIDENCES
(1186) E BRYANT 75, 100, 125, 150, 175, 200 and 225 S 26th. Seven 2-story and basement frame residences.
Owners—Sala & Sala, 3090 16th St., San Francisco.
Architect—None.
Contractor—Thos. F. Mitchell & Son, 1370 Utah St., San Francisco. $3400 each

FACTORY
(1190)S W HOWARD & HAWTHORNE Two-story class C (brick) manufacturing plant.
Owner—The San Francisco News Co., 747 Howard St., San Francisco.
Architect—N. W. Sexton, Chronicle Bldg., San Francisco.
Contractors—Various. $75,000

MARQUISE
(1192) NE MARKET AND TAYLOR. Furnish and install Marquise.
Owner—The Owl Drug Co., 611 Mission St., San Francisco.
Architect—G. A. Lansburgh, 709 Mission St., San Francisco.
Contractor — Brumfield Electric Sign Co., 18 7th St, San Francisco. $5900

APARTMENTS
(1194) W 19th Ave. 375 N Fulton. Two-story and basement frame (4) apartments.
Owner—J. C. Stuart, 3340 24th St., San Francisco.
Architect—None.
Day's work. $8500

FLATS
(1195) E NINETEENTH AVE. 275 S Anza. Two-story and basement frame (2) flats.
Owner—Julius Delucchi, care of Architect.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Day's work. $7000

GYMNASIUM
(1196) N OCEAN AVE. 80 E Faxon. One-story brick gymnasium.
Owner—Pacific Hebrew Orphan Asylum and Home Society, 11 Homewood Ave., San Francisco.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.
Contractor—Ira W. Coburn, Hearst Bldg., San Francisco. $31,189

APARTMENTS
(1198)E POWELL 94 N Sacramento. Four-story and basement concrete (16) apartments.
Owner—Matilda Anderson, 746 Geary St., San Francisco.
Architect—E. E. Young, 251 Kearny St., San Francisco.
Contractor—H. D. Hogrefe, 61 Divisadero St., San Francisco. $40,000

FLATS
(1199) W TWENTY-FOURTH AVE. 100 S Lake. Two-story and basement frame (2) flats
Owner—J. P. Phelan, 1706 Anza St., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Day's work. $8000

APARTMENTS
(1200) S ANTONIO near Leavenworth. Six-story reinforced concrete (20) apartments.
Owner—Frank J. Klimm, 221 Oak St., San Francisco.
Architect—T. Paterson Bros., 310 California St., San Francisco.
Day's work. $30,000

ALTERATIONS
(1203) NO. 1251 TWELFTH AVE. Alterations and additions to building.
Owner—Nathan Adams, premises.
Architect—None.
Contractor—George R. Moren, 125 Falcon Ave., San Francisco.
Filed Mar. 24, '22. Dated Mar. 24, '22
Roof on $500
Completed and accepted..... 500
Usual 35 days..... 675
90 days after completed..... 500
TOTAL COST, $2175
Bond, none. Limit, June 24, 1922. Forfeit, none. Plans and specifications filed.

FLATS BUILDING
(1204) E DIVISADERO 137-6 N Union. All work for a three-story and basement frame building (flats).
Owner—Harvey A. Allen, 334 Pine St., San Francisco.
Architects—J. E. Dunn and P. Paterson Ross, 310 California St., San Francisco.
Contractor—Boxton & Zwieg, 809 Flatiron Bldg., San Francisco.
Filed Mar. 24, '22. Dated Mar. 24, '22
1st and 15th each month.....75%
Usual 35 days.....25%
TOTAL COST, $16,370
Bond, $8200. Sureties, O. M. Hueter and E. C. Hueter. Limit, none. Forfeit, none. Plans and specifications filed.

BUNGALOW
(1205) W CAPITOL AVE 75 N Grafton Ave N 25xW 100 Ptn Lots 1, 2, 3, and 4 Blk 19, Lakeview. All work for four-room bungalow.
Owner—The McCarthy Co., 316 Bush St., San Francisco.
Plans by Contractor.
Contractor—James Arnott & Son, 4165 20th St., San Francisco.
Filed Mar. 24, '22. Dated Feb. 7, '22
30 days after frame up..... 25%
30 days after brown coated.. 25%
30 days after completed and accepted 25%
30 days thereafter..... 25%
TOTAL COST, $2800
Bond, limit, forfeit, none. Plans and specifications filed

FLATS
(1206) E TWENTY-EIGHTH AVE 150 N Clement All work for two-story frame flats.
Owner—C. R. Robb, 757 9th Ave., San Francisco.
Architect—None
Contractor—Meyer Bros., 5326 Geary St., San Francisco
Filed Mar 24, '22. Dated Mar. 15, '22.
Frame up $2312.50
Brown coated 2312.50
Completed 2312.50
Usual 35 days 2312.50
TOTAL COST, $9250.00
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

DWELLING
(1207) W FIFTEENTH AVE 125 N Balboa N 25xW 127-6. All work for one-story and basement frame dwelling.
Owner—J. M. and Alice N. Salazar, 2307 Scott St., San Francisco.
Architect—W. J. Cuthbertson, 2265 Market St., San Francisco.
Contractor—Willis L. Gott, 681 3rd Ave. San Francisco.
Filed Mar. 24, '22. Dated Mar. 22, '22.
Frame up $1600
Brown coated 1600
Completed and accepted..... 1600
Usual 35 days..... 1600
TOTAL COST, $6400
Bond, $3200. Surety, Republic Casualty Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

(1208) NO. 2517 PACIFIC AVENUE. Concrete, brick, carpenter work, etc., for alterations to residence.
Owner—Horace Guittard, 2464 Broadway, San Francisco.
Architect—Smith O'Brien, 742 Market St., San Francisco.
Contractor—Taylor & Jackson, 290 Tehama St., San Francisco.
Filed Mar. 24, '22. Dated Mar. 22, '22
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $6270
Bond, none. Limit, as fast as possible. Forfeit, $10. Plans and specifications filed.

(1209) CLEANING, PAINTING, enameling, etc., on above.
Contractor—F. Kiesel, 575 Fulton St., San Francisco.
Filed Mar. 24, '22. Dated Mar. 22, '22.
Work ½ completed $600
Completed and accepted..... 607
Usual 35 days..... 403
TOTAL COST, $1610
Bond, limit, forfeit, none. Plans and specifications filed.

BUNGALOW
(1210) E TWENTY-THIRD AVE 100 N Anza N 25xE 120. All work for one-story and basement bungalow.
Owner—Alex Davis.
Architect—None.
Contractor—Thos. Hamill, 707 42nd Ave. San Francisco.
Filed Mar. 24, '22. Dated Mar. 23, '22.
Frame up and roof boards on..$1500
Brown coated 1000
Completed 1000
Usual 35 days..... 1000
TOTAL COST, $4500
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS
(1214) E FUNSTON AVE 175 S Lake. Two-story and basement frame (2) flats.
Owner—N. J. Nelson, 1505 Balboa St., San Francisco.
Architect—None.
Day's work. $6000

APARTMENTS, ETC.
(1215) W JONES 115 S Geary. Two-story concrete stores and (2) apartments.
Owner—L. A. Myers, 68 Post St., San Francisco.
Architect—Sam Lightner Hyman, 68 Post St., San Francisco.
Contractor—O. W. Britt, 1257 Arguello Blvd., San Francisco. $10,000

APARTMENTS
(1217) SW TWENTY-THIRD AND Howard. All work except electric wiring, wall beds, finish hardware and electric fixtures and wall paper for three-story frame apartments.
Owner—J. H. Kruse, 23rd and Shotwell Sts., San Francisco.
Architect—J. M. Geary.
Contractor—Joel Johnson, 180 Jessie St., San Francisco.
Filed Mar. 25, '22. Dated ——.
2nd floor joists on.....$ 6,890
Rafters on 6,890
Ready for lathing..... 6,890
Brown coated 6,890
Staanding finish on..... 6,890
Completed 6,893
Usual 35 days..... 13,781
TOTAL COST, $55,124
Bond, none. Limit, 125 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1219) NE CHICO AND MARCELO. Lot 8 Blk 11, Forest Hill. Two-story and basement frame dwelling
Owner—Ray Cohan.
Architect—W. C. Falch, Hearst Bldg., San Francisco.
Contractor—John Morton, 217 Balboa Bldg., San Francisco. $8000

DWELLINGS
(1221) N HEARST AVE 225 and 250 E Hamburg. Two one-story and basement frame dwellings.
Owner—Anders M. Boe, 730 Joost Ave., San Francisco.
Architect—None.
Day's work. $2500 each

RESIDENCE
(1226) S OCEAN AVE. 350 W Victoria. Two-story and basement frame residence.
Owner—C. S. Allred, 159 Liberty St., San Francisco.
Architect—None.
Day's work. $5000

APARTMENTS
(1230) S SACRAMENTO 1137-6 W Laguna. Three-story and basement frame (6) apartments.
Owner—John F. Siebe, % Architect.
Architect — Edward E. Young, 251 Kearny St., San Francisco.
Contractor—M. A. Little, 805 Bush St. San Francisco. $35,000

BUILDING
(1234) S LINE OF TRACT bounded by Ocean Ave.; extension of Faxon Ave.; W by extension of Ashton Ave. to irregular southerly line at average depth of 1100 ft. All work except plumbing, steamfitting, etc., for class C building to be used as gymnasium.
Owner—Pacific Hebrew Orphan Asylum & Home Society, 11 Homewood Ave., San Francisco.
Architect—Alfred H. Jacobs, 110 Sutter St., San Francisco.
Contractor—Ira W. Coburn, 180 Jessie St., San Francisco.
Filed Mar. 27, '22. Dated Mar. 22, '22
Brick work completed.....$6725.00
Roof tiled and plastering and cementing completed 7000.00
Completed and accepted..... 9666.75
Usual 35 days..... 7797.25
TOTAL COST, 31,189
Bond, $31,189. Sureties, C. Sartorio and Chas. Coburn. Limit, Aug. 1, 1922. Forfeit, none. Plans and specifications filed.

(1235) PLUMBING ON ABOVE.
Contractor—Wm. J. Forster Co., 670 Howard St., San Francisco.
Filed Mar. 27, '22. Dated Mar. 22, '22
Work roughed in.....$521.25
Completed and accepted.....1042.50
Usual 35 days..... 521.25
TOTAL COST, $2,085
Bond, $2085. Surety, Royal Indemnity Co. Limit, Aug. 1, 1922. Forfeit, none. Plans and specifications filed.

(1236) STEAM FITTING ON ABOVE.
Contractor—Scott Company, 243 Minna St., San Francisco.
Filed Mar. 27, '22. Dated Mar. 22, '22
Roughed in $495.00
Completed and accepted..... 247.50
Usual 35 days..... 247.50
TOTAL COST, $990
Bond, none. Limit, none. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(1237) SW FORTY-SIXTH AVE. AND Lincoln Way. Alterations and additions to building and shelving in store.
Owner—George Sack, 4501 Lincoln Way, San Francisco.
Architect—Dodge A. Riedy, 805 Pacific Bldg., San Francisco.
Contractor—Mark C. Ingraham, 450 Duboce Ave., San Francisco.
Filed Mar. 27, '22. Dated Mar. 22, '22
Roofing completed $2000
Brown coated 2000
Completed and accepted..... 2489
Usual 35 days..... 2163
TOTAL COST, $8,652
Bond, $4326. Surety, New Amsterdam Casualty Co. Limit, 40 days. Forfeit, none. Plans and specifications filed.

BUILDING
(1238) N NINTH AVE. 75 S Irving S 25xE 95. All work for a one-story frame structure.
Owner—Morris Fox, 110 Sutter St., San Francisco.
Architect—Alfred H. Jacobs, 110 Sutter St., San Francisco.
Contractor—Ira W. Coburn, Hearst Bldg., San Francisco.
Filed Mar. 27, '22. Dated Mar. 27, '22
Payments of 110% of cost on completion 75%
Usual 35 days.....25%
TOTAL COST, 110% of actual cost; total not to exceed $5000.
Bond, none. Limit, 70 days. Forfeit, none Plans and specifications filed.

RESIDENCE
SE ST. FRANCIS BLVD. AND SAN Leandro Way. Two-story and basement frame residence.
Owner—J. M. Ruth, St. Francis Wood, San Francisco.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.
Contractor—Mangels Bros., 4792 Mission St., San Francisco. $7000

APARTMENTS
(1241) E DOLORES 75 S 14th. Two-story and basement frame (8) apartments.
Owner—John Tray, 3574-B 17th St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Day's work. $20,000

APARTMENTS
(1242) NE FRANKLIN AND CHESTnut. Three-story and basement frame (6) apartments.
Owner—David F. and May Capelli, 63 Webster St., San Francisco.
Architect—Jno. J. Foley, 770 5th Ave., San Francisco.
Contractor—S. Ferroni & Son, 1926 Filbert St., San Francisco. $23,000

STORE AND FLAT
(1244) N GEARY 95 E 20th Ave. Two-story and basement frame store and flat.
Owner—Mrs. Annie Quinn, 5520 Geary St., San Francisco.
Architect—None.
Contractor—E. Coleman, 5516 Geary St., San Francisco. $7150

OFFICES
(1245) S MISSION 225 E Second. Two-story and basement reinforced concrete offices.
Owner—A. Aronson, Merchants Exchange Bldg., San Francisco.
Architect—Mel. I. Schwartz, Nevada Bank Bldg., San Francisco.
Contract—Not let yet. $20,000

FLATS
(1249) E TWENTIETH AVE. 150 N Fulton. Two-story and basement frame (2) flats.
Owner—Ragner Monson, 312 Eureka St., San Francisco.

Architect—None.
Day's work. $6000

COTTAGE
(1250) W TWENTY-FIFTH AVE. 250 S Clement. All work for a 3-room cottage.
Owner—S. Graves, 429 25th Ave., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.
Filed Mar. 28, '22. Dated Feb. 17, '22
Frame up $725
Brown coated 725
Complete and accepted 725
Usual 35 days 125
Deed of trust 600
TOTAL COST, $2900
Bond, none. Limit, none. Forfeit, none. Plans and specifications, none.

BUILDING
(1251) SW HOWARD AND HAWthorne. Excavation, concrete work, for building (2-story class C brick structure).
Owner—The San Francisco News Co., 747 Howard St., San Francisco.
Architect—N. W. Sexton, Chronicle Bldg., San Francisco.
Contractor—Atlas Concrete Co., 180 Jessie St., San Francisco.
Filed Mar. 28, '22. Dated Mar. 25, '22
1st and 15th each month.....75%
Usual 35 days.....25%
TOTAL COST, $17,657
Bond, none. Limit, May 6, 1922. Forfeit, none. Plans and specifications filed.

APARTMENT BUILDING
(1252) NW FILBERT AND HYDE N 137-6xW 137-6. Steam heating and oil burning equipment for 6-story steel frame and reinforced concrete apartment building.
Owner—Capo Di Monte (a cptn.), 310 California St., San Francisco.
Architect—T. Paterson Ross, 310 California St., San Francisco.
Contractor—Atlas Heating and Ventilating Co., 72 Freelon St., San Francisco.
Filed Mar. 28, '22. Dated Mar. 23, '22
1st and 15th each month.....75%
Usual 35 days.....25%
TOTAL COST, $10,800
Bond, $5400. Sureties, G. A. Tuck and H. L. Mignew. Limit, 120 days. Forfeit, none. Plans and specifications filed.

(1253) REINFORCED STEEL on above
Contractor—Gunn-Carle & Co., 444 Market St., San Francisco.
Filed Mar. 28, '22. Dated Mar. 23, '22
Payments as above.
TOTAL COST, $13,000
Bond, $6500. Sureties H. B. Sperry and D. H. Botchford Limit, 120 days. Forfeit, $50 day. Plans and specifications filed.

(1254) CARPENTER, MILL, LUMBER, glass, fire escapes, hardwood floors, elevators, etc., on above
Contractor—C. T. Merchant, 180 Jessie St., San Francisco.
Filed Mar. 28, '22. Dated Mar. 23, '22
Payments as above
TOTAL COST, $109,900
Bond, $54,950. Sureties, Thos. E. Shumate and Freda O. Shumate. Limit, 120 days Forfeit, $50. Plans and specifications filed

(1255) LATHING, PLASTERING AND cementing on above
Contractor—A. K. Cowles, Call Bldg., San Francisco
Filed Mar 28, '22. Dated Mar 23, '22
Payments same as above.....
TOTAL COST, $4500
Bond, $22,500. Sureties, J. H. Sample and W. F. Cody. Limit, 120 days. Forfeit, $50 Plans and specifications filed

(1256) GRADING AND CONCRETE work on above.
Contractor — American Concrete Co., Humboldt Bank Bldg., S. F.
Filed Mar. 28, '22. Dated Mar. 25, '22.
Payments same as above.....
TOTAL COST, $76,000
Bond, $38,000. Sureties, Jesse S. Andrews and Anna Pasqualetti. Limit, 175 days. Forfeit, $50. Plans and specifications filed.

(1257) BRICK AND TERRA COTTA tile on above.
Contractor—A. W. Lawson, 180 Jessie St., San Francisco.
Filed Mar. 28, '22. Dated Mar. 23, '22.
Payments same as above.....
TOTAL COST, $35,000
Bond, $17,500 Sureties, C. G. Berg and D. J. Sullivan. Limit, 120 days. Forfeit, $50. Plans and specifications filed.

(1258) PAINTING AND PAPERING on above.
Contractor—H. Maundrell & Co., 180 Jessie St., San Francisco.
Filed Mar. 28, '22. Dated Mar. 23, '22.
Payments same as above.....
TOTAL COST, $23,000
Bond, $11,500. Sureties, J. P. Fraser and S. R. Dannenbaum. Limit, 90 days. Forfeit, $50. Plans and specifications filed.

(1259) STRUCTURAL STEEL AND erecting same on above.
Contractor — Pacific Rolling Mill Co., 17th and Mississippi Sts., S. F.
Filed Mar. 28, '22. Dated Mar. 23, '22.
Payments same as above.....
TOTAL COST, $38,500
Bond, $19,250. Sureties, H. F. Hedrick and Daniel Driscoll. Limit, 120 days. Forfeit, $50. Plans and specifications filed.

FLATS
(1260) NE BALBOA AND TWENTY-sixth Ave. Two-story and basement frame (2) flats.
Owner—S. A. Wood, 53 Presidio Ave., San Francisco.
Designer—J. H. Thorup, 654 21st Ave., San Francisco.
Contractor—J. H. Thorup, 654 21st Ave, San Francisco. $9000

FLATS
(1261) N BALBOA 38-9¾ E 26th Ave. Two-story and basement frame (2) flats.
Owner—S. A Wood, 53 Presidio Ave., San Francisco.
Designer—J. H. Thorup, 654 21st Ave., San Francisco.
Contractor—J. H. Thorup, 654 21st Ave, San Francisco. $9000

FLATS
(1262) N CABRILLO 86 W 8th Ave. Two-story and basement frame (2) flats.
Owner—Anthony Vangoukles, 730 Cabrillo St., San Francisco.
Architect—None.
Contractor—Orrin Knox & Sons, 624 7th Ave., San Francisco. $8500

ALTERATIONS
(1266) NO. 825-31 GOLDEN GATE Ave. Remove portion of present building; raise and remodel for 8 apartments.
Owner—T. Heiske, 710 Golden Gate Ave., San Francisco.
Architect—C. S. McNally, 661 Golden Gate Ave., San Francisco.
Day's work. $5000

DRIVEWAY
(1267) W GUERRERO 240 S 15th. One-story concrete driveway.
Owner—National Ice Cream Co., 371 Guerrero St., San Francisco.
Architect — William Mooser, Nevada Bank Bldg., San Francisco.
Contract not let. $8000

WAREHOUSE & PACKING PLANT
(1268) W GUERRERO 132-2 N 16th. Two-story concrete warehouse and packing plant.
Owner—National Ice Cream Co., 371 Guerrero St., San Francisco.
Architect — William Mooser, Nevada Bank Bldg., San Francisco.
Contract not let. $18,000

APARTMENTS
(1269) NW HYDE AND VALLEJO. Three-story and basement frame (12) apartments.
Owner—Devencenzi Bros., 1071 Union St., San Francisco.
Architect—None.
Day's work. $25,000

RESIDENCES
(1272) S OCEAN AVE. 300 W Victoria. Four 1-story and basement frame residences.
Owner—C. S. Allred, 159 Liberty St., San Francisco.
Architect—None.
Day's work. $4000 each

FRAME FLATS
(1281) W ELEVENTH AVE 255 S Geary. Two-story and basement frame (2) flats.
Owner—J. C. Kirby, 430 20th Ave., S. F.
Architect—None.
Day's work. $5000

FRAME FLATS
(1282) E ELEVENTH AVE 100 N Cabrillo. Two-story and basement frame (2) flats.
Owner—Gustav Peterson, 683 9th Ave., San Francisco.
Architect—None.
Day's work. $7600

APARTMENTS
(1287) E STOCKTON 90 N California. Four-story and basement brick (17) apartments.
Owner—V. Fassio, 517 New Call Bldg San Francisco.
Plans by Owner
Day's work $25,000

RESIDENCE
(1289) E THIRTY-SECOND AVE 204 S California. Two-story and basement frame residence.
Owner—Wm. Breen, 234 32nd Ave., San Francisco.
Architect—J. J. Foley, 770 5th Ave., San Francisco.
Contractor—Thos. Hamill, 6140 Geary St., San Francisco. $7000

SIDEWALK LIGHTS
(1291) W SANSOME 46-10⅞ m or 1 N Sutter N 91-6xW 122-9. All work to install 5 panels of sidewalk lights for two-story Class A bank building.
Owner—Anglo & London Paris National Bank of San Francisco.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—L. H. Price.
Filed Mar. 29, '22. Dated Mar. 10, '22.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $1550
Bond, $775. Surety, Globe Indemnity Co. Limit, as required Forfeit, none. Plans and specifications filed

BUNGALOWS
(1292) E TWENTY-THIRD AVE 175 S Anza and 200 S Anza. All work for two 5-room bungalows.
Owner—George A. Bertram, 498 Clement St., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco
Filed Mar. 29, '22. Dated Mar. 16, '22.
Frame up $2170
Brown coated 2170
Completed 2170
Usual 35 days..... 2170
TOTAL COST, $8680
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(1293) SE CLAY AND BATTERY S 29-10½ E 60 S 29-10½ E 25 N 59-6 W 85. All work except elevator, wiring, painting, plumbing, heating, trimming hardware and shades for alterations and additions to three-story and basement Class C building.
Owner—Harriette De Witt Kittle.
Architect — Nathaniel Blaisdell, 255 California St., San Francisco.
Contractor — E. Elingson, 180 Jessie St., San Francisco.
Filed Mar. 29, '22. Dated Mar. 27, '22.
Ready for cementing of exterior and lathing of interior.....$3000
Plastering done, roof repaired and sash fitted..... 3250
Completed and accepted..... 4027
Usual 35 days..... 3426
TOTAL COST, $13,703
Bond, $6853. Surety, C. B. Sovig and H. J. Hansen. Limit, 90 days. Forfeit, $10. Plans and specifications filed.

METAL WORK
(1294) LAND BDED. BY MISSION, Silver Ave. and Lisbon St. Metal door and window frames, rain leaders, skylights, roof ventilators, etc., for buildings.
Owner—The Hebrew Home for Aged Disabled.
Architect—Samuel L. Hyman, Foxcroft Bldg., San Francisco.
Contractor—Guilfoy Cornice Works, 209 8th St., San Francisco.
Filed Mar. 29, '22. Dated Mar. 27, '22.
Roof flashings, skylights and ventilators set $1665
Completed and accepted..... 532
Usual 35 days..... 532
TOTAL COST, $2129
Bond, $1416.75. Sureties, Maurice L. Rapheld and Ben Levison. Limit, 30 days. Forfeit, none. Plans and specifications filed.

(1295) ROOFING FELT, ASPHALTUM gravel, etc., on above.
Contractor—J. L. Rapheld Roofing Co., Monadnock Bldg., S. F.
Filed Mar. 29, '22. Dated Mar. 27, '22.
Completed and accepted.....$2125.00
Usual 35 days..... 708.50
TOTAL COST, $2833.50
Bond, $1100. Sureties, Jas. Guilfoy and Howard C. Castle. Limit, 15 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
(1296) W CHURCH 101 S Army 25x80. All work for two-story and basement frame (4) apartments.
Owner—Martin H. Bond, 1466 Church St., San Francisco.
Architect—None.
Contractor—Wm. H. Depew, 3710 Sacramento St., San Francisco.
Filed Mar. 29, '22. Dated Feb. 15, '22.
Grading done and forms in....$ 500
1st story joists set..... 500
Rafters in place..... 900
Partitions set 1000
Brown coated 900
Completed and accepted..... 1900
Usual 35 days..... 1900
TOTAL COST, $7600
Bond, none. Limit, without delay. Forfeit, none. Plans and specifications, none.

RESIDENCE
(1297) LOT 3 BLK 16, St. Francis Wood Extension No. 1. All work for one-story and basement frame residence.
Owner—Richard Quedens, 2318 Bryant St., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Oscar Wilson and Andrew J. Benson (as Wilson & Benson), 336 Ashton Ave., San Francisco.
Filed Mar. 29, '22. Dated Mar. 9, '22.
Roof sheathing on.....$2037.50
Brown coated 2337.50
Completed and accepted..... 2037.50
Usual 35 days..... 2037.50
TOTAL COST, $8150.00
Bond, $4075. Sureties, Chas. Monson and Edwin T. Peterson. Limit, 90 days after March 22. Forfeit, none. Plans and specifications filed.

FRAME FLATS
(1299) S FILBERT 34-4¾ W Genoa. Two-story and basement frame (2) flats.
Owner—Agostino Giorgi, 1516 Grant Ave., San Francisco.
Architect—Louis Mastropasqua, 580 Washington St., San Francisco.
Contractor — Fontanelli & Teza, 1682 Eddy St., San Francisco. $6000

FILM EXCHANGE
(1300) E LEAVENWORTH 87-6 S Turk. Two-story and basement Class B reinforced concrete film exchange.
Owner—Louis R. Lurie, Mills Bldg., San Francisco.
Architect—Albert Schroepfer, 1105 Nevada Bank Bldg., San Francisco.
Contractor—Vukicevich & Bagge, 189 Jessie St., San Francisco. $50,000

FRAME FLATS
(1301) E PROSPER 91-6 N 17th. Two story and basement frame (2) flats.
Owner—Robert E. Philipps, 618 Girard St., San Francisco.
Architect—None.
Contractor—J. W. Gillogley, 745 San Jose Ave., San Francisco. $6000

BUILDING
(1302) S EIGHTEENTH 75 E Douglass. All work for a frame building.
Owner—Mrs. Mary McLaughlin, 3992 25th St., San Francisco.
Architect—None.
Contractor—Wm. M. Reedy, 267 Elsworth St., San Francisco.
Filed Mar. 30, '22. Dated Mar. 28, '22
Frame up $1350
Plastered 1350
Completed and accepted..... 1350
Usual 35 days..... 1425
TOTAL COST, $5,475
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications, none.

RESIDENCE
(1503) LOT 14 BLK 2978 Merritt Terrace. All work for two-story and basement frame residence.
Owner—Walter A. Neller, 4018 22nd St., San Francisco.
Architect — Walter C. Falch, Hearst Bldg., San Francisco.
Contractor — Jas. Arnott & Son, 4165 29th St., San Francisco.
Filed Mar. 30, '22. Dated Mar. 23, '22.
Frame up $1655
Brown coated 1655
Completed and accepted 1655
Usual 35 days..... 1655
TOTAL COST, $6620
Bond, $3310. Surety, National Surety Co. Limit, 90 days. Forfeit, $5. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
Mar. 30, 1922—SE FOLSOM AND Hawthorne E 250xS 275. American Railway Express Co to Frederick W Snook Co.....Mar. 15, 1922
Mar. 30, 1922—W TWENTY-Second Ave 300S Geary S 25xW 120. Bertram A Cody to whom it may concern.....Mar. 30, 1922
Mar. 30, 1922—W THIRTY-SEVENTH Ave 30 S Irving S 120 W 120 N 60 E 30 N 60 E 90. Wm F Altvater to Ward C Brown.....Mar. 29, 1922
Mar. 30, 1922—W HYDE 40 S Pine 60x100. A J Falvey and wife Gertrude A Falvey to whom it may concern.....Mar. 29, 1922
Mar. 30, 1922—N STAPLES AVE 210 W Foerster W 30xN 112-6; N Staples Ave 180 W Foerster W 30x N112-6; N Staples Ave 150 W. Foerster W 30xN 112-6. Moneta Investment Co to James Arnott & Son.....Mar. 28, 1922
Mar. 29, 1922—E DOLORES 30-6 N 14th 25x90. Giuseppe and Guistina Re to G San Giacomo..Mar. 28, 1922
Mar. 29, 1922—S O'FARRELL 137-6 E Jones E 22xS 61. Robert Ransohoff to Barrett & Hilp...Mar. 18, 1922
Mar. 29, 1922—SW THIRTY-FIRST Ave and California W 32-6xS 100. Frances Ronicke to Barrett & Hilp .....March 1, 1922
Mar. 29, 1922—E TWENTY-FOURTH Ave 275 N Clement. W B Crowley to Meyer Bros.....Mar. 29, 1922
Mar. 29, 1922—N CHESTNUT 34-6 E Franklin. Virgil A Valente to Emil Nelson.....Mar. 20, 1922
Mar. 29, 1922—E FORTY-FIRST AVE 25 S Cabrillo S 25xE 82-6. J W Wright & Sons Invst Co to whom it may concern.....Mar. 29, 1922
Mar. 28, 1922—S OCEAN AVE 25 E Capitol Ave 25x125. George Kluge to whom it may concern.Mar. 24, '22
Mar. 28, 1922—S HIDALGO TERrace 80 E Dolores 23-3x80; E Fourth Ave 30 S Anza, 43x91. W F Fengelly to whom it may concern .....March 27, 1922
Mar. 28, 1922—LOT 25x120 on E line 12th Ave 275 S Geary. P G Anderson to whom it may concern.. .....March 28, 1922
Mar. 28, 1922—NE TWENTIETH AVE and Clement 32-6x160 m or l. T I Strand to whom it may concern.. .....March 28, 1922
Mar. 28, 1922—N PINE 112-6 E Polk E 100xN 137-6. Ruby Adler to MacDonald & Kahn....Mar. 28, 1922
Mar. 27, 1922—E COLERIDGE 281 S Coso Ave S 21-4xE 122-6. John Devine to Emil Wiander..... .....March 24, 1922
Mar. 27, 1922—E NINETEENTH AVE 175 N Fulton N 25xE 120; E 19th Ave 200 N Fulton N 25xE 120. Bryan Feerick to whom it may concern .....March 25, 1922
Mar. 27, 1922—N GEARY 164 E Van Ness Ave E 55xN 120. Louis R Lurie to whom it may concern... .....March 21, 1922
Mar. 25, 1922—S GROVE 56-3 W Ashbury W 50xS 100. W L Hemminga to whom it may concern.Mar 24, 1922
Mar. 25, 1922—E CAPITOL AVE 250 S De Montford Ave S 100xE 112-6. Oscar W Lind to whom it may concern.....Mar. 24, 1922
Mar. 25, 1922—SW BUSH AND DIvisadero 50 on Divisadero by 103-3 on Bush. Associated Oil Co to Alfred H Vogt.....Mar. 18, 1922
Mar. 24, 1922—W FIFTEENTH AVE 150 S Balboa S 50xW 127-6. Otto W Fitzgerald to whom it may concern.....Mar. 24, 1922
Mar. 24, 1922—S IRVING 32-6 E 11st Ave E 25xS 100. Marie Petersen to W C Petersen..Mar. 24, 1922
Mar. 24, 1922—W HYDE 100 S Pine 37-6x100. D J Claney to whom it may concern.....Mar. 24, 1922
Mar. 24, 1922—S EDDY 123-6 W Polk W 68-9xS 137-6. Humphrey Estates Inc to Jno Morton..... .....March 21, 1922
Mar. 23, 1922—W BUENA VISTA AV 244 N Frederick 50x155-6. H M Schmidt to whom it may concern .....Mar. 22, 1922

LIENS FILED

SAN FRANCISCO COUUTY

Recorded Amount
Mar. 30, 1922—S CLAY 154-3 E Franklin E 32-7xS 127-8¼. Loop Lumber Co vs Aimee Merrill.$1276.08
Mar. 29, 1922—NW DIVISADERO & Grove N 52-6xW 90. United Materials Co vs Owen Ignatius Mc-

Hugh, Adam D Sangster and David Serensky $169.02
Mar. 29, 1922—E TWELFTH AVE 225 N Cabrillo N 25xE 120. A A Zelinsky vs J and Ray Baltor...$612.13
Mar. 29, 1922—E HYDE 112-6 N Pine N 25xE 60. Douglas F Pue vs Frederick R Collins $44.05
Mar. 28, 1922—SW TURK & JONES W 137-6xS 137-6. P Montague vs E McLaughlin Co.....$41

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount
Mar. 29, 1922—W EIGHTEENTH AVE 250 S Balboa S 25xW 120. H Karp & Son to J H and Ethel Clarkson... .....$314.85
Mar. 28, 1922—E FOURTH AVE 85 N Irving N 25xE 95. Louis May to Mathilda and C C Soper.....
Mar 28, 1922—S GILMAN AVE 125 E Hawes E 75xS 100. Jas Tobin to Percy Preble .....
Mar. 27, 1922—N GEARY 165 W Gough W 27-6xN 137-6. R C Williams and J F Wayne (as Wayne & Williams) to W C Vaughan.....

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Mar. 29, 1922—S FEDERAL bet. 1st and 2nd 55 and 57 Federal. Conrad Kissling as to improvements on property .....
Mar. 28, 1922—E JOHNSTON 100 S Geary S 75 E 125 N 37-6 W 21 N 37-6 W 104. J Gollober as to improvements on property.....
Mar. 27, 1922—NW POINT LOBOS Ave 1273.583 SW from W 18th Ave. Emma L Merritt as to improvements on property.....
Mar. 25, 1922—SW GRANT AVE AND Pacific 1063-1067 Grant Ave. Sullivan Estate Co as to improvements on property .....

BOND

SAN FRANCISCO COUNTY

Mar. 30, 1922—SW HOWARD AND Hawthorne. The San Francisco News Co., owner; The Atlas Concrete Co., contractors; Fidelity & Deposit Co. of Maryland, surety. Bond, $8828.50.

ARCHITECT'S CERTIFICATE

Wm Herbert Gebhardt has filed his Certificate of Architecture for San Francisco County.

Albert John Ever has filed his Certificate of Architecture for San Francisco County.

BUILDING CONTRACTS

ALAMEDA COUNTY

$3,500 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
1300	Hunter	Owner	3500
1302	Davidson	Schmidt	5000
1304	Hoyle	Isaacs	3750
1305	Associated	Owner	4000
1306	Robinson	Wicben	400
1308	Hansen	Nickell	3600
1310	Olson	Ventre	5100
1312	Young	Owner	3500
1314	Kurpachoff	Person	401
1315	Burger	Allen	5200
1320	Oakland	Vaughn	218149
1321	Hooker	Hewitt	3650
1322	Pavert	Owner	37[illegible]0
1323	Foreman	Arthur	7000
1326	Pavert	Owner	7950
1327	Pitchlynn	Reese	5000
1328	MacGregor	MacGregor	4500
1329	Ramsey	McDuffie	4000
1330	Nelson	Hudson	21500
1332	Blackman	Sutton	6000
1333	Larson	Owner	3500
1337	Isaacs	Owner	3750
1338	Goranson	Owner	3950
1344	Mutual	Stockholm	6600
1345	Pleitner	Wells	3000
1346	Farnsworth	Owner	4000
1347	Scheile	Broadway	4200
1348	P. G. & E.	Smith	675
1349	S. P. Co.	Hutchinson	——
1351	Rother	Butzke	7500
1352	Louideck	Owner	8000
1354	Baird	Owner	4000
1355	Johnston	Sommarstrom	5000
1357	Koogen	Hewitt	4000
1362	Isaacs	Owner	7500
1365	Nichols	Owner	3500
1366	Roth	Owner	1500
1367	Whalen	Owner	3500
1373	Fabry	Oakley	3600
1374	Arfsten	Owner	3500
1377	Dewell	Makin	908
1379	Gilbert	Hildebrand	7000
1380	Ford	Owner	4750
1381	Appleton	Owner	5000
1382	Fish	Owner	5500
1383	Manseau	Owner	5000
1384	Valentine	Hopper	12460
1385	Wells	Mason	10090
1386	MacLean	Mason	3500
1387	Imragen	Butler	4000
1388	Adams	Johanson	5000
1391	Fischer	Fischer	9900
1392	Weichhart	Owner	3750
1393	Mulks	Mason	4000
1395	Burritt	Owner	7500
1396	Burritt	Owner	7500
1401	Walnut	Lydiksen	4500
1403	Finn	Dolan	7500
1404	Miller	Hart	6500
1406	Berthaud	Owner	5000
1409	Parr	Owner	8000
1410	Page	Owner	10000
1413	Norris	Owner	5000
1414	Church	Orton	4000
1417	Sohncke	Johnson	4000
1419	Porter	Arriss	1260

DWELLING
(1300) NO. 1938 HOPKINS ST., Berkeley. One-story 5-room dwlg.
Owner—S. M. Hunter, 2103 Woolsey St., Berkeley.
Architect—None.
Day's work. $3500

DWELLING
(1302) NO. 2200 McGEE, Berkeley. One-story 5-room dwelling.
Owner—T. H. Davidson, Cor. Vine and Shattuck Ave., Berkeley.
Architect—None.
Contractor — B. H. Schmitd, 2237 E-14th St., Oakland. $5000

DWELLING
(1304) E 16ST AVE 120 N Fleming, Oakland. One-story 5-room dwlg.
Owner—Harry L. Boyle, 2820 Kingsland Ave., Oakland
Architect—None.
Contractor—Harry W Isaacs, 2800 Modesto Ave., Oakland. $3750

ALTERATIONS
(1305) NO 1128 BROADWAY, Oakland. Alterations
Owner—Associated Dental Supply Co
Architect—F. D. Voorhees, 1829 West St., Oakland
Day's work $4000

DWELLING
(1306) W ELSTON 100 S Hampel, Oakland. One story 5-room dwelling.
Owner—R. R. Robinson, Oakland
Architect—None
Contractor—A. C. Wicben, 908 Everett Ave., Oakland. $1000

DWELLING
(1308) W EIGHTH AVE 80 S E 24th Oakland. One-story 5-room dwlg.
Owner—W. T. Hansen, 2504 E-24th St., Oakland.
Architect—None.
Contractor — G. N. Nickell, 1902 85th Ave., Oakland. $3600

FLATS
(1310) NE FORTY-SECOND AVE AND San Carlos Walk, Oakland. Two-story 11-room flats.
Owner — E. Olson, 2303 Buena Vista Ave., Alameda.
Architect—None.
Contractor—Jas. Ventre, 1861 Elm St., Alameda. $5100

DWELLING
(1312) S RAMONA AVE 330 E Piedmont, Oakland. One-story 6-room dwelling.
Owner—Jas. H. Young, 4174 Emerson St., Oakland.
Architect—None.
Day's work $3500

DWELLING
(1314) SIXTY-FIFTH AND HARMON, Oakland. All work for one-story five-room frame dwelling.
Owner—Evan Kurpachaff or Karpachoff, 2513 Virginia St., Berkeley.
Architect—None.
Contractor—Emil Person, 1933 El Dorado St., Berkeley.
Filed Mar. 24, '22. Dated Mar. 24, '22.
Rafters on ..... ¼
Brown coated ..... ¼
Completed ..... ¼
30 days after..... ¼
TOTAL COST, $4015
Bond, limit, forfeit, plans and specifications, none.

ADDITION
(1315) NO. 5269 COLLEGE AVE., Oakland. One-story brick addition to garage.
Owner—Frona W. Burger.
Architect—None.
Contractor—C. J. Allen, 415 Hudson St., Oakland. $5200

SCHOOL
(1320) W THIRTY-FIFTH AVE opp. Galindo St., Oakland. Two-story brick school.
Owner—Oakland School Department.
Architect—None.
Contractor—M. C. Vaughn, 357 12th St., Oakland. $218,149

APARTMENTS
(1321) LOT 1 BLK 2, Map Kinsell Tract No. 2, Oakland. One-story stores and apartments.
Owner—G. A. Kooken, Oakland
Architect—None
Contractor—Clifford L. Hewitt, Oakland.
Filed Mar 25, '22. Dated Mar. 11, '22
Frame up ..... ¼
Sealed in ..... ¼
Plastered ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $3650
Bond, $1825. Surety, Globe Indemnity Co. Limit, 90 days. Forfeit, $10. Plans and specifications filed.

DWELLING
(1322) NO 1727 CEDAR ST., Berkeley One-story 6-room dwelling
Owner—R J Pavert 1st National Bk Bldg., Berkeley
Architect—None
Day's work $3750

DWELLING
(1323) NO. 953 CRAGMONT AVE, Berkeley. Two-story 10-room dwlg.
Owner—Mrs. M. E. Foreman, 617 Arlmo Ave., Oakland
Architect—None
Contractor—Charles E. Arthur, 1532 McGee Ave., Berkeley $7000

DWELLINGS
(1326) NO. 1541 AND 1543 EDITH ST., Berkeley. Two one-story 6-room dwellings

Owner—R. J. Pavert, 1st National Bk. Bldg., Berkeley.
Architect—None.
Day's work. $3975 each

DWELLING
(1327) NO. 1741 MADERA, Berkeley. One-story 5-room dwelling.
Owner—Paul P. Pitchlynn, 949 Fell St., San Francisco.
Architect—None.
Contractor—H. J. O. Reese, Hotel Grail, Berkeley. $5000

DWELLING
(1328) NO. 2460 MARTINEZ AVE., Berkeley. One-story 6-room dwlg.
Owner—M. MacGregor.
Architect—None.
Contractor—C. MacGregor, 470 13th St., Oakland. $4500

DWELLING
(1329) NO. 821 SHATTUCK AVE., Berkeley. One-story 5-room dwelling.
Owner—J. A. Ramsey.
Architect—None.
Contractor—Mason McDuffie, Shattuck and Addison, Berkeley. $4000

APARTMENTS
(1330) N COTTAGE 50 W Warfield Ave., Oakland. Three-story 26-room apartments.
Owner—Sarah M. Nelson, 358 Santa Clara Ave., Oakland.
Architect—None.
Contractor—Geo. Hudson, 2733 Foothill Blvd., Oakland. $21,500

DWELLINGS
(1332) S EAST TWENTY-EIGHTH 32, 64 and 96 W 25th Ave., Oakland. Three 1-story 4-room dwellings.
Owner—E. L. Blackman, 4145 E-14th St., Oakland.
Architect—L. F. Hyde.
Contractor—J. F. Sutton, 4176 Quigley St., Oakland. $2000 each

DWELLING
(1333) SW EIGHTH AVE. AND E-24th St., Oakland. One-story 6-room dwelling.
Owner—B. G. Larson, 2503 12th Ave., Oakland.
Architect—None.
Day's work. $3500

DWELLINGS
(1337) W MODESTO 480 and 520 N Fleming, Oakland. Two 1-story 5-room dwellings.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLING
(1338) S MONTCLAIR 100 W Park Blvd., Oakland. One-story 5-room dwelling.
Owner — H. Goranson, 3476 Laguna Ave., Oakland.
Architect—None.
Day's work. $3950

WAREHOUSE
(1344) E THIRTY-SEVENTH AVE. 117 N E-14th St., Oakland. Two-story brick and tile warehouse.
Owner—Mutual Creamery Co., 3724 E-14th St., Oakland.
Architect—L. F. Hyde.
Contractor—Stockholm & Sons, Monadnock Bldg., San Francisco. $6600

DWELLING
(1346) S WELLINGTON 280 W Park Blvd., Oakland. Two-story 5-room dwelling.
Owner—Dave Farnsworth, 2775 Orange Ave., Oakland.
Architect—None.
Day's work. $4000

DWELLING
(1347) NW DERBY AVE. 70 NE E-12th St. NE 35 NW 123.38, Oakland. One-story 5-room dwelling.
Owner—Robert C. Scheile, 911 36th Ave., Oakland.
Architect—None.
Contractor—Arthur W. Broadway, Oakland.
Filed Mar. 27, '22. Dated Mar. 25, '22
Frame up ..... ¼
Plastered ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $4,200
Bond, none. Limit, 70 days. Forfeit, none. Plans and specifications filed.

GLAZING
(1348) FTN PLOT F Undivided Mountain or Hill Land V & D Peralta. Glazing.
Owner—P. G. & E. Co., Oakland.
Architect—None.
Contractor—P. A. Smith, 160 9th St., Oakland.
Filed Mar. 27, '22. Dated Mar. 23, '22
Completed and accepted.....75%
Usual 35 days.....25%
TOTAL COST, $675
Bond, $340. Surety. Mass. Bonding & Ins. Co. Limit, 20 days. Forfeit, none. Plans and specifications filed.

EXTENSION OF TIME FOR CONTRACT
(1349) STONEHURST. Paving.
Owner—Southern Pacific Co., Oakland.
Architect—None.
Contractor—Hutchinson Co., Hutchinson Bldg., Oakland.
TOTAL COST, $——
Filed Mar. 27, '22. Dated Feb. 15, '22 Bond, none. Limit, 30 days more from date of agreement. Forfeit, none. Plans and specifications filed.

DWELLINGS
(1351) NO. 1036 AND 1034 SIERRA ST., Berkeley. Two one-story 5-room dwellings.
Owner—James E. Rother, 2725 Prince St., Berkeley.
Architect—None.
Contractor—O. H. Butzke, 2108 Center St., Berkeley. $3750 each

DWELLING
(1352) S SAN MATEO ROAD near Indian Rock Ave., Berkeley. Two story 8-room dwelling.
Owner—E. F. Loudeck, 1949 Rose St., Berkeley.
Architect — James W. Plachek, 2011 Shattuck Ave., Berkeley.
Segregated Contracts $800

DWELLING
(1354) N BAY VIEW 150 W Elliott, Oakland. One-story 5-room dwlg.
Owner—Leoroy M. Baird, 1450 Alice St., Oakland.
Architect—None.
Day's work. $4000

DWELLING
(1355) S ELWOOD 75 W Valle Vista, Oakland. One-story 6-room dwlg.
Owner—E. S. Johnston, 2329 Broadway, Oakland.
Architect—None.
Contractor—Axel Sommarstrom, 109 Sunnyside Ave., Piedmont. $5000

STORE & DWELLING
(1357) SW E-FOURTEENTH ST. AND 89th Ave., Oakland. One-story store and dwelling.
Owner—Geo. Koegen, E-14th and 82nd Ave., Oakland
Architect—None.
Contractor—C. L. Hewitt, 8821 E-14th St., Oakland. $4000

DWELLINGS
(1362) S FLEMING AVE 86 and 125 N Madera Ave., Oakland. Two one-story 5-room dwellings.
Owner — Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750 each

DWELLING
(1365) E FIFTH AVE 110 S E-21st St., Oakland. One-story 5-room dwlg.
Owner—C. S. Nichols, 2048 5th Ave., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(1366) W LEACH 250 N Wellington, Oakland. One-story 6-room dwlg.
Owner—L. W. Roth, 11 Yosemite Ave., Oakland.
Architect—None.
Day's work. $4500

DWELLING
(1367) W MANILA AVE 163 S 49th St., Oakland. One-story 5 room dwlg
Owner—Whalen & Carlos, Federal Bldg., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(1373) NE SEMINARY AVE. AND Scenic Way, Oakland. One-story 5-room dwelling.
Owner—L. H. Fabry.
Architect—None.
Contractor—Oakley & Kolmodin, 1911 65th Ave., Oakland. $3600

DWELLING
(1374) E SEMINARY AVE. 500 N Foothill Blvd., Oakland. One-story 6-room dwelling.
Owner—A. E. Arfsten, 2846 61st Ave., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(1377) LOT 28 BLK 10 Map Berkeley Heights, Berkeley. Lathing and plastering for frame dwelling.
Owner—H. D. Dewell, 1400 Scenic St., Berkeley.
Architect—Joseph J. Rankin, First National Bank Bldg., San Francisco.
Contractor—William Makin, 1048 Excelsior St., Oakland.
Filed Mar. 28, '22. Dated Mar. 27, '22
Monthly payments 75%
Usual 35 days 25%
TOTAL COST, $908
Bond, none. Limit, none. Forfeit, none. Plans and specifications filed.

(1378) PAINTING ON ABOVE.
Contractor—Joseph J. Burdon, 1426 MacDonald Ave., Richmond.
Filed Mar. 28, '22. Dated Mar. 28, '22
Payments as above.
TOTAL COST, $495
Bond, none. Limit, none. Forfeit, none. Plans and specifications filed.

DWELLING
(1379) ARBOR DRIVE, Piedmont. Two-story 8-rooom dwelling.
Owner—C. I. Gilbert, 730 Lake Shore Ave., Oakland.
Architect—None.
Contractor—C. G. Hildebrand, 1700 Fremont Way, Oakland. $7000

DWELLING
(1380) GREENBANK & KINGSTON Aves., Piedmont. One-story 6-room dwelling.
Owner—W. D. Ford, 923 Excelsior Ave., Oakland.
Architect—None.
Day's work. $4750

DWELLING
(1381) NW MONTICELLO AVE., Piedmont. One-story 5-room dwelling and garage.
Owner—W. G. Appleton, 1831 California St., Berkeley.
Architect—None.
Day's work. $5000

DWELLING
(1382) LOT 106 NOVA PIEDMONT Two-story 6-room dwelling.

Owner—L. C. Fish, 1449 3rd Ave., Oakland.
Architect—None.
Day's work. $5500

DWELLING
(1383) OAK ROAD (The Oaks), Piedmont. One-story 6-room dwelling and garage.
Owner—J. J. Manseau, 1949 E-27th St., Oakland.
Architect—None.
Day's work. $5000

DWELLING
(1384) TYSON PROPERTY, Piedmont. Two-story 8-room dwelling.
Owner—J. J. Valentine, 201 Ramona St., Piedmont.
Architect—None.
Contractor—M. E. Hopper & Son, 1117 Webster St., Oakland. $12,400

FLATS
(1385) NO. 1527-29 LA LOMA, Berkeley. Two-story 11-room flats.
Owner—Prof. C. W. Wells.
Architect—R. J. Stringham, S. F.
Contractor—Mason McDuffie Co., Shattuck and Addison St., Berkeley. $10,000

DWELLING
(1386) NO. 1043 SIERRA, Berkeley. One-story 5-room dwelling.
Owner—A. S. MacLean.
Architect—None.
Contractor—Mason McDuffie Co., Shattuck and Addison St., Berkeley. $3500

DWELLING
(1387) NO. 687 DOMINGO, Berkeley Two-story 6-room dwelling.
Owner—L. Van Innagen.
Architect—None.
Contractor—H. S. Butler, 5679 Oakgrove Ave., Oakland. $4000

DWELLING
(1388) NO. 1824 MARIN AVE., Berkeley. One-story 6-room dwelling
Owner—P. A. A. Adams, 2617 Parker St., Berkeley.
Architect—None.
Contractor—Gustaf Johanson, 1357 Northside Ave., Berkeley. $5000

DWELLING
(1391) NO. 1330 BAY ST., Alameda. Two-story 8-room dwelling.
Owner—Annie Fischer, 1469 Central Ave., Alameda.
Architect—Lewis Gardner, 942 Pine St., San Francisco.
Contractor—L. F. Fischer, 180 Jessie St., San Francisco. $9900

DWELLING
(1392) NO. 543 LINCOLN AVE., Alameda. One-story 5-room dwelling
Owner—H. C. Weichhart, 545 Lincoln Ave., Alameda
Architect—None.
Day's work. $3750

DWELLING
(1393) NO. 1161 ALAMEDA, Berkeley. One-story 6-room dwelling.
Owner—Frank Mulks.
Architect—None.
Contractor—Mason McDuffie Co., Shattuck and Addison St., Berkeley. $4000

DWELLINGS
(1395) W BEST AVE. 210 and 250 S Fleming, Oakland. Two 1-story 6-room dwellings.
Owner—Burritt & Shealey, 67 Lincoln Ave., Piedmont.
Architect—None.
Day's work. $3750 each

DWELLINGS
(1396) E BEST AVE. 160 and 200 S Fleming, Oakland. Two 1-story 6-room dwellings.
Owner—Burritt & Shealey, 67 Lincoln Ave., Piedmont.
Architect—None.
Day's work. $3750 each

APARTMENTS
(1400) E ELSTON AVE. 495 S Hampel, Oakland. Two-story 16-room apartments.
Owner—M. A. Wallin.
Architect—None.
Contractor—California Builders Co., 1534 Franklin St., Oakland. $12000

BLACKSMITH SHOP
(1401) NE FORTY-FIRST & MARKET Oakland. Two-story brick blacksmith shop.
Owner—Walnut Grove Creamery Co.
Architect—None.
Contractor—Geo. H. Lydiksen, 180 Jessie St., San Francisco. $4500

FLATS
(1403) S FAIRBANKS AVE. 161 E Walker Ave., Oakland. Two-story 10-room flats.
Owner—D. A. Finn, Syndicate Bldg., Oakland.
Architect—None.
Contractor—Leo J. Dolan, Syndicate Bldg., Oakland. $7500

FLATS
(1404) E LAWTON AVE. 50 N Cavour, Oakland. Two-story 10-room flats.
Owner—G. W. Miller, 5599 Lawton Ave., Oakland.
Architect—None.
Contractor—D. E. Hart, 1033 60th St., Oakland. $6500

DWELLING
LOT 109 CROCKER TRACT, Piedmont. Two-story 8-room dwelling.
Owner—Mrs. W. G. Henshaw, 1143 6th Ave., Oakland.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.
Contractor—M. E. Hopper & Son, 1117 Webster St., Oakland. $20,000

DWELLING
(1406) NO. 706 ALAMEDA, Berkeley One-story 5-room dwelling.
Owner—F. C. Bertheaud, 1139 Cornell St., Berkeley.
Architect—None.
Day's work. $5000

FLATS
(1409) NE STUART AND REGENT, Berkeley. Two-story 18-room flats.
Owner—S. C. Parr, 856 Arlington St., Berkeley.
Day's work. $8000

DWELLINGS
(1410) S BROADWAY TERRACE 962 and 1000 E Broadway, Oakland. Two one-story 5-room dwelling.
Owner—M. Page, 2060 55th Ave., Oakland.
Architect—None.
Day's work. $5000 each

DWELLINGS
(1413) E EIGHTH AVE 38 and 69 S E-21st St., Oakland. Two one-story 4-room dwelling.
Owner—Justus Norris, 3722 Grove St., Oakland.
Architect—None
Day's work. $2500 each

DWELLING
(1414) N FOOTHILL BLVD. 250 E 51st Ave., Oakland. One-story 5-room dwelling
Owner—Mrs. Church
Architect—None
Contractor—A. E. Orton, 3330 68th Ave. Oakland $4000

DWELLING
(1417) E SIXTIETH AVE 80 S Scenic Way, Oakland One-story 6-room dwelling
Owner—Mrs. M. A. Schnecke 1511 Myrtle St., Oakland
Architect—None.
Contractor—O. R. Johnson, 3131 Talbot Ave., Oakland. $4000

EXCAVATION
(1419) S FIFTEENTH 75 W Franklin W 25 S 84-3, Oakland. Excavation for building.
Owner—F. F. Porter, 1421 Broadway, Oakland.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—Arriss-Knapp Co., 1047 38th St., Oakland.
Filed Mar. 30, '22. Dated Mar. 30, '22
Excavated to basement floor level 75%
Trench work completed.....75%
Usual 35 days 25%
TOTAL COST, $1,260
Bond, none. Limit, 10 days. Forfeit, none. Plans only filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted

Mar. 29, 1922—LOT 27 BLK 697, Map Casserly Tract, Oakland. Antonio Gazzanco to Harry Wessal.....Mar. 25, 1922

Mar. 29, 1922—NO. 3737 EMERSON St., Oakland. W H Alt to whom it may concern.....Mar. 25, 1922

Mar. 30, 1922—PTN BLK 7, Hayward Acres. ——. William L Allen to J J Thorup.....Mar. 29, 1922

Mar. 30, 1922—PTN LOT 15, all Lot 16 Map Showing Subdivisions Lots 12, 13, 29 and 30 of Kingsland Tct, Oakland. P D Cunningham to J D Fennelly.....Mar. 29, 1922

Mar. 29, 1922—NO. 715 HILGIRT Circle, Oakland. S H McCaslin to whom it may concern..Mar. 28, 1922

Mar. 29, 1922—N LAYFETTE AVE 547-6 W Crocker Ave, Piedmont. Miriam H Dexter to H M Frostnolm.....Mar. 25, 1922

Mar. 29, 1922—SIXTEENTH STREET Station, Oakland. Southern Pacific Co to Hutchinson Co...Mar. 22, 1922

Mar. 28, 1922—LOT 12 BLK 7, Fourth Avenue Heights Tract, Oakland. Miriam E and James W Pratt to H S Pratt.....Mar. 15, 1922

Mar. 28, 1922—LOTS 26, 27, 28 AND 31, Blk "J" Broadway Terrace, Oakland. Allan H Waas to Geo W Nunes.....Mar. 29, 1922

Mar. 27, 1922—E VALLE VISTA 50 N Elwood N 55 E 112 S 76 W 108 Oakland. Mattie H Kozlowski to Hauri & Wierk.....Jan. 4, 1922

Mar. 27, 1922—NO. 5701 BROOKDALE Ave., Oakland. Julia G Sellman to whom it may concern..Jan. 15, 1922

Mar. 27, 1922—LOT 2 BLK 13, Map Thousand Oaks, Berkeley. O E Helno to whom it may concern.....March 24, 1922

Mar. 27, 1922—NO. 2800 FIFTY-Fifth Ave Oakland. Ernest and Mabel Minuth to F W Thaxter.....March 22, 1922

Mar. 25, 1922—LOT 8 BLK "J" Map Fourth Avenue Terrace, Oakland Mrs. K L Lemmon to whom it may concern.....Mar. 24, 1922

Mar. 25, 1922—LOT 10 BLK "J" Map Fourth Avenue Terrace, Oakland. Mrs. K L Lemmon to whom it may concern.....Mar. 24, 1922

Mar. 24, 1922—THIRTEENTH AND Broadway, Okd Southern Pacific Co to O N Oathud and J L Johnson.....Mar. 23, 1922

Mar. 24, 1922—COMMISSARY BLDG., West Oakland Southern Pacific Co to J Mowat.....Mar. 24, 1922

Mar. 24, 1922—E 15 OF W 90 OF S 100 Lot 9 Blk 1-1848, Map Kearney Tct, Berkeley W G McKean by M G Kendell to California Builders Co Mar. 24, 1922

Mar. 24, 1922—LOTS 92 AND 93 Oakland Prospect Homestead, Oakland D L and Rosamond S Hilson to Carl Doell.....Mar. 23, 1922

LIENS FILED

ALAMEDA COUNTY

Recorded Amount

Mar. 30, 1922—LOT 38 BLK 2 Map Fourth Avenue Heights, Oakland. H Aronson vs A T Hendricks, W C and Lela Gardner.....$88.11

Mar. 29, 1922—LOT 9 BLK 'D" Oakland Heights Tract, Oakland. E K Wood Lumber Co, $683.61; Uhl Bros, $73.63; Strable Hardwood Co, $110 vs L A Booker & W H Kelley

Mar. 29, 1922—LOT 38 BLK 2, Map Fourth Avenue Heights, Oakland. Al M Fearey (Al M Fearey Co) vs A T Hendricks and Lela Gardner. $145.49

Mar. 29, 1922—S SEVENTH 50 W Campbell W 25xS 100.7½, Oakland. Hogan Lumber & Mill Co vs Harry Wessel and K M Jurjevitch..... .....$1242.87

Mar. 29, 1922—SE FOURTH AND Market E 96.34 S 25 W 91.76 N 25.41, Oakland. Hogan Lumber & Mill Co vs Harry Wessel and G Annuzzio $410.91

Mar. 29, 1922—E WILOW 100 N Ninth N 49-4xE 60, Alameda. O S Prince, J J Hannaberry, and E C Rosenheim vs D C and Cornelia Richardson and L R Williams..$55.50

Mar. 29, 1922—LOT 39 BLK 2, Map Fourth Avenue Heights, Oakland. Al M Fearey (Al M Fearey Co) vs A T Hendricks and Myrtle Harmon $176

Mar. 25, 1922—SW SANTA CLARA Ave and Park Ave S 166.76 W 118 N 45 W 140 N 120.19 E 175.6 S 130 E 55 N 130 E 27.5, Alameda. S Kulchar (S Kulchar & Co) vs L M Pates, Tucker Investment Co and Minnie E Tucker.....$851.95

Mar. 24, 1922—LOT 28 BLK C Map 4th Ave Terrace, Oakland. Chris Nelson Co vs J H Green & Co, G P Guyot, A T Hendricks.....$126.55

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount

Mar. 27, 1922—LOT 39 BLK 2, Map Fourth Ave Heights, Oakland. John P Maxwell (Maxwell Hardware Co) to Myrtle Harmon and A T Hendricks $43.78

Mar. 24, 1922—LOTS 13 AND 14 AND E½ Lot 15 Blk 'B" Map No. 3, Resubdivision Ptn Hopkins Terrace, Berkeley. Thomas H Mullen to M Ucovich and E W Heacock....$783.26

Mar. 23, 1922—LOT 29 BLK 17 Map Lakeshore Highlands, Oakland. C. L Adams, $1,040; Spott Elec Co, $79.30; L. W. Blake, $229.20; Powell Bros Inc, $128.50; National Roofing Co to Fred N Strang and O Newlander $128.50

HOMESTEADS

ALAMEDA COUNTY

Mar. 30, 1922—N ATHENS AVE 100 W San Pablo Ave W 35xN 92, Okd. Alice Ohme (wf Charles).....$4000

Mar. 28, 1922—LOT 3 BLK "P" Map Fourth Avenue Terrace, Oakland. Anna K Caldwell (wf K D)....$4200

Mar. 28, 1922—S MARIN AVE 40 E Kains Ave E 35xS 100. Albany. Nellie Wardell Tiffany (wf Henry Owen) $3000

Mar. 27, 1922—LOTS 1 AND 2 BLK "F" Map Fruitvale Terminal Tct, Oakland. Mary E Landi (wf Edward) $2500

Mar. 27, 1922—SE FORTIETH AVE 295 NE E-14th NE 35xSE 110, Oakland. Anna Maharitch $4500

Mar. 24, 1922—E JOSEPHINE 240 N Rose N 40 E 135, Berkeley. Robert F Lynn $5000

Mar. 24, 1922—NW EIGHTH AVE 100 SW E-19th SW 50 NW 150; and NW 8th Ave 130 NE E-18th NE 20 NW 118, Oakland. Emily Purdy (wf Edward L) $5000

BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 and Over Reported

FLATS
NO. 617 TWENTY-FOURTH ST., Sacramento. Two-story 4-flat building and garage.
Owner — George James, 619 24th St., Sacramento
Architect—None.
Contractor—W. C. Keating, Sacramento $12,000

FLATS
NO 2822 J ST., Sacramento Two-story 4-flat building.
Owner—Mr. and Mrs. T. M. Chamberlain, 727 8th St., Sacramento.
Architect—None.
Contractor—J. T. Randall, 1055 41st St., Sacramento. $12,255

DWELLING
NO. 1314 FORTY-FOURTH ST., Sacramento. Two-story 8-room dwelling and garage.
Owner—Henry Barton, 1922 21st St., Sacramento.
Architect—None.
Contractor—W. C. Keating, Capitol National Bank Bldg., Sacramento $8000

WAREHOUSE
NO. 1804 FIFTEENTH ST., Sacramento. Warehouse.
Owner—A. Simi, Premises.
Architect—None.
Day's work. $3000

WHAREHOUSE
NO. 1109 R ST., Sacramento. One-story warehouse.
Owner—Mrs E. E Keating, 1751 11th St., Sacramento.
Architect—None.
Contractor—W. C. Keating, Sacramento $8000

DWELLING
NO. 3316 THIRD AVE., Sacramento. One-story 5-room dwelling and garage.
Owner—Chester E. King, 3334 3rd Ave., Sacramento.
Architect—None.
Day's work. $4000

DWELLING
NO. 2324 Q ST., Sacramento. One-story 6-room dwelling.
Owner—E. A. Court, Hall of Justice, Sacramento.
Architect—None.
Contractor—John T. Hunt, 3781 6th Ave., Sacramento. $3000

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DWELLING AND GARAGE
NO 3981 SECOND AVE., Sacramento. One-story 6-room dwelling and garage.
Owner—G. F. Wright, 2710 J St., Sacramento.
Architect—None.
Day's work. $3923

COMPLETION NOTICES

SACRAMENTO COUNTY.

Recorded Accepted

Mar. 28, 1922—N ½ OF S ½ OF 163.43 feet, W 92 ft. of E ½ Lot 6, Oak Grove Tract, Sacramento. I Kubel to whom it may concern. Mar 24, 192_

Mar. 24, 1922—PTN LOT 16, M. J. Dillman Tct Sbdvn 1, Sacramento. Mamie Fernandez to whom it may concern .....Mar. 10, 192_

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount

Mar. 23, 1922—LOT 10 BLK 28, North Sacramento Heights, Sacramento. E S Carpenter, under name of Western Lumber Co vs J R Bonds and Brook Farms .....$—

Notice of Non-Responsibility

SACRAMENTO COUNTY

Mar. 25, 1922—LOTS 7, 17 19 AND 20 Blk 5, Del Paso Heights, Sacramento. C M Goethe as to improvements on property.....

BUILDING CONTRACTS

FRESNO COUNTY

$5,000 and Over Reported

APARTMENTS, ETC.
NO. 381 FRESNO AVE., Fresno. Store and apartment house.
Owner—S. S. Mayramjanian, Fresno.
Architect—None.
Contractor — Prichard Bros., Rowell Bldg., Fresno. $13,000

DWELLING
NO. 675 WELDON AVE., Fresno. Dwlg.
Owner—Mrs. Taft, Fresno.
Architect—None.
Contractor—Shorb & Neads, 627 McKinley Ave., Fresno. $6500

RESIDENCE
NO. 2820 MARIPOSA ST., Fresno. Residence.
Owner—St. John's Church, Mariposa and R Sts., Fresno.
Architect—None.
Contractor—Julius C. Fabel, Fresno. $50,000

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted

Mar. 28, 1922—LOT 12 W ½ Lot 11 Blk 4, Blackstone Park, Fresno. P Caiazza to whom it may concern .....Mar. 27, 1922

Mar. 28, 1922—LOT 6 (except E 12½ ft.) Blk 11, Kleinhurst, Fresno. Peter A Wolff and Walter B Berton to whom it may concern..Mar. 27, '22

Mar. 25, 1922—LOT 2 W 9¾ ft. of lot 1 blk 3, Blackstone Park, Fresno. W B Berton and P A Wolf to whom it may concern.... .....Mar. 17, 1922

Mar. 25, 1922—LOTS 41 AND 42 BLK 29 Belmont Add, Fresno. A M Hamlin to whom it may concern .....Mar. 24, 1922

Mar. 23, 1922—LOTS 25 AND 26 BLK 4, Washington Heights, Fresno.

Elmer C Griffith to whom it may concern.....Mar. 22, 192
Mar. 22, 1922—LOTS 8 AND 9 BLK 4, Leona Heights, Fresno. John E Cooksey to whom it may concern.. .....Mar. 22, 1922
Mar. 23, 1922—N ½ SE ¼ NE ¼ S ½ S ½ NE ¼ NE ¼ Sec 27, 14-21, Fresno. Z Najarian to whom it may concern.....Mar. 22, 1922
Mar. 23, 1922—LOTS 11, 12, 15 and 16 Elk 40 K. B. Heights, Fresno. Fresno Bldg Cptn to whom it may concern.....Mar. 22, 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount
Mar. 25, 1922—E ½ LOT 35, Normal Vista Tract, Fresno. Binghamwenks Planing Mill Co vs R C, Theodore and Ena L Field.....$791
Mar. 25, 1922—PTNS SEC 27, 14-21, Fresno. Madary's Planing Mill, $1314; T A Osborne, $221; Swastika Lumber Co, $1075; Victor J Cox, vs Karl Kazanjian, S Hovseplan and V Najarian $235
Mar. 23, 1922—LOTS 19 AND 20 BLK 99, Fresno. L Rosenberg vs Mrs. F Vartanian $135
Mar. 23, 1922—LOTS 6 AND 7 BLK 17, College Park, Fresno. L Rosenberg vs Bank & Trust Co. of C. C.; Howard N Foss and M H Hays..$132

BUILDING CONTRACTS

SANTA CLARA COUNTY

$1,000 and Over Reported

RESIDENCE
LOT 10, San Juan Sub-division No. 2. Campus Leland Stanford Junior University. All work except plumbing for two-story residence.
Owner—Professor Robert E. Swain. **Stanford University, Palo Alto.**
Architect — Birge M. Clark, Stanford University, Palo Alto.
Contractor—M. F. W. Fox, Palo Alto.
Filed Mar. 24, '22. Dated Mar. 14, '22.
As work progresses..... 75%
Usual 35 days.....Balance
TOTAL COST, $11,675
Bond, $5840. Sureties, William S. Bigler and William P. Gray. Limit, 100 working days from March 14, 1922 Forfeit, none. Plans and specifications filed.

PLUMBING ON ABOVE.
Contractor—Frederick W. Snook & Co., **596 Clay St., San Francisco.**
Filed Mar. 24, '22. Dated Mar. 14, '22
Roughing in completed.....$400
Fixtures in, plumbing accepted. 410
Usual 35 days..... 272
TOTAL COST, $1082
Bond, $550. Sureties, Joseph S. Staudinger and Everett T. Grimes. Limit, —. Forfeit, none. Plans and specifications filed.

COTTAGES
COE AVE., near Bird St., San Jose. Two 5-room cottages.
Owner—Louis Scaglione, Premises.
Architect—None.
Day's work $3500 each

BUNGALOW
MOUNTAIN VIEW, CAL. All work for bungalow.
Owner—Dr C. F. McCarthy.
Architect—Arthur G. Scholz, 839 Phelan Bldg., San Francisco.
Contractor—D. W. Hoff.
Filed Mar. 25, '22. Dated Mar. 22, '22.
Frame up ready for roofing. $1118.25
Brown coat plaster on..... 1118.25
Completed and accepted..... 1118.25
Usual 35 days..... 1118.25
TOTAL COST, $1473.00
Bond, none. Limit, 80 working days from March 22, 1922. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Mar. 25, 1922—PALO ALTO. Clifford Q Giffin and Beatrice M Giffin to George B Moore.....Feb. 23, 1922
Mar. 28, 1922—SAN JOSE. G B Hall to whom it may concern.Mar. 24, '22
Mar. 23, 1922—LOT 7, Sycamore Tract No. 2, San Jose. Leland A Calice to A K Burkett.....Mar. 23, 1922
Mar. 23, 1922—LOT 12 BLK 1, Keiser Tract, being Sbdvn Lots 7 and 12 of the Sunol Partition, Santa Clara. Gio Batta Ghio to John Gaiotto... .....March 13, 1922

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
Mar. 25, 1922—SANTA CLARA. G R Martin vs Jos Vierra.....$40

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded Amount
Mar. 23, 1922—CITY OF SAN JOSE. Raisch Improvement Co to G Marotta $206.25

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

$5,000 and Over Reported

RESIDENCE
W VINE ST., Stockton. Residence and garage.
Owner—L. Prindle, Stockton.
Architect—None.
Day's work. $5000

RESIDENCE
N-TUXEDO ST., Stockton. Residence.
Owner—Frederick F. Sayers, Stockton.
Architect—None.
Day's work. $5000

ALTERATIONS
E-MAIN ST., Stockton. Remodel and erect new 5-story store building.
Owner—M. Levy & Bros., 202 E-Main St., Stockton.
Architect—None.
Day's work. $75,000

RESIDENCE
E-MARKET ST., Stockton. Two-story residence and garage.
Owner—Jos. Brannon, 747 E-Main St., Stockton.
Architect—None.
Day's work. $3800

BUILDING CONTRACTS

SAN MATEO COUNTY

STORE AND BANK
SE COR. MAIN ST. AND KELLY AVE., Halfmoon Bay. All work for one-story brick store and bank bldg
Owner—Horace Nelson, Halfmoon Bay
Architect—E. A. Larson, Haufmoon Bay Associated with Herman Safe Co., San Francisco.
Contractor—Ward & Jones, 180 Jessie St., San Francisco.
Filed Mar. 21, '22. Dated Mar. 20, '22.
Brick work completed..... 25%
1st coat plaster completed.... 25%
Completed 25%
Usual 35 days..... 25%
TOTAL COST, $12,500
Bond, none. Limit, ready for bank fixtures June 3, 1922. Forfeit, none. Plans and specifications filed.

STEAM BOILER
LOTS 1 AND 2 Quilata Tract near Atherton. All work for new steam boiler and oil fuel equipment for residence.
Owner—R. S. Moore.
Architect—Thos. Morrin, Phelan Bldg., San Francisco.
Contractor—Knittle Cashel Co., 224 5th St., San Francisco.
Filed Mar. 23, '22. Dated Mar. 22, '22.
Material delivered $1746.22
Completed 873.11
Usual 35 days.....Balance
TOTAL COST, $3486.43
Bond, $1750. Surety, National Surety Co. of New York. Limit, 90 working days. Forfeit, none. Plans and specifications, none.

BUNGALOW
COR. LOT LAGUNA AND CARMALETA Aves., Burlingame. All work for one-story bungalow.
Owner—Mrs. Minnie Mayer.
Architect—E. Jenes.
Contractor — W. R. Thompson, 416 **Bayswater St., Burlingame.**
Filed Mar. 24, '22. Dated Mar. 10, '22.
Frame up $1335
Brown coated 1335
3rd payment 1335
TOTAL COST, $5340
Bond, limit, forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Mar. 28, 1922—LOT 1 BLK "R" Hayward Park, San Mateo. J M and M C Bivis to whom it may concern.....March 27, 1922
Mar. 28, 1922—PTN LOT "D" BLK 5 Map No. 2, Burlingame Land Co., Burlingame. Allen I Boyce and Ruth C Boyen to whom it may concern.....March 28, 1922
Mar. 24, 1922—LOT 7 BLK 8, Sub No. —, Burlingame Park, Burlingame. Ollie Lautis to John R Lindsay.....Mar. 17, 1922
Mar. 25, 1922—LOT 18 BLK 25, Lyon & Hoag Sbdvn, Burlingame. W R Thompson to whom it may concern .....Mar. 20, 1922

BUILDING CONTRACTS

CONTRA COSTA COUNTY

ALTERATIONS
W-TWELFTH ST., bet. Bissell and Chanslor Sts., Richmond. Remodel one and one-half-story frame dwlg.
Owner—Fred Watson, 131 12th St., Richmond
Architect—None.
Contractor—A. J. Fagestrom, 117 12th St., Richmond. $2000

DWELLING
NE SEVEENTEENTH & CHANSLOR Sts., Richmond One-story frame dwelling
Owner—I. F. Shults, 526 Chanslor St., Richmond.
Architect—None.
Contractor—A. J. McNamy, 824 7th St., Richmond. $3000

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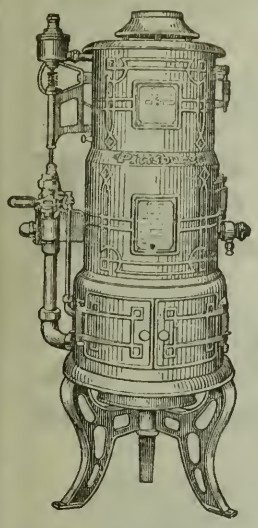

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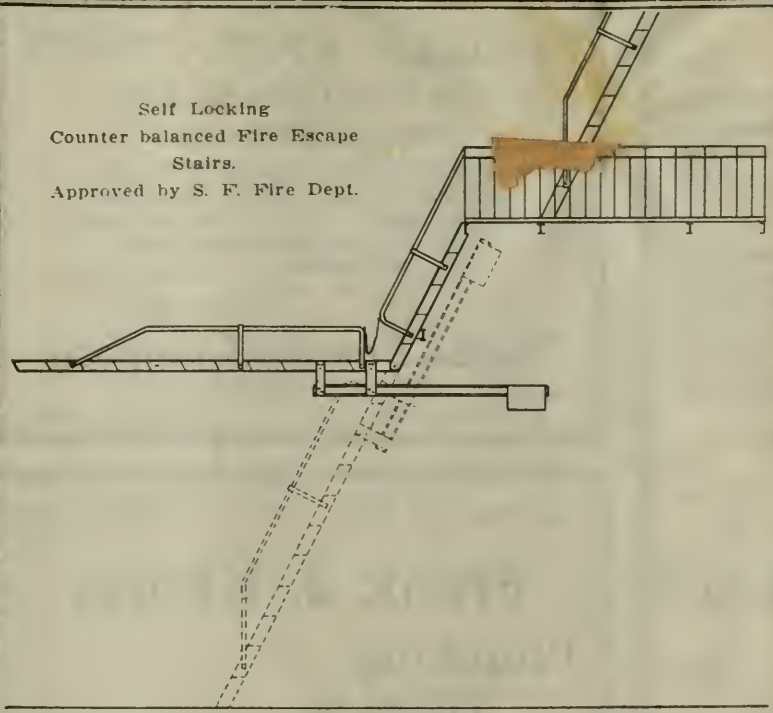

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Twenty-second Year No. 14

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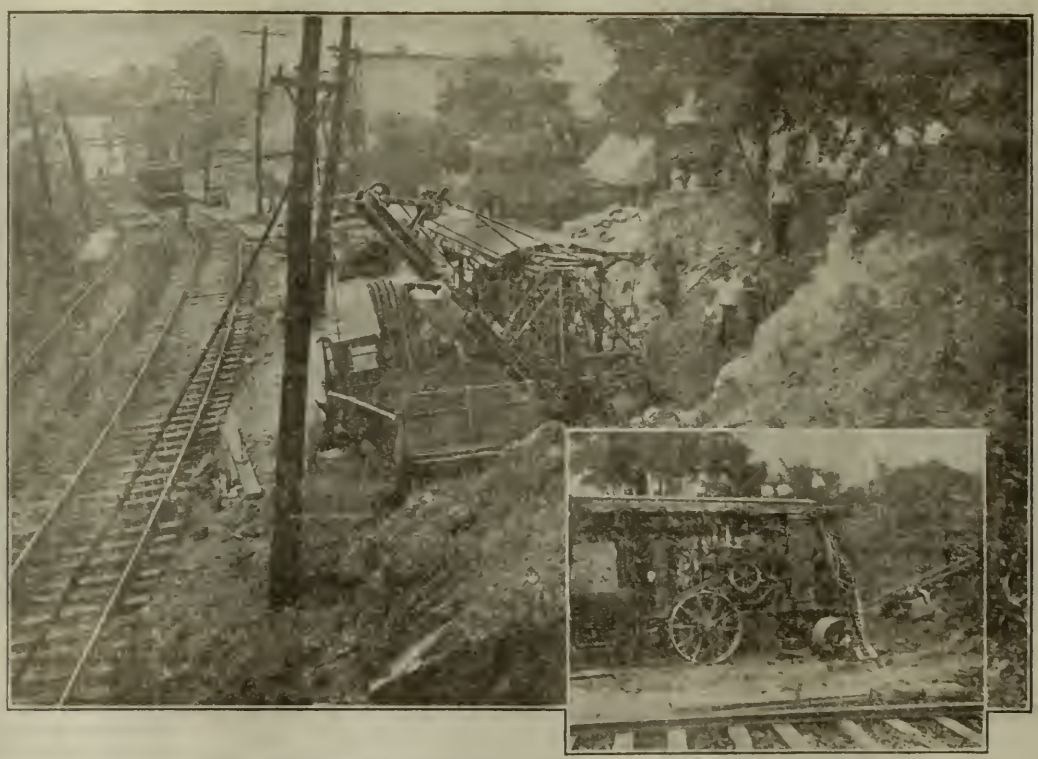

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Issued Every Saturday | SAN FRANCISCO, CALIF., APRIL 8, 1922 | Twenty-second Year No. 14

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San Francisco, Calif.

MRS. L. A. LARSEN, Publisher

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ESTUARY BRIDGE TO BE BUILT BY ALAMEDA COUNTY

Alameda County will go ahead with the construction of an Oakland-Alameda bridge across the estuary regardless of whether the Southern Pacific Company shares the expense of the construction, William J. Hamilton, chairman of the Board of Supervisors, declared at a joint meeting of the harbor committee, the Board of Supervisors and Oakland and Alameda City officials at Hotel Oakland.

The end of a three-year controversy between the county and the Southern Pacific is in sight. If the railroad wishes to use the bridge for its trains the cost of the bridge will be about $2,000,000, while if they decide against this the structure can be built by the county for $1,300,000, said Hamilton.

The county already has voted the issuance of $900,000 worth of bonds for the bridge. Should the Southern Pacific refuse to help the county the remaining 400,000 necessary to construct the bridge would be raised through a tax levy extending over two or three years, according to present plans.

NEW LOGGING FIRM BUYS 100,000,000 FEET OF TIMBER

Purchase by the newly formed Security Logging Co. of 100,000,000 feet of cedar and Douglas fir timber in the Snoqualmie Valley from the C. D. Stimson Co., F. S. Stimson Co., Merrill & Ring Lumber Co., all of Seattle, and the Hewitt Land Co. of Tacoma, is announced at Seattle, Wash. According to present plans of the purchasers a logging railroad will be built into the timber body preparatory to cutting. Joseph Irving of Everett, president of the Sultan Timber & Railway Co., and one of the owners of the Monroe Logging Co., is president of the new company, of which the other incorporators and officers are Joseph Kohauts, vice-president, and Petrus Pearson, secretary-treasurer, both of Seattle.

NEW WORKING RULES FOR BRICKLAYERS, MASONS AND PLASTERERS

New working rules for approximately 119,000 members of the Bricklayers, Masons and Plasterers' International Union of America are established by a consent decree drawn up and signed in Washington on Feb. 24th. The decree followed a conference with Attorney General Daugherty with the leaders of the union. It will be entered in the United States Court in New York. The work of preparing a decree that would be accepted by more than 50 representatives of the various locals throughout the United States and by the government followed research and inquiry on the part of the federal officials for nearly four months. The decree provides in brief:

There is to be no limit to the productive capacity of the individual workman within the working day or any other time.

There is to be no limit upon the right of the employers to purchase their material wherever and whenever and from whomever they may choose, whether these materials be union made or otherwise.

There is to be no favortism shown by organized labor toward employer or trade associations and no discriminations are to be indulged in against the independent employer who may not be a member of such an organization.

The labor organization is not to be used, or permit itself to be used, by material men or contractors or subcontractors as an instrument for the collection of debts or enforcement of alleged claims.

DOWNING, ELECTRICAL ENGINEER, GETS INDUSTRIAL APPOINTMENT

Paul M. Downing, vice-president of the Pacific Gas & Electric Company, in charge of electrical construction and operations, has been appointed chairman of the industrial committee of the San Francisco Chamber of Commerce.

The industrial committee is the body chosen from the membership of the chamber to give general direction in carrying out the work laid down in Dr. B. M. Rastall's San Francisco program.

Downing has a national reputation as an engineer, and only recently, at the request of Herbert Hoover, Secretary of Commerce, made a report for the government upon Muscle Shoals, to be used in connection with the sale of that property. All electrical construction and maintenance, the operation of all hydro-electric and steam power houses, transmission lines, the street railway system in Sacramento, and all water systems of the Pacific Gas & Electric Company are under the direction of Mr. Downing.

Serving on the industrial committee with Mr. Downing are Wigginton E. Creed, C. H. Bentley, Wallace M. Alexander, George C. Boardman, Frank E. Booth, Louis Bloch, Marshall Dill, Milton Esberg, R. J. Hanna, Frederick J. Koster, Mortimer Fleishhacker, Atholl McBean, J. B. Levison, Leon G. Levy, C. K. McIntosh, S. B. McNear, Frederick H. Meyer, Walton N. Moore, S. F. B. Morse, George Rolph, B. F. Schlesinger, Paul Shoup and Eli H. Wiel.

FIRE RATES IN LOS ANGELES ARE REDUCED

The Los Angeles Fire Underwriters Bureau, through its secretary, R. W. Mohrhardt, announces a material reduction on the fire rates on all frame dwellings, double dwellings, flats and apartments in the city of Los Angeles.

A resolution adopted March 23 by the Executive Committee of the Board of Fire Underwriters of the Pacific follows:

"RESOLVED, That an annual tariff rate be promulgated of 35c, or 70c for three years, on all frame dwellings, double dwellings, flats and apartments not exceeding four apartments each, omitting charge for exposures under Class No. 1 in the table of exposures of the Los Angeles tariff book of rates.

Further, that the following tariff rates of 25c annual, or 50c for three years, be quoted on the above named classes during course of construction, omitting charge for exposures under Class No. 1 in the table of exposures of the Los Angeles tariff book of rates such reductions applicable only to risks located within the Metropolitan District of Los Angeles.

Changes in rates, which may be made, such as that hereby published, would prove enormous to conmpanies and agents, if they made necessary a general return on premium on policies in force. Notice is therefor given that no reductions in rate on the classes named shall apply to a policy issued prior to February 1, 1922."

TO APPOINT DELEGATES TO COMMERCIAL ENGINEERING CONFERENCE

Invitations are being mailed from Washington by the United States Commissioner of Education for appointment of delegates to the second public conference on Commercial Engineering to be held at the Carnegie Institute of Technology, Pittsburgh, May 1 and 2. Invitations have been sent to colleges and universities having departments of engineering and commerce, to banking, commercial and industrial corporations, engineering societies and to trade and commercial organizations throughout the United States, on behalf of a committee of prominent business men and deans of engineering and commerce appointed by the Commissioner to investigate business training for engineers and engineering training for students of business. The sessions of the conference, however, are open to the public.

The chairman of the committtee, Dr. Glen Levin Swiggett, announces that a primary purpose of the conference is to promote plans for better co-ordination of the major operations in industry and commerce. Internationally known business men and engineers have been invited to address the conference on major topics relating to the co-ordination of college training with the industrial demand, to civic and social training of the engineer and business man, and to the training of the engineer for management of overseas engineering projects.

NEW MFG. PLANT IN OAKLAND

The Universal Products Co., manufacturers of household articles, will erect a plant in Oakland. The plant will cost about $100,000, and will employ more than 1500 men and women.

The Observer

The Southern Pacific Company has asked for bids on the construction of 2000 single-sheathed, steel super-structure, automobile cars of 50 tons capacity to be used on its Pacific System, according to an announcement made by Geo. McCormick, General Superintendent of Motive Power for the railroad. These cars, which will be of the most modern type of automobile cars, will be equipped with double-swing end doors and staggered side doors having 10 feet clear opening. According to McCormick the Southern Pacific now has 2107 automobile cars in use on its Pacific System and the new order will be the largest ever placed by a western railroad for this class of equipment.

The practices of a small minority in the construction industry are unendurable and must be cleaned up if business and commerce desires protection "from the steady invasion of regulatory hands of the government," Herbert Hoover, Secretary of Commerce, declared in his address before the fifth annual meeting of the National Federation of Construction Industries at Chicago. The secretary said that during the past ten months the department of commerce has given intensive study to the situation in the construction industry, and he made the comment: "This situation must be cleaned up."

The T. L. Smith Company, Milwaukee, Wisconsin, has published a new booklet on paving type concrete mixers. The booklet contains detailed specifications on model 10 E, 14 E and 21 E, together with photographs of Smith Paving Mixers in use in various parts of the country. Special attention is paid to the new full-caterpillar models and the operation of their various features are described and illustrated in detail. Copies of this booklet will be mailed on request.

The Spokane county commissioners (Washington) have decided to undertake a supplemental road construction program to cost approximately $150,000. The county plans to spend about $650,000 on roads this year. Bids received by the commissioners were considerably lower than the estimates, resulting in the $150,000 surplus, now to be used.

O. G. Hughson, former manager of the Portland, Ore., Builders' Exchange, has been made executive secretary of the Associated General Contractors of Portland, with offices in the Multnomah Hotel. This office is entirely separate from that of the Pacific Northwestern Chapter of the Associated General Contractors of America which is maintained in the same city.

Organization of the Washington Wood Products Co., maintaining a plant at 1612 Center St., Tacoma, Wash., has been completed. The company will manufacture moldings, casing, base and finish, and will make a specialty of clear fir products. J. J. Herlihy, formerly with the St. Paul and Tacoma Lumber Co., is secretary-manager of the new concern.

Street car fares in California cities are practically without exception, the lowest in the United States, according to information given out by the Railroad Commission. The information is based on reports gathered from a hundred of the principal railways in the United States for use in the Hollywood rehearing of the Pacific Electric case.

"Zinc as a Paint Pigment," has been put into booklet form. This is the subject of an address by W. Homer Hendricks, general sales engineer of the New Jersey Zinc Co., before the International Association of Master House Painters and Decorators of the United States and Canada, in convention at Kansas City, Missouri.

The "Save the Surface" campaign started by the Golden Gate Paint and Varnish Club, will be held from May 1st to 14th, and will be participated in by seven counties, according to an announcement made by officials of the club. A special meeting will be held April 10th, to discuss details for the campaign.

M. G. Odenheimer and Werner Lehmann, formerly with the Pacific Enameling and Plating Co. of Los Angeles, have opened up the Fresno Enameling Co., at 2131 South Van Ness avenue, Fresno. The firm will specialize in enameling auto parts, filing cabinets and lighting fixtures.

Due to a change in the character of its product from engines for power plant use to steam shovels and cranes, the Ball Engine Co. has changed its name to the Erie Steam Shovel Co. The company practically ceased the manufacture of engines about two years ago.

The Magnolia Packing House Co., has been organized in Tulare County with W. S. Shippey, secretary-treasurer. The company is composed of the leading orange growers in the Magnolia District, and will erect a packing plant along the Santa Fe railroad.

The Southern Pacific Railroad and Pacific Fruit Express Company have completed arrangements to erect a $400,000 ice and loading plant at Bakersfield. The plant is required to meet the demands on increased fruit shipments from the San Joaquin valley.

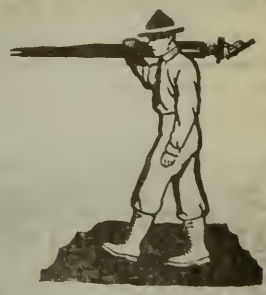
Octavius Morgan, noted architect of Los Angeles, died in that city March 29th. Among the Los Angeles structures designed by Morgan are: I. W. Hellman building, Farmers and Merchants' National Bank, Storey building, Stock Exchange and Van Nuys building.

The Alameda county supervisors have been petitioned to construct a road by Contra Costa and Alameda counties from eastern Oakland and from San Leandro into the Moraga valley.

Hedlund Box and Lumber Co., Spokane, Wash., will construct power house and additional factory buildings at its plant in Stone street. Improvements will cost $75,000.

Building activities in Stockton for the month of March totaled $384,053.

ALONG THE LINE



Arthura P. Denton, engineer formerly in charge of the San Francisco office of the Portland Cement Association has been appointed sales manager of the Pacific Portland Cement Company Consolidated of San Francisco. Denton succeeds F. W. Erlin, secretary and sales manager who has become associated with the Coast Rock & Gravel Company.

A comprehensive program for the resurfacing of all water-bound macadam streets of Sacramento has been worked out by City Engineer Albert Givan, who intends to place the matter before property owners in resolutions of intention to be submitted to the City Council.

City Trustees of Tracy are planning to improve Fourth, Sixth and Eleventh streets at a cost of $147,499. The work will consist of paving, curbing, sewer and water extensions.

G. A. Muessel, for a number of years manager of the Seattle branch of the Truscon Steel Company, is now a member of the sales force of the Belknap Glass Company, Seattle.

The city of Seattle is asking for bids on a $725,000 high school to be erected at 24th avenue and Jefferson streets. The building will provide accommodation for 1350 students.

Lorin Stevens, 80 years of age, nationally known as a steel manufacturer and recently retired, Galesburg, Ill., died at Riverside, Calif., April 1.

The City Trustees of Oroville have adopted a new fire and building ordinance requiring permits for repairs to buildings where the cost exceeds $10.

The American Association of Engineers will hold its eighth annual convention at Salt Lake City, Utah, June 5th to 7th.

The tenth annual convention of the United States Good Roads Association, will be held at Phoenix, Ariz., April 24th to 29th.

The National Ice and Cold Storage Co., has started construction on a 65-ton refrigerating plant in Gerber, Tehama county.

Steps are being taken at Centerville, Alameda county, to call an election to vote bonds of $150,000, to finance construction of a new high school building.

Plant of the Tacoma Fir Lumber Co., East Eleventh and Canal Sts., Tacoma, Wash., suffers fire loss totaling $55,000.

Packing plant of California Peach and Fig Growers' Association, Fresno, suffered $100,000 fire loss on March 31.

Building permits issued in Berkeley for the month of March totaled 195 covering operations costing $512,000.

Peace Looms in Santa Clara County Building Controversy

Arbitration Proposal Given Unofficial Endorsement of Employers—Will Be Presented to Building Trades Council—Proposals as Basis Settlement Prepared by Industrial Association

The formation of an arbitration committee to settle all disputes over the labor situation in Santa Clara County was unofficially endorsed by the Builders' Exchange at a recent meeting. The committee, as proposed, would be composed of a representative of the employers chosen by the Builders' Exchange; a representative of the employes, chosen by the Building Trades Council; a representative of the people, selected by the superior judges, with President Wilbur, of the Stanford University, and Father Z. J. Maher of the University of Santa Clara as ex-officio members.

The plan was presented to the exchange by a committee from the Industrial Peace association, composed of Dr. J. A. Jayet, Charles Pease and J. C. Rodgers. P. H. Scullin, founder of the association, was also present at the meeting. The exchange heartily endorsed the proposed plan. The same proposal will be presented to the Building Trades council by the same committee. If the plan receives the same reception, it is very likely that measures to put it into effect will be taken in the near future.

The scheme is embraced in the following list of proposals:

"The San Jose branch of the National Industrial Peace and Education association respectfully submits the following proposals as the basis for settlement of the present difficulty in the building trades and as supplying a set of working rules for the consideration of employers and employes generally. These proposals aim at justice for all concerned and we believe, if adopted, they will help to bring harmony between the forces of employers and employes, as well as industrial peace, contentment and prosperity to the community.

Working Rules

I. **Hours of Labor**—Eight hours shall be the maximum number of hours constituting a day's work or a night's work; except it be as overtime with payment for same as herein provided. Five and a half days shall be a labor week or a week's work.

II. **Working Hours**—The working hours shall be from 8 a. m. to 12 m. and from 1 p. m. to 5 p. m., with one hour for dinner, or as otherwise agreed between each employer and his employes, collectively or individually.

III. **Night Work**—When two gangs are employed, working hours of the night shift shall be from 8 p. m. to 12m. and from 1 a. m. to 5 a. m. with one hour for meal. Such hours may be changed by mutual agreement between employers and employes to conform to the exigencies of the work to be done and the relation of that work to public conveniences and necessity.

IV. **Overtime**—Overtime shall be paid for at time and a half.

V. **Double Time**—Work done on Saturday afternoons, Sundays, Fourth of July, Labor Day, Thanksgiving, Christmas, Admission and Decoration days is to be paid for as double time.

VI. **Wages**—From date of this agreement to February 15, 1923, the minimum rate of wages shall be as fixed by the arbitration wage board of San Francisco, which is appended and is accepted as a part of this agreement.

VII. **Wage and Peace Board**—A committee of five shall constitute an industrial wage and peace board who shall adjust all wages subsequent to February 15, 1923, and from time to time as agreed upon by employers and employes, and in accordance with changing economic conditions; such wages to be adequate always to provide for the welfare of the employe according to modern American standards. This committee shall be constituted as follows: The president of Stanford University and the president of the University of Santa Clara, shall be ex-officio members of the board. The three judges of the superior court of Santa Clara county, acting conjointly shall name one member who shall not be interested directly or indirectly in any employer's or employe's organization. The Building Trades Council of Santa Clara county shall name one member and the Builders' Exchange of Santa Clara county shall name one member. In the event of the failure of any of the said parties to appoint a member of this board as herein provided, the board of directors of the Industrial Peace and Education association of Santa Clara county shall proceed to fill such vacancy temporarily. This board shall also have jurisdiction in all matters in dispute between employers and employes in which employers and employes are unable to reach an agreement.

VIII. **Pay Day**—Wages shall be paid weekly at or before the closing hour of the day on which the pay day of each employer occurs.

IX. **Discharge**—If any workman is discharged he shall be entitled to receive his wages at once, and, failure to so receive them he shall be entitled to payment at regular rate of wages for every working hour of waiting time which he may suffer by default of the employer.

X. **Lack of Materials**—In case work is suspended by reason of lack of materials, workmen are entitled to and shall be paid their wages on demand, that they may seek work elsewhere if necessary.

XI. **Complaints**—Any employe or committee of employes in any plant representing an organization of workmen shall have the right to prefer complaints and to have a conference with their employers when conference is desired.

XII. Nothing in this agreement shall be so construed as to prejudice the right of the employer to employ either union or non-union help or both; nor so as to prejudice the right of employes to organize for their common benefit; nor as to prejudice the right of the individual employe to affiliate or not to affiliate with such organization.

Theses rules relate specifically to the building trades but are applicable to all industrial branches, the standard wages and rules of the Arbitration and Wage Board of San Francisco furnishing the basis up to February 15, 1923.

These working rules are designed to cover only those matters that are vital and fundamental in the relations of employers and employes. Many minor and incidental matters may reasonably be left to the decision of employers and employes, the Wage and Peace Board affording an agency for reaching a settlement when the employers and employes cannot arrive at an agreement.

We believe the struggle of the labor unions for years past has been to secure just the safeguards and standards provided for in these rules and agreements. We believe, therefore, that the laborer can, without loss of dignity or essential principle, and without jeopardizing either his individual or collective interests accept the proposed remedy for industrial warfare, substituting for strife a just and intelligent basis for industrial peace and community wellbeing.

THE INDUSTRIAL PEACE AND EDUCATION ASSOCIATION.

Per Dr. A. Jayet, Chas. Pease, J. C. Rodgers, committee.

SANTA CLARA BUILDING TRADE UNIONS REFUSE PEACE PROPOSAL

Declaring that the proposals of the Industrial Peace Committee were merely the "open shop" plan under another name, the Building Trades Council of Santa Clara County at a recent meeting refused to accept the plan which received the unofficial endorsement of the Builders' Exchange. The proposal included the appointment of an arbitration committee, composed of representatives of the employers employes, people, and Dr. Wilbur of Stanford University and Father Maher of the Santa Clara College, as ex-officio members. This committee, the Building Trades Council declares, would be so tied up by the working rules that it would be impossible for it to take effective measures.

"We pointed out numerous fallacies in the rules," J. F. Cambiano, head of the Council declared, "and we brought up many points which the committee had not considered before. I am sure that the only way the labor difficulties can be remedied is for a committee from the employes to meet with representatives of the employers and argue the matter out. This, I am certain, will be the aim of the Industrial Peace association in the future."

ALAMEDA COUNTY BUILDERS TO HOLD ANNUAL BANQUET

Establishment of School to Train Bricklayers Proposed—Exchange Employment Bureau Reports Many Men Placed on Jobs Since First of Year

The first annual banquet of the Builders' Exchange of Alameda County will be held in the Hotel Oakland, May 1, according to an announcement of Wm. E. Hague, Secretary. An elaborate program of entertainment has been arranged and short talks will be made by capable speakers on the "American Plan" and the "Build and Buy Now" movement. The Banquet Committee is headed by L. C. Fraser, who has secured the co-operation of the Chamber of Commerce, Real Estate Board and various business organizations to make the affair a one hundred per cent success.

Seek Brick School

The Brick Contractors' Council of the Alameda County Exchange has decided to seek the aid of the Oakland Chamber of Commerce in establishing an apprentice school with a view to training young American boys in the brick trade and eventually supplying the existing shortage of bricklayers. The school for apprentice plasterers, according to members of the Exchange, proved so successful that there is every reason to believe a similar school for bricklayers will be equally satisfactory in results.

Employment Bureau Active

The Employment Office of the Oakland Exchange shows that a total of 398 men were placed during the month of January and 413 during the month of February. The report for March is now being compiled and from present indications will show in excess of 500 men established on improvements.

Berloy Metal Lumber Construction

Berloy Metal Lumber products are manufactured and erected by the Berger Manufacturing Company, 1120 Mission Street, San Francisco and 405 East Second Street, Los Angeles.

BERLOY Metal Lumber consists of pressed steel joists and studs with a complete line of accessories, peculiarly adapted to and primarily designed for economical strong, light weight, fire resistive floor, roof and partition construction in buildings of light occupancy requirements.

It is particularly recommended in the construction of residential and public buildings, such as apartment houses, dormitories, dwellings, banks, hotels, club houses, schools, hospitals, churches, colleges, office buildings, garages, retail stores; theatres, etc.; also for complete framing; including exterior walls for such structures as residences, apartment houses, added stories to present buildings, pent houses, ridge roofs, mezzanine stories, balconies, dryers, etc.

The sections are adapted to and designed for the lighter loads such as are usually carried by joists and studs, and therefore do not replace structural steel or reinforced concrete skeleton frame nor masonry walls where such materials are required.

Berloy Pressed Steel Joists may be used for light loads in spans up to about 30 feet in length, and will carry floor loads up to 300 or 400 pounds per square foot in shorter spans. Metal lumber construction is, however, at its best from an economical and practical standpoint in spans of 12 to 24 feet, and for live loads ranging from 40 to 125 pounds per square foot. Long lengths are formed of strip steel which eliminates splicing.

Metal Lumber Construction is based upon the use of Berloy pressed steel load carrying members, a reinforcing fabric (which also forms its own centering) consisting of Kilplex or expanded metal lath, a 2-inch reinforced concrete fire-resistive slab under the floor finish and a ⅞-inch cement mortar plaster protection to the under side of the joists and on both sides of partition studs.

Real Protection and Safety at Less Cost

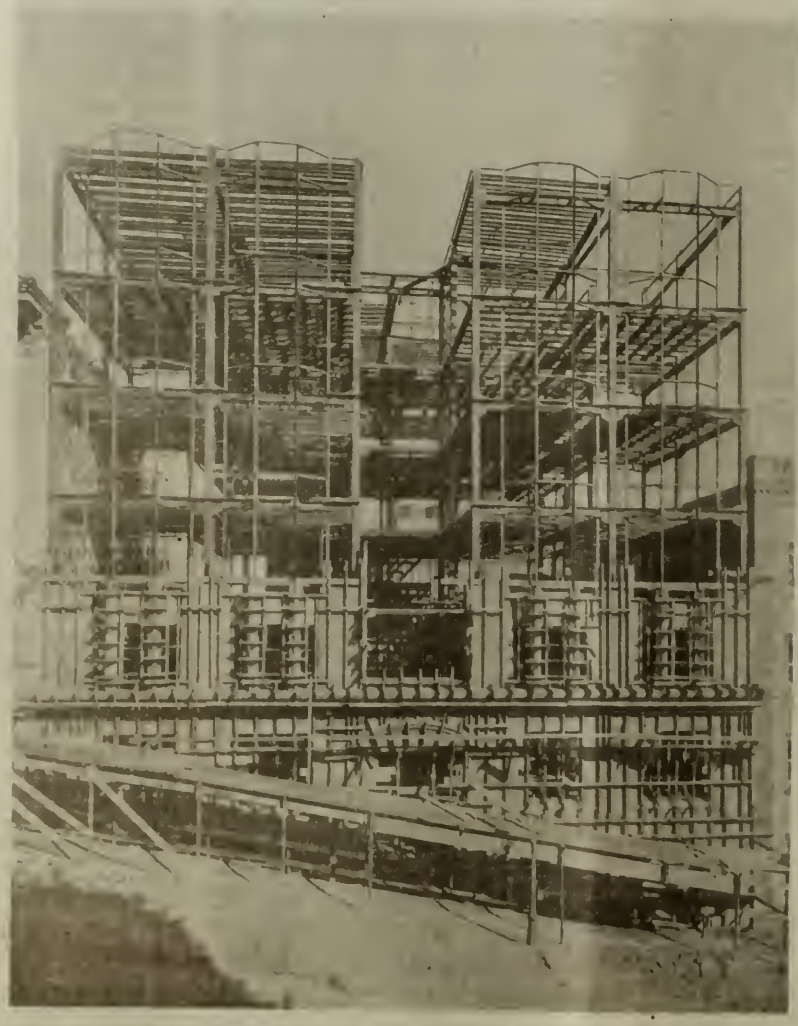
Last year the fire loss in the United States was nearly three hundred million dollars. Why take the risk involved in burnable buildings when you can build fireproof at low cost with Berloy Metal Lumber?

The Metal Lumber floor and partition construction shown in the accompanying picture is the simplest, most economical fireproof system known.

The design and the quality of the material give it great strength with no excess weight. It is easy to erect—permanent—saves time, labor and money.

While possessing all of the fireproof construction advantages Metal Lumber is as adaptable as wood and when its permanence and freedom from decaying, shrinking, warping, swelling and settling are considered it is more economical than wood and far more economical than the heavy types of fireproof construction.

Berloy engineers perfected the Metal Lumber system of construction, and many years of use have demonstrated its superiority.



Structural Steel Frame—Berloy Metal Lumber Pressed Steel Joists. Edward Beck Fireproof Apartment Building in San Francisco. M. V. Politeo, Architect.

Strong—Fireproof—Permanent Light Weight

Every Metal Lumber installation has been successful. This construction has been in use for many years and more than ten millions of square feet of floors and partitions stand as evidence of Metal Lumber value.

Metal Lumber is well suited to any climate. It was used in the Government Observatory at Lima, Peru. The U. S. Government used forty-four carloads of it in the Schofield Barracks, Honolulu, H. I. Metal Lumber buildings in Guatemala passed through earthquakes of 1917 and 1918 without injury or even cracks in the plaster. (See Amer. Concrete Inst. proceedings, 1919, Vol. XV, Pg. 213.)

HOME BUILDING EXPOSITION WILL PROMPT CONSTRUCTION

It is planned by those in charge of the Home Beautiful and Construction exposition, which will be held in the Civic Auditorium from April 25 to May 2, to carry a particular appeal to those who contemplate building at this time. "Such an exposition is bound to be of the greatest assistance to the prospective home builder in choosing the most desirable site, materials and equipment for the new building," said George W. Gerhard, secretary of the Civic league, "and I hope to see a most complete display of all these necessities, including the newest innovations that go to make the modern home and building sightly and comfortable.

"A great many of the streets of San Francisco present rather monotonous appearance so far as the buildings go," continued Gerhard, "there is practically no individuality in their design or decoration. One can look down one street and see most of the others. I believe that building shows, such as the Home Beautiful and Construction exposition will overcome this lack of artistic design, and through its suggestion the buildings of the future will be more artistic in design and decoration, with the most modern equipment installed at the minimum cost."

BONDS AUTHORIZED

Colusa county at a recent election authorized a bond issue of $795,000 to construct a system of good roads. A total of 576 votes were cast, of these, 538 were cast in favor of the issue.

ARCHITECTS SEEK SAFETY IN BUILDING CONSTRUCTION

The Oregon State Board of Architect Examiners in conjunction with the office of the State Fire Marshal has made an appeal to the architects of the state to cooperate with them in enforcing the provisions of the state laws and orders of state officials relating to the regulation of building construction, which provide for greater safety to life and property from fire and accident. The State Board of Architect Examiners requests that all plans for buildings to be used wholly or in part as places of public assembly of any character, including schools, dormitories, hotels and appartment houses, be submitted to the State Board of Architect Examiners or to the office of the State Fire Marshal for suggestions as to public safety.

GOVERNMENT WILL CLOSE THE NATION'S LARGEST TIMBER SALE

The largest timber sale ever made by the Government will be made shortly to the Fruit Growers' Supply Company, the auxiliary manufacturing corporation of the California Fruit Growers' Exchange, it is announced by Paul G. Redington, District Forester of the United States Forest Service. The exchange is the growers' cooperative association which markets the bulk of the California orange crop.

The contract is for 1,000,000,000 feet of timber in the Lassen National Forest in Lassen County, Calif., and will net the Government $3,314,000. The timber cutting will extend over a period of thirty-one years.

The contract has been approved by Redington, but not yet formally ratified by the Secretary of the Interior.

WHAT NEXT!!!

Those who, having been confused by contradictory predictions, are in for an "excess prophets tax" will read the following from the **Menu** of the **Mannan Smith Supply Company** with added interest. We make no comment on its authenticity or accuracy:

There will be temporary spurts this fall, providing we have fairly good crops, providing the deflation in prices of farm products and inflation in prices of building materials are brought nearer in balance.

We are going to have good crops providing it is not too hot, too cold, too wet or too dry.

The crops will be marketed, providing the farmer is furnished sufficient cars.

He will be provided sufficient cars, providing the railroad companies have enough.

The railroad will have enough, providing they can get the men to repair them.

They can get the men, providing they will work.

The men will work, providing they are satisfied with the wages offered.

They will be satisfied with the wages, providing they cannot obtain greater wages doing something else.

They can make more money at something else, providing there is something else.

There will be something else, providing everybody can get work.

Everybody can get work, providing prices of material and labor are reduced sufficiently to make building attractive.

Prices of material will be reduced, providing the demand of labor is decreased.

The demand will continue to show a decrease, providing confidence is not restored. Confidence will be restored, providing Manufacturers, Distributors and Dealers will get back to a reasonable margin of profit.

. . . That's all there is to it—clear as mud—funny someone hasn't thought of it sooner.

SIXTY MILES OF PAVED STREETS IN ALAMEDA

Streets in Alameda are among the best paved in California in comparison to its size, according to Burnett Hamilton, City Engineer. In statistics just compiled for C. E. Hickok City Manager, Hamilton points out that although Alameda is but one mile wide and six miles long, it contains just 60 miles of paved streets.

According to plans outlined by the street department during the coming summer months the few remaining unpaved streets are to be put in an excellent condition. The roadbeds will either be oiled or covered with an asphalt surface. The few streets which are covered with gravel are kept in an excellent condition and stretches of muddy roads are unknown.

TO BUILD PLACER-NEVADA COUNTY BRIDGE

Co-operative arrangements have been made tentative for the construction of a bridge over Bear River on the State highway between Auburn and Colfax now under construction. Supervisors of Placer and Nevada Counties met with the California Highway Commission at Sacramento on March 23 and urged that this bridge be built, if possible, before the completion of the paving as the present structure is entirely inadequate. The bridge is on the county line between Placer and Nevada Counties. The men present at the conference were: Nevada County Supervisors Jos. Frank, Rough & Ready; R. A. Eddy Nevada City; E. B. Dudley, North Bloomfield; and D. S. Rowe Green Valley, and Supervisor Wm. Haman, Roseville, Placer County.

ANIMAL ENGINEERS O. K. FLOOR

Elephants are known to be able to judge whether a floor or bridge will sustain their weight--and they utterly refuse to trust themselves on any surface they regard as unsafe.

The proprietor of the Overland Garage of Canton, Ohio, wished to demonstrate the strength of his floor, so he invited the five elephants shown above to come in and be photographed. The elephants went into the building without hesitation and posed all together in the center of the floor—a total weight of fully fifteen tons.

The floors of this garage, 65 feet wide and 200 feet long, are unobstructed by supporting columns which makes it possible to drive cars about it freely. This unusual span of 65 feet was made possible by the use of the lightest fireproof floor construction available—Metal Lumber; a system of pressed steel joists and studs—and the great strength of the floor was fully proven by the test shown above.

Building News Section

APARTMENT HOUSES

Contract Awarded.
APARTMENTS Cost, $25,000
SAN FRANCISCO. S Bush 190 E Pierce.
Three-story and basement frame (12) apartments.
Owners—Annie and Gus. Berndt, 201 Dolores St., San Francisco.
Architect—None.
Contractor—Geo. A. Williams, Room 307, 105 Montgomery St., S. F.

Contract Awarded.
APARTMENTS Cost, $75,000
LOS ANGELES. 1513 Orange St.
Three-story frame and plaster apartments (35 apts.)
Owner—Wm. N. Mead.
Architect—E. B. Rust, 527 Black Bldg., Los Angeles.
Contractor—L. T. Mayo, Black Bldg., Los Angeles.

Figures Being Taken for Plumbing, Heating and Electrical Work.
APARTMENTS Cost, $35,000
SAN FRANCISCO. E Larkin Street 68-9 S Washington Street.
Three-story and basement frame (12) apartments.
Owner—J. J. McCook.
Architects — O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
The carpentry work, etc., is being done by day's labor.

Completing Plans.
APARTMENTS Cost, $60,000
SANTA ROSA, Sonoma Co., Cal. E and Eighth Streets.
Two-story Class A apartment house (12 4-room flats and 4 3-rm apts.)
Owner—Chas. A. Bertolani.
Architect—A. M. Hildebrand and Chas. Casey, Santa Rosa.
NOTE:—Mr. Hildebrand is a contractor, but figures will be taken from other contractors.
SPECIFICATIONS
Heating steam; Roof, tile; Murphy sprinkling system.

Plans Being Figured.
APARTMENTS Cost, $15,000
SAN FRANCISCO. W 20th Ave. 120 S Geary.
Three-story and basement frame apartment-flat building (2 apts and 2 flats).
Owner—J. R. Sloan, 425 Kearny St., San Francisco.
Architect—W. H. Crim, 425 Kearny St., San Francisco.

Contract Awarded—Sub-figures Being Taken.
APARTMENTS Cost, $24,000
SAN FRANCISCO. SE Sacramento and Golden Court.
Three-story and basement frame (6) apartments.
Owner—M. D. Warwick, 3191 Washington St., San Francisco.
Architect—Chas. Skidmore, Call Bldg., San Francisco.
Contractor—Harry C. Warwick, 3191 Washington St., San Francisco.

Owner Taking Sub-figures.
APARTMENTS Cost, $275,000
SAN FRANCISCO. SE Geary and Shannon.
Ten-story and basement class A apartment house (63 2-room apartments)
Owner—M. A. Little.
Architect—E. E. Young, 251 Kearny St, San Francisco.

Contract Awarded. Cost, $19,676
SAN FRANCISCO. W Twenty-first Ave. between California and Clement Streets.
Three-story frame and plaster apartment house (6 3 room apts.)
Owner—W. Rieck.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Fred Warden, 68 Concord St., San Francisco.

Plans Being Figured.
APARTMENTS Cost, $50,000
SAN FRANCISCO. SE Franklin and Francisco Streets.
Three-story frame and plaster apartmento house (14 2, 3 and 4-room apts.)
Owner—Simmochio Bros.
Architect—I. Zanolini, 604 Montgomery St., San Francisco.

Low Bidders.
APARTMENTS Cost, approximately $30,000.
SAN FRANCISCO. S Pine 165 W Broderick.
Three-story frame and plaster apartment house.
Owner—Herman Allari.
Architect — Dodge A. Riedy, Pacific Bldg., San Francisco.
Low Bidder—Wm. Martin, 180 Jessie St., San Francisco.
Low bids on other portions of the work were as follows: Heating to Scott Co.; Plumbing to Gus May, 3668 18th St.; and Painting to Chris. Sieverts 2807 Pine St.

Commissioned to Prepare Plans.
APARTMENTS Cost, $70,000
SAN FRANCISCO. SW 20th and Dolores Sts.
Three-story frame and plaster apartment house (24 3-room apartments, sun court, etc.) garage in basement
Owner—Withheld.
Architect—A. J. Horstmann, Anglo Bldg., 16th and Mission St., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $110,000
SEATTLE, Wash. Brooklyn Ave. near East 45th St.
Four-story masonry and mill construction (33 2 and 3-room) apartments 80x103.
Owner—J. S. Williams, Poulsbo, Wash.
Architect—Frank H. Fowler, Smith Bldg., Seattle, Wash.

Plans Completed.
APARTMENTS Cost, $625,000
LONG BEACH, Cal. Ocean Blvd. east of Hotel Virginia.
Nine-story Class A apartment house (76 apts).
Owner—Withheld.
Architect & Contractor—Wallace & Bush, L. A. Railway Bldg., Los Angeles.
Work is expected to start in two weeks.

Figures to be Taken by Owner.
APARTMENTS Cost, $50,000
SAN FRANCISCO. S Sutter 100 W Leavenworth.
Five-story and basement class C (29) apartments.
Owner—L. B. Hinn, 105 Montgomery St., San Francisco.
Architect—A. Merrill Browser, Hearst Bldg., San Francisco.

Contracts Awarded.
ALTERATIONS Cost, $15,000
SAN FRANCISCO. No. 1317 Divisadero Street.
Alterations and additions for six apartments.

OFFICE BUILDING SITE FOR SALE
Will sell fine Oakland office building site, 50x103 on 15th near City Hall, reasonable. Miss Sherlock 351 12th St., Oakland

Owner—Nate Levy.
Architect—M. A. Sheldon, 110 Sutter St., San Francisco.
General Contract to Arthur Elvin, 2965 Howard St.
Plumbing to Frank Davison, 180 Jessie St.
Painting to Metzner & Christensen, 440 Grove St.
Electrical Work to S. M. Radelfinger, 142 4th St.
Roofing to Rapheld Roofing Co., 681 Market St.

Plans Being Figured.
APARTMENTS Cost, $85,000
SAN FRANCISCO. Market and Guerrero Sts.
Three-story class C brick apartment house building.
Owner—Withheld.
Architect — Nathaniel Blaisdell, 255 California St., San Francisco.
Figures are being taken for a general contract.

Contract Awarded.
APARTMENTS Cost, $10,500
OAKLAND. E Oak 50 S 11th.
Two-story frame 16-room apartments.
Owner—Marie E. Lainhas, 1415 23rd Ave., Oakland.
Architect—None.
Contractor—Harry C. Knight, 388 12th St., Oakland.

Contract Awarded.
APARTMENTS Cost, $20,500
RICHMOND. Contra Costa Co., Cal. SE Seventh and Nevin Streets.
Frame (16 apartments
Owner—Frank Lancaster, 7th and Macdonald Ave., Richmond.
Architect—None.
Contractor—E. A. F. Carson, 542 4th St., Richmond.

BANKS

Plans to be Prepared.
ALTERATIONS Cost, $——
NAPA, Napa Co., Cal. Brown and 1st Sts., in Migliavacca Building.
Extensive alterations to stores for bank
Owner—Bank of Italy.
Architect—Not selected.

BONDS

ORANGE COVE, Fresno Co., Cal. Bonds of $18,000 voted in Orange Cove School Districst to finance new school.

CENTERVILLE, Alameda Co., Cal.—School Trustees definitely decide to call election to vote bonds of $150,000 to finance construction of a new high school. J. J. Donovan, Pacific Bldg., Oakland, is the architect.

SARATOGA, Santa Clara Co., Cal.—Bonds of $55,000 to finance erection of an elementary school building voted at recent election.

VENICE, Los Angeles Co., Cal.—Bonds in the sum of $350,000 were voted Mar. 31, for new building at Venice high school. Russell & Alpaugh, 1108 Story Bldg., are the architects. The building will include a 30-room junior high school, an auditorium to seat 1200 people; study hall, gymnasium and a 2nd-story addition to the manual arts building. Brick construction, similar to present buildings.

WHITTIER, Cal.—An election will be held April 10, to vote on $30,000 bonds for waterworks, including piping, rights-of-way, conduits, reservoirs and other necessary works.

STOCKTON, San Joaquin Co., Cal.—Supervisors sell $250,000 issue of Lodi

High School District for premium of $6879; Lodi Grammar School District issue of $90,000 for $2,777; Woods School District of $10,000 for $830; proceeds of sale in each instance will finance construction of school improvements.

NEWPORT BEACH, Cal.—A special election will be held April 10, to vote on an issue of $25,000 for a gas container.

WHITTIER, Cal.—An election will be held April 10, to vote on $149,500 bonds for sewer system, including septic tanks, piping, manholes, flushtanks, and right-of-way to sewer farm.

VISALIA, Tulare Co., Cal.—Bonds of $110,000 voted for school improvements, plans for which will be prepared by Architect Ernest J. Kump, Rowell Bldg, Fresno.

SALINAS, Monterey Co., Cal.—Supervisors sell $42,000 bond issue of Pajaro School District for premium of $2,315; proceeds of sale will finance new school. Wyckoff & White, Growers' Bank Bldg., San Jose, are architects.

SANTA BARBARA, Cal.—Bonds of $450,000 to finance construction of new high school were voted at a recent election. W. H. Weeks, 369 Pine St., San Francisco, is the architect.

SACRAMENTO, Cal. — Supervisors take under advisement a bid of $131 (premium) for the $10,000 bond issue of the Franklin Union School District. Proceeds of the sale are to finance school improvements.

SANTA CRUZ, Santa Cruz Co., Cal.—Election will be held April 29, in Live Oak School District to vote bonds of $14,000 to finance construction of a new school. Trustees of the district are: A. M. Foster, C. P. Baird and Mrs. M. V. Keller.

SANTA ROSA, Sonoma Co., Cal.—Bonds of $241,000 to finance construction of two new grammar schools authorized at a recent election.

VISALIA, Tulare Co., Cal.—Until April 25, bids will be received by the Supervisors for the purchase of $65,000 bond issue of Dinuba High School District and $10,000 issue of Lindsay Elementary School District; proceeds of sale in each instance to finance school improvements.

CHOWCHILLA, Madera Co., Cal.—Election will be held April 22nd to vote bonds of $15,000 to finance construction of school building to replace structure destroyed by fire.

SACRAMENTO, Cal.—Until April 17, bids will be received by supervisors for purchase of $41,000 bond issue of Rio Linda Union High School District; proceeds of sale to finance school improvements. George C. Sellon & Co., Mitau Bldg., Sacramento, are the architects.

BAKERSFIELD, Kern Co., Cal.—The $380,000 bond issue of Taft Union High School District sold by supervisors for premium of $14,348. Proceeds of sale will finance construction of a group of school buildings, plans for which are being prepared by Architect Orville L. Clark, Brower Bldg., Bakersfield.

SANTA ROSA, Sonoma Co., Cal.—Bonds of $50,000 to finance improvements to municipal water system voted at recent election. C. C. Kennedy, Call Bldg., San Francisco, engineer.

CHURCHES

Contract Awarded.
CHURCH BUILDINGS Cost, $120,000
STOCKTON, San Joaquin Co., Cal. El Dorado, Center, Vine and Willow Streets.
Two-story brick and concrete church, Sunday school and community hall.
Owner—First Presbyterian Church.
Architects — Davis-Heller-Pearce Co., Delta Bldg., Stockton.
Contractor—Daniels & Green, Stockton.

Plans Being Prepared.
CHURCH. Cost, $35,000
PASO ROBLES, San Luis Obispo Co., Cal.
Two-story and basement frame and plaster church, 80x90 (600 seats).
Owner—Methodist Episcopal Church.
Architect — Arthur G. Lindley, 901 Wright-Callender Bldg., Los Angeles.

FACTORIES & WAREHOUSES

Contract Awarded.
WHOLESALE BUILDING Cost, approximately $500,000.
SAN FRANCISCO. SE Fremont and Mission Streets.
Eight-story class A wholesale building.
Owner—Walton N. Moore & Co., (Dry Goods Dealers).
Architect—George Wm. Kelham, Sharon Bldg., San Francisco.
Engineer — H. J. Brunnier, Sharon Bldg., San Francisco.
Contractor—The Foundation Co., Holbrook Bldg., San Francisco.
The excavating contract has been awarded to A. J. Reeder, 180 Jessie St., and work will be started immediately.

Plans Being Figured.
FACTORY BUILDING Cost, $12,000
SAN FRANCISCO. NE Bryant and Sterling.
One-story reinforced concrete factory building.
Owner—Magnolia Metal Co.
Architect — Dodge A. Riedy, Pacific Bldg., San Francisco.
Figures are being taken for a general contract.

Plans Being Figured.
WAREHOUSE Cost, $——
LOS ANGELES, Cal. Santa Monica Blvd. and Cahuenga Ave.
Six-story Class A warehouse.
Owner—Premier Fireproof Storage Co.
Engineer—E. T. Flaherty, 435 I. W. Hellman Bldg., Los Angeles.

Sub-figures Being Taken and Materials Being Purchased.
BUILDING Cost, $45,000
MONTE VISTA, Santa Clara Co., Cal.
One-story frame and corrugated iron cannery building.
Owner—Monta Vista Packing Co.
Engineer and Construction Manager—W. W. Breite, Cinnie Bldg., San Francisco.

Plans Being Prepared—To be Done by Day's Work.
ADDITION Cost, $——
WEED, Siskiyou Co., Cal.
Frame addition to sash and door factory.
Owner—Weed Lumber Co.
Architect — Drafting Department of owner.

BAKERSFIELD, Kern Co., Cal.—Southern Pacific and Fruit Express Companies will erect $400,000 ice manufacturing and loading plant. A privately owned icing plant now used by the S. P. Company inadequate to handle supply due to increased business.

PORTERVILLE, Tulare Co., Cal.—Orange Growers in Magnolia District have organized the Magnolia Packing House Company, and will erect a plant in the vicinity of the Santa Fe tracks. Officers of the company are: Frank T. Smith, president; S. S. Mead, vice-president; W. S. Shippey, secretary-treasurer.

RICHMOND, Contra Costa Co., Cal.—A. K. Goodmundson, 2140 San Pablo Ave., Oakland, submitted the lowest bid and was awarded a contract by A. C. Faris, Clerk of the City of Richmond, for roof covering on wharf shed adjacent to Municipal Wharf No. 1.
Three bids were received as follows:
A. K. Goodmundson, Oakland....$4145
Richmond Roofing Co..... 4617
J. W. Bender Roofing Co..... 5356

VISALIA, Tulare Co., Cal.—The Elderwood Citrus Association, recently organized, proposes to erect packing plant to handle fall crop. Directors of the Association are: H. B. McClure of Visalia, E. I. Towt, J. Frank Mitchell, J. E. Barton, A. Dinkins, Henry Koenig, L. L. Richard, W. B. Rogers and H. F. Goldman.

DINUBA, Tulare Co., Cal.—T. H. Buck Packing Co., Sacramento, has leased a site at West Tulare and M Sts., from the Southern Pacific Co., and will erect a fresh fruit packing plant, 50 by 250 ft.

MADERA, Madera Co., Cal.—E. Y. Foley has been granted a permit by the Trustees to erect a packing plant, 75x120 feet, on Railroad reservation between Yosemite avenue and Sixth St. Estimated cost, $5000.

MERCED, Merced Co., Cal.—Construction has been started by day labor on a frame packing plant for the Merced Growers' Packing Association on 16th street on the S. P. reservation. Will be 50 by 100 feet and will cost $4000. P. Velenzano is president of the association.

FRESNO, Fresno Co., Cal.—Southern Pacific Co., will construct 2-story addition to present passenger station, according to H. E. Ish, district freight and passenger agent at Fresno.

FLATS

Contract Awarded.
FLATS Cost, $16,500
SAN FRANCISCO. NW Hillway and Parnassus Avenues.
Two-story and basement frame and plaster flats (2 flats, 6 rooms, sleeping porch and two bathrooms and conservatory each, with 2 garages in basement).
Owner—Miss A. Breeze.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco.

Contract Awarded.
FLATS Cost, $15,000
SAN FRANCISCO. NE 11th Ave. and Judah St., 36x100.
Two two-story and basement frame and plaster flat buildings (6 3 and 4-room flats each.)
Owner—Mrs. S. Johe.
Architect—Frederick W. Quandt, Monadnock Bldg., San Francisco.
Contractor—Joel Johnson, 180 Jessie St., San Francisco.

Contract Awarded.
STORES AND FLATS Cost, $10,000
OAKLAND. SW Garnet and Broadway.
Two-story frame stores and flats.
Owner—Max Kulgel, Garnet & Broadway, Oakland.
Architect—None.
Contractor—Jas L Rich, 943 42nd St., Oakland.

Contract Awarded.
FLATS Cost, $11,000
SAN FRANCISCO. N Clay 50 E Steiner
Two-story and basement frame (2) flats.
Owners—Eva and Fanny Deutsch, and Augusta Jones, Berkeley.
Architect—None.
Contractor—Munster & Bornholdt, 1530 Broderick St., San Francisco.

Contract Awarded.
FRAME FLATS Cost, $17,500
SACRAMENTO, Cal. No. 3924 J St.
Two-story frame flat building (4 5-room flats).
Owner—Peter Carli, 822 U St., Sacramento.
Architect—Frederick S. Harrison, Peoples Bank Bldg., Sacramento.
Contractor—A. W. Norris, Peoples Bank Bldg. Sacramento.

Contract Awarded.
FRAME FLATS Cost, $15,000
SACRAMENTO, Cal. No. 1149 Thirty-eighth Street.
Two-story frame flat building (4 4-room flats).
Owner—W. Esycheck, 2009 F St., Sacramento.
Architect—Frederick S. Harrison, Peoples Bank Bldg., Sacramento.
Contractor—A. W. Norris, Peoples Bank Bldg., Sacramento.

Plans Being Figured.
FRAME FLATS Cost, $14,000
SAN FRANCISCO. Funston Avenue N Geary Street.
Two-story and basement frame and plaster flats (1 6-room and 1 7-room).
Owner—Chas. Schmitz.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Plans Completed.
FLATS Cost, $10,500
SAN FRANCISCO. E Funston Ave. 25 S Balboa.
Two-story and basement frame (2) flats.
Owner—Leo Blum, 1149 Balboa St., San Francisco.
Architect—Bernard J. Joseph, 74 New Montgomery St., San Francisco.

To be Done by Day's Work.
FLATS Cost, $12,000
SAN FRANCISCO. SW Cabrillo St. and 18th Ave.
Two-story and basement frame (4) flats.
Owner—Karl H. Holmgren, 1212 8th Ave., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Contract Awarded.
FLATS Cost, $10,050
SAN FRANCISCO. W Fourteenth Ave. between Geary and Anza Sts.
Two-story and basement frame and plaster flat building (2 6-room flats with basement garage.
Owner—Mr. Littlepage.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—J. E. Barker.

GARAGES

Low Bidder—Contract to be Awarded in a Few Days.
GARAGE Cost, $35,000
SAN JOSE, Santa Clara Co., Cal. River and Santa Clara Streets.
Two-story brick commercial garage.
Owner—Norman Kooser.
Leesee—Hayes & Canelo.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Low Bidder—Al. Compton, 547 N-17th St., San Jose.

Sub-figures Being Taken by Engineer.
GARAGE Cost, $25,000
OAKLAND. 23rd and Valdez Sts.
One-story reinforced concrete garage building.
Owner—C. A. Hancock.
Engineer—R. Vane Woods, Federal Bldg., Oakland.
Contractor—Henry J. Christensen, Federal Bldg., Oakland.

Working Drawings Being Prepared.
GARAGE Cost, $165,000
SAN FRANCISCO. N Ellis W Mason.
Five-story and basement reinforced concrete public garage.
Owner—United Garage Co.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Plans will be ready for figures in about two weeks.

OAKLAND, Cal.—Until May 1, 10 A. M., bids will be received by Geo. E. Gross, County Clerk, for alterations and additions to county garage. **See call for bids under official section in this issue.**

GOVERNMENT WORK AND SUPPLIES

Contract Awarded
EXTENSION TO SHELL HOUSE
Cost, $81,000.
MARE ISLAND, Cal
One-story extension to shell house and an identical extension to magazine at the Navy Yard (Ammunition Depot). Reinforced concrete construction. Specification No. 4561.
Owner—United States Government.
Architect—Owner.
Contractor—John Pringle, 2364 32nd Ave., San Francisco.

Plans Being Figured—Bids Close Apr. 24, 11 A. M.
INFIRMARY Cost, $25,000
BENICIA, Solona Co., Cal. Benicia Arsenal.
Hollow tile infirmary (asbestos or Spanish tile roof, steam heating plant, etc.)
Owner—U. S. Government.
Plans by owner.
See official call for bids under proposals

Plans Being Figured—Bids Close Apr. 19, 1922.
ALTERATIONS Cost, $——
MARE ISLAND, Cal.
Remodel and rebuild 2-story brick and frame building (Quarters M-1 Spec. 4593).
Owner—U. S. Government.
Plans by owner.
For further particulars see call for bids under official proposals.

The following awards have been made by the chief of the bureau of yards and docks, Navy Department during the weeking ending March 22 for work at navy yards and stations:
Specification 4564, Puget Sound, Wash., addition to shell house, Parker & Wood, Bremerton, Wash., $17,750, 90 days.
Specification 4586, San Diego, Calif., steam supply system, G. E. Engineering Co., 449 W. 42nd St., New York City, $71,300, time 120 days; omission of work covered by C and D of the specification item 6.
(41479) 1st report Feb. 21, 3nd Mar. 21.

SEATTLE, Wash.—Until April 12, 11 A. M., bids will be received by Alaskan Engineering Commission, under Circular 551, for furnishing and delivering lock lifts for Sharon Coupler; steel brake shoes; repair parts for Marion shovel and Buckrus shovel.

SAN FRANCISCO—Until April 4, 11 A. M., bids will be received by U. S. Engineer Office, 240 Montgomery St., under Order 3637 for furnishing and delivering Rio Vista, Solano county, miscellaneous hardware and supplies.

SAN FRANCISCO—Until April 10, 10 a. m., under Circular 22-62, bids will be received by Quartermaster Supply Officer, Fort Mason, Calif., for furnishing and delivering switches, screws, varnish, bar iron, snatch blocks, metal polish, red paint, barrel skids, etc.

WASHINGTON, D. C.—Bert Ward, 418 Peoples Bank Bldg., Seattle, Wash., awarded contract by Bureau of Yards and Docks, Navy Department, under Specification 4574, to construct radio station at Tatoosh, Wash., bid, $14,880, to be completed in 90 days.

WASHINGTON, D. C.—Following bids received by the Bureau of Yards and Docks Navy Department, under Specification 4587 for mess-room and kitchen equipment at the naval base, training station, San Diego, Calif.:
Item 1, work, complete, 2, add to or deduct from item 1 for substituting ranges in the galley of mess hall as specified under alternative A of the specification.
S. B. Sexton Stove & Mfg. Co., 506 block west, Conway St., Baltimore, item 1, $39,820, 75 days; 2, add $400.
Lawson & Druckey, 450 Hayes St., San Francisco, item 1, $51,000; 2, add $160; 75 days.
Parmelee & Dohrmann, 436 S. Broadway, Los Angeles, Calif., item 1, $39,075, 65 days.

WASHINGTON, D. C.—F. G. Allin Construction Co., Syndicate Trust Bldg., St. Louis, at $6147 awarded contract by the Supervising Architect to install 2 new Rollers and mechanical changes in cold storage and ice plant at veterans' hospital No. 50, Whipple Barracks, Prescott, Ariz.

BENICIA, Solano Co., Cal.—Until Apr. 17, 11.45 A. M., bids will be received by Commanding Officer, Benicia Arsenal, for furnishing and delivering under Supply No. 71: water buckets; thermometers; wire rope thimbles; clothes line pulleys; hacksaw blades; jobber's reamers; twist drills; steel wire nails; files; bar steel; glass cutters, 2 rip band saws, etc.

WASHINGTON, D. C.—Until April 21, 10:30 A. M., under Circular No. 1475, bids will be received by Panama Canal Commission, for furnishing and delivering Balboa, Pacific Port: oil handling pump, water meter testing outfits, long-time burning oil, tires and tubes, brass chain bolts, corn brooms, etc. Further information may be had from Assistant Purchasing Agent, Fort Mason, San Francisco.

SEATTLE, Wash.—Until April 13, 11 A. M., bids will be received by Alaskan Engineering Commission, Bell Street Terminal, for furnishing and delivering under Circular No. 552: 225 pieces of steel sheet piling and corner pieces and cast steel driving hood.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for furnishing and delivering materials to Navy Yards, date for opening bids as noted at end of each paragraph:
Schedule 9540, for Mare Island, 1 armature coil winder, 1 spreader or reformer, armature coil; 1 motor-driven coil tapping machine, 1 magnet wire tension device and 1 motor-driven coil winding machine, opening of April 18.
Schedule 9544, for the naval station, San Diego, Calif., 45 union suits or unionalls for aviators, April 18.
Schedule 9515, for Mare Island, 10,000 feet domestic white oak plank, April 18.
Schedule 9546, for Mare Island, 30,000 feet sugar pine, April 18.
Schedule 9550, for Mare Island, 189 screen door catches, 780 chest and drawer handles, 500 hings hasps, 1200 machine screw nuts, 225 reams sandpaper and miscellaneous steel cotter pins, April 18.
Schedule 9551, for Boston and Puget Sound, miscellaneous crossings, rails, angle bars, switches and frogs, April 18.
Schedule 9552, Mare Island, 5000 yds. cotton furniture covering, April 25.
Schedule 9553, Puget Sound, 6750 lbs. manganese bronze bar, April 25.
Schedule 9560, for Mare Island, 5000 pounds chrome green in oil, April 25.
Schedule 9561, for Mare Island, storage battery testing outfits, hydrometers, syringes and tubes, April 25.
Schedule 9562, for Mare Island, 5 water closets, April 25.
Schedule 9569, for Puget Sound, 2 electric armature baking ovens and spares, April 25.

HALLS AND SOCIETY BUILDINGS

Plans Being Prepared.
BUILDING Cost, $70,000
GLENDALE, Los Angeles Co., Cal.
Brick and hollow tile women's club building.
Owner—Tuesday Afternoon Club.
Architect—Alfred F. Priest, 619 Fay Bldg., Los Angeles.

Commissioned to Prepare Plans.
BUILDING Cost, $——
LOS ANGELES, Cal. Figueroa bet. 9th and 10th.
Five-story class A reinforced concrete club building 100x165.
Owner—Friday Morning Club.
Architect—Allison & Allison, 1405 Hibernian Bldg., Los Angeles.

Plans Being Figured.
HOME BUILDING Cost, $125,000
SAN FRANCISCO. Laguna and Page Streets.
Three and five-story reinforced concrete and brick Girls' Home Bldg
Owner—Emanu-El Sisterhood.
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., S F
Figures are being taken for a general contract from a selected list of contractors.

Contract Awarded.
PAVILION Cost, $20,000
SAN FRANCISCO. Sloat Boulevard.
Two-story frame cafe and dancing pavilion.
Owner—Prince Imperial Inn.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—Gaston Peno, 1655 Mason St., San Francisco.

ORLAND, Glenn Co., Cal.—The Tommy A. Thompson Post, American Legion, has started campaign to secure funds with which to finance construction of a memorial building in Civic Park. The Glenn County Supervisors will be asked to contribute.

HUNTINGTON BEACH, Cal.—Architects Walker & Eisen, 325 Pacific Finance Bldg., have prepared plans for a beach arcade and pavilion at Huntington Beach for Huntington Beach Co. Arcade, 196x20 ft., 19 small stores, frame and plaster construction, composition roofing, cement floors, reinforced concrete retaining wall 250 ft. in length. Pavilion, 197x48 ft., at entrance to pier, 11 stores and promenade, frame and plaster construction.

HOTELS

Plans Being Prepared.
HOTEL Cost, $220,000
RENO, Nevada. Center St. on site of the Russ House.
Five-story reinforced concrete hotel.
Owner—Geo. Wingfield.
Architect—F. J. De Longchamps, Reno Gazette Bldg., Reno, Nevada.

Contract Awarded.
DEPOT & HOTEL Cost, $75,000
CALIENTE, Nevada.
Two-story frame and plaster railway depot and hotel building 200x60 (tile and composition roof).
Owner—Union Pacific Railway Co., 610 S Main St., Los Angeles.
Architects—John Parkinson and Donald B. Parkinson, 420 Title Insurance Bldg., Los Angeles.
Contractor—H. W. Baum, Salt Lake City, Utah.

Preliminary Plans Approved.
HOTEL BLDG. Cost, $1,000,000
FRESNO. Fresno Co., Cal. SW Inyo and J Sts.
Eight-story reinforced concrete hotel (250 rooms with clubrooms and sample rooms and roof garden).
Owner—Sun-Maid Hotel Corp.
Lessee—W. H. Lake and Albert Bettens, Hotel Fresno, Fresno.
Architect—F. L. Felchlin, Bank of Italy Bldg., Fresno, and H. Rafael Lake, Balboa Bldg., San Francisco, associated.
The board of directors of the hotel corporation will include: W. A. Sutherland, Lesley Einstein, A. W. Bernhauer, E. G. Hughson, W. F. Dunn, H. E. Patterson, H. W. Lake and Albert Bettens.

PUBLIC BUILDINGS

Plans Being Figured—Bids Close April 17, 1922, at 7:30 P. M.
ADDITION Cost, $33,000
PALO ALTO, Santa Clara Co., Cal. On Corner of Bryant St. and Hamilton Avenue.
One-story reinforced concrete addition to Library.
Owner—City of Palo Alto.
Architect—Birge M. Clark, 4 Cabrillo St., Palo Alto.
Figures are being taken for a general contract.

Figures to be Taken Shortly.
AUDITORIUM Cost, $200,000
SAN BERNARDINO, Cal.
Reinforced concrete municipal auditorium.
Owner—City of San Bernardino.
Architect—Howard C. Jones, Katz Bldg San Bernardino.
Bids will be taken separately on general work, electrical work, painting and decorating, and heating and ventilating.

RED BLUFF, Tehama Co., Cal.—All bids received recently by the Board of Supervisors of the County of Tehama, for installing a heating plant in the new Tehama County courthouse building, according to plans and specifications prepared by Architects Geo. C. Sellon & Co., Mitau Bldg., Sacramento, have been rejected. New bids will be called for later.

ALAMEDA, Alameda Co., Cal.—Until April 18, 8 P. M., bids will be received by Wm. E. Varcoe, city clerk, to construct a comfort station in Washington Park. Plans may be had from office of city engineer.

CHICO, Butte Co., Cal.—Until April 19, 7.30 P. M., bids will be received by Laura A. Sawyers, secretary Library Trustees, for furnishing labor and materials to paint and tint interior walls and ceilings of Chico Public Library. Specification will be furnished on request.

RESIDENCES

Plans Being Prepared.
RESIDENCE Cost, $10,000
SAN FRANCISCO. St Francis Wood.
Two-story frame and plaster residence.
Owner—Grover O'Connor.
Architect—H. H. Gutterson, 278 Post St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $——
SAN FRANCISCO. St. Francis Wood on Santa Clara Ave. near St. Francis Blvd.
Two-story frame residence.
Owner—Wm. A. Garlick.
Architect—Smith O'Brien, 742 Market St., San Francisco.

To be Done by Day's Labor.
DWELLING Cost, $6,000
SACRAMENTO, Cal. Colonial Heights.
One-story brick and tile 5-room dwelling.
Owner—G. F. Miller, Colonial Heights, Sacramento.
Architect—Frederick S. Harrison, Peoples Bank Bldg., Sacramento.

Contract Awarded.
DWELLING Cost, $3,000
SACRAMENTO, Cal. 29th and V Sts.
Five-room frame dwelling.
Owner—White & Needham, Peoples Bank Bldg., Sacramento.
Architect—Frederick S. Harrison, Peoples Bank Bldg., Sacramento.
Contractor — A. W. Norris, Peoples Bank Bldg., Sacramento.

Completing Plans.
RESIDENCES Cost, $35,000 to $40,000 each.
SAN FRANCISCO. Two on Jackson St., two on Pacific Ave. and three on Scott Street.
Seven two-story frame and plaster residences.
Owner—H. O. Trowbridge and W. F. Perkins.
Architect—Alfred H. Jacobs, 110 Sutter St., San Francisco.

Contract Awarded.
STORE AND DWELLING Cost, $5,300
SACRAMENTO, Cal.
Two-story frame store aand dwelling.
Owner—C. R. Simons, 43rd St. and 8th Ave., Sacramento.
Architect—Frederick S. Harrison, Peoples Bank Bldg., Sacramento.
Contractor — A. W. Norris, Peoples Bank Bldg., Sacramento.

Contract Awarded.
DWELLING & GARAGE Cost, $6,000
SACRAMENTO, Cal.
One-story frame 5-room dwelling and garage.
Owner—Chas. B. Harris, Sacramento.
Architect—Frederick S. Harrison, Peoples Bank Bldg., Sacramento.
Contractor—Barton & Dudley, 619 J St., Sacramento.

Contract Awarded.
RESIDENCE Cost, $10,000
SAN FRANCISCO. Forest Hill.
Two-story frame and plaster residence
Owner—Wm. Weichart.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.
Contractor—J. Prout, 2020 Turk St., San Francisco.

Plans Completed.
RESIDENCE Cost, $8,000
SACRAMENTO, Cal. Opposite Auburn Blvd. and 16th St.
One and one-half-story frame residence (6 rooms).
Owner—Wm. Dreher, 1015 10th St., Sacramento.
Architect — Frederick S. Harrison, Peoples Bank Bldg., Sacramento.

Plans Being Figured.
RESIDENCE Cost, $——
PIEDMONT, Alameda Co., Cal.
Two-story frame residence.
Owner—L. H. Kibbe.
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., S. F.
Figures are being taken for a general contract from a selected list of contractors.

Contract Awarded.
RESIDENCE Cost, $15,000
SAN FRANCISCO. NW St. Francis Blvd. and Santa Ana Ave.
Two-story and basement frame residence.
Owner—Alfred Gunn.
Architect—J. R. Miller, Lick Bldg., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $30,000
HANFORD, Kings Co., Cal. North Irwin and Grangeville Blvd.
Two-story and basement frame and plaster 12-room residence. Spanish tile roof.
Owner—J. Clarence Rice, Hanford.
Architect—G. S. Cunning, Hanford.
Contractor—J. Frank Brown, Hanford.

Contract Awarded.
RESIDENCE Cost, $15,000
BURLINGAME, San Mateo Co., Cal.
One-story frame and plaster Spanish style residence (8 rooms, 2 bathrooms and separate garage).
Owner—A. W. Koch.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Contractor—S. A. Wisnom, San Mateo.

Contract Awarded.
RESIDENCE Cost, $——
SAN FRANCISCO. St. Francis Wood.
Two-story frame residence.
Owner—Rev. R. S. Donaldson.
Architect — Miss Julia Morgan, Merchants' Exchange Bldg., S. F.
Contractor—Taylor & Jackson, 290 Tehama St., San Francisco.

HOLLYWOOD, Cal.—Architects Monaco & Bordeaux, 913 Bank of Italy Bldg., Los Angels, are completing plans for a 3-story and basement, 22-room hollow tile Italian Villa style residence in Hollywood foothills. Owners name withheld. Hollow tile construction, plaster exterior, tile roof, staff ornament, ornamental iron grilles, marble vestibule, oak floors, walnut trim. $25,000 pipe organ, electric elevator, billiard room, steam heat, hot water boiler, incinerator. Work will be done under the supervision of the architects by day labor; $150,000. Work on foundation has been started.

SCHOOLS

Completing Plans.
SCHOOL BUILDINGS Cost, $275,000
NAPA, Napa Co., Cal.
Three fireproof high school buildings (main building, manual training and domestic science buildings).
Owner—Napa High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

Commissioned to Prepare Plans.
SCHOOL Cost, $100,000
MONTEREY, Monterey Co., Cal.
Reinforced concrete high school building.
Owner—Monterey High School District
Architect—Norman R. Coulter, 46 Kearny St., San Francisco, and Marshall A. Dean of Pacific Grove, Associated.
Architects W. H. Weeks, San Francisco, and Mr. Angel of Los Angeles submitted plans in competition.

Low Bidder.
SCHOOL Cost, $——
LODI, San Joaquin Co., Cal. Pleasant Avenue and Walnut Street (St. Anne's Parish).
One-story reinforced concrete parochial school (4 classrooms, 2 music rooms, assembly hall, administra-

tion suite, the banquet hall will be in the basement).
Owner — Roman Catholic Archbishop, Edw. Maher, Pastor.
Architect — John J. Donovan, Pacific Bldg., Oakland.
Low Bidder — Shepherd & Riley, Yosemite Bldg., Stockton.

General Contract Being Re-Figured—Bids Close April 19, 1922. Plumbing, Heating and Electrical Contracts Awarded.
SCHOOL Cost, $140,000
GRASS VALLEY, Nevada Co., Cal.
Two-story reinforced concrete high school (18 rooms).
Owner—Grass Valley High School Dist.
Architects—Wm. Mooser and H. B. Simpson, Associated, Nevada Bank Bldg., San Francisco.
Heating and Ventilating and Plumbing awarded to Luppen-Hawley & Thing, 906 7th St., Sacramento.
Electrical Work to G. W. West of Grass Valley, $5498.
Plans may be obtained from the architect
See call for bids under Proposals.

Contract Awarded
SCHOOL Cost, $21,653
TEMPLETON, San Luis Obispo Co., Cal.
One-story frame and stucco school.
Owner—Templeton Union High School District (W. C. Smalling, Clerk).
Architect—J. C. Sumers.
Contractor—Appleton & Davis, Atascadero, Calif.
Other bidders were: West Coast Construction Co., San Francisco $25,533.50; E. Nommensen, San Jose, $21,872; B. O. Larson, Atascadero, $24,324; E. D. Jarvis, $25,171; Chas. Bacher, $23,880; T. Maino, Paso Robles $25,542.50.

Plans Completed.
SCHOOL Cost, $118,000
SAN PEDRO, Cal.
Two-story and basement reinforced concrete and brick units of high school building, 95x73 each.
Owner—Los Angeles Board of Education.
Architect—Frank G. Krucker, 500 Ferguson Bldg., Los Angeles.

Plans Being Figured—Bids Close April 24, 1922, at 8 P. M.
SCHOOLS Cost, $200,000
MANTECA, San Joaquin Co., Cal.
Three one-story reinforced concrete and brick school buildings.
Owner—Manteca Union High School District.
Architects — Davis-Heller-Pearce Co., Delta Bldg., Stockton.
Bids are being taken for a general contract and mechanical equipment. Plans may be obtained from the architects' office.

SEATTLE, Wash. — Seattle School District No. 1, Reuben W. Jones, secretary, will receive bids up to April 20, to construct 3-story reinforced concrete and brick Garfield school to be erected at East 24th Ave. and Jefferson St., estimated cost, $725,000. Will cover area of 200 by 250 ft., and will accomodate 1350 students. F. A. Naramore, city school architect.

MERIDIAN, Sutter Co., Cal.—Until April 22, 1:30 P. M., bids will be re received by C. E. Reische, Clerk, Meridian Grammar School District to construct grammar school, septic tank and drainage system. Chester Cole, Waterland-Breslauer Bldg., Chico, Architect. **See call for bids under official proposal section in this issue.**

LONG BEACH, Cal.—Frank Hudson, Higgins Bldg., Los Angeles, was low and only bidder at $118,231, for excavating, concrete, carpenter work and iron work for the Jefferson Junior High School in Long Beach. Long Beach Brick Co. was low on masonry and cost stone at $71,250; St. Louis Cornice Wks. low on sheet metal at $1415, Standard Roof Co. low on composition roof at $1390; C. L. Pasmore low on the roof at $11,100, George Claver low on plastering at $15,174; Rucker-Fuller Desk Co. low on blackboards at $2380, H. H. Mann low on painting at $1497; Bennett Montgomery Co. low on hardware at $6900, Hickman Bros. low on plumbing at $16,789; Golden State Elec. Co. low on wiring at $7648; Standard Time Rec. Co. low on program clocks at $1987, and Sanitary Plumbing Co. low on heating and ventilating at $13,880. Total of combined low bids reached beyond amount available. Board will probably order specifications revised and new bids taken. Allison & Allison, Hibernian Bldg., Los Angeles, and H. Alfred Anderson, Palace Theatre Bldg., Long Beach, Associate, are the architects. Twelve rooms and auditorium, brick and hollow tile construction, plaster exterior, tile and composition roof, pine trim, maple floors, reinforced concrete stairs and corridors.

CALIPATRIA, Cal.—Jarboe & Murray El Centro, were low bidders at $80,256 for general work and plastering for new high school buildings at Calipatria. Don W. Wells, El Centro, is the architect. Other low bidders were: A. Bendler, Calipatria, on plumbing; B. V. Ezell, El Centro, heating and sheet metal work; C. F. Ferguson, El Centro, electrical work and clocks; and Clyde Larey, El Centro on painting. Contracts will be awarded at next meeting of the school board. Reinforced concrete construction; plaster exterior and clay tile roof.

SAN FRANCISCO.—D. N. & E. Walter & Co., 562 Mission street, have been awarded a contract by the San Francisco Board of Education for furnishing and installing shades in the Commodore Sloat School.

SAN FRANCISCO—J. S. Hannah, general contractor for Columbus School Addition, now under construction in 13th Ave. between Kirkham and Lawton, has awarded following sub-contracts in connection with the work: millwork to Oakley Planing Mill; Sash and Doors to California Door Co.; damproofing, terra cotta and composition roofing to Fibrestone and Roofing Co.; fire extinguishers to Pacific Fire Extinguisher Co.; Hauser window fixtures to Hauser Co.; Painting to T. H. Dahl.

SAN FRANCISCO—Board of Public Works approves preliminary specifications prepared by City Architect John Reid, Jr., for extension of the James Lick School playgrounds; estimated cost, $5500. Bids will be asked for this work shortly.

LOS ANGELES, Cal.— S. E. McKae, 330 W. 53rd St., Los Angeles, was low bidder on the general contract for a seven-room addition to school building in Belvedere for Our Lady of Loudres Parish. Low bidders on other contracts were: D. Zelinsky on painting, Arthur Hess on plumbing and Chas. Stetson on wiring. Reinforced concrete walls, plaster exterior, tile roofing, pine trim and floors, reinforced concrete stairways, etc. T. Franklin Power, Tajo Bldg., Los Angeles, is the architect.

LOS ANGELES, Cal.—J. F. Atkinson, 1102 Story Bldg., Los Angeles, was low bidder at $182,000 on general contract for new McKinley Ave. intermediate school building; Train & Williams, 226 Western Mutual Bldg., are the architects. Low bidders on other contracts were: American Elec. Constr. Co. on wiring at $8,945.45; H.H. Mann on painting at $6354; F. J. Donnelly on plumbing at $11,375; and Hoagland-Lakin Co. on heating at $22,600. Two-story 223x141 ft., basement for cafeteria; brick construction, reinforced concrete stage, stucco and cast stone exterior, wood and steel roof trusses, composition roofing, pine trim, maple floors, marble and tile work.

LOS ANGELES, Cal.—Bavin & Burch, 173 E. Jefferson St., Los Angeles, were low bidders at $80,680, on general contract for new Raymond Ave. school building. Albert C. Martin, 430 Higgins Bldg., Los Angeles, is architect. Low bidders on other contracts were: Amer. Elec. Constr. Co. on wiring at $1897.30; E. W. Crowell on plumbing at $5973; F. J. Donnelly on heating at $5000; and H. H. Mann on painting at $2328. Two-story, 157x62 ft., 13 classrooms, brick construction, ruff. brick facing, cast stone trim, tile roofing.

LOS ANGELES, Cal.—J. C. Bannister, 903 N. Mariposa St., Los Angeles, was low bidder at $44,250 on general contract for new building at Sentous Junior High School site. Aleck Curlett, 408 Union Bank Bldg., Los Angeles, is the architect. Low bidders on other contracts were: Hoagland-Lakin Co. on heating at $10,678; F. J. Donnelly on plumbing at $4598; American Elec. Constr. Co. on wiring at $3148.76; Leo. H. Hubbert on painting at $2200. Two-story, 65x93 ft., 12 classrooms; reinforced concrete and hollow tile construction, stucco exterior, composition roof, pine trim, maple floors.

VALLEJO, Solano Co., Cal.—Frank Lamb, Vallejo, at $4,464 awarded contract to construct frame school building for the Hunter School District. Other bidders: Tony Dias, $4,600; F. E. Ames, $6,500; D. F. Fuller, $5,600 and J. Fatchler, $2,986.

OAKLAND, Cal.—Until May 1, 8 P. M., bids will be received by John W. Edgemond, secretary Oakland School District, for furnishing and delivering among other supplies: varnish, thumb tacks, floor oil, dust brushes, garbarge cans, etc. Contract covers school year ending June 30, 1923. Specifications will be furnished on request.

OAKDALE, Stanislaus Co., Cal.—The Board of Trustees of the Oakdale Union High School District received the following bids on April 3, 1922, for the construction of a two-story reinforced concrete school building from plans prepared by Architect W. H. Weeks, 369 Pine St., San Francisco. All bids were taken under advisement for a week. On the general contract alternate bids were taken as follows: (1) for special furniture, add; (2) deduct for wood upper walls instead of concrete:

General Contract

Cobby & Owsley, 180 Jessie St., San Francisco, $70,900; (1) $8,300; (2) $3,500.
Campbell Construction Co., Sacramento, $74,400; (1) $12,650; (2) $2,200.
Larsen & Siegrist, San Francisco, $75,500; (1) $9,300; (2) $3,000.
Shepherd & Riley, Sacramento, $75,752; (1) $6,954; (2) $1,917.
Tornell & Edbury, Stockton, $75,880; (1) $13,432; (2) $2,005.
Appleton & Davis, Atascadero, $76,935; (1) $7,500; (2) $3,750.
John Madsen, Turlock, $77,600; (1) $7,400; (2) $1,800.
John D. Carlsen, Turlock, $80,976; (1) $7,348; (2) $2,587.
Merced Concrete Pipe Co., Merced, $81,800; (1) $8,330; (2) $2,600.
R. W. Moller, San Francisco, $86,949; (1) $6,033; (2) $2,050.

Heating and Ventilating

(1) Complete installation; (2) work on present building, add; (2) oil burner
Scott Co., 234 Minna St., San Francisco, (1) $9,948; (2) $1,287; (3) $789.
Hoffman & Rhine, (1) $10,098; (2) $1,310; (3) $850.
Stockton Plumbing Supply, $10,534; (2) $821; (3) $735.
Carl T. Doell, Oakland, (1) $10,838; (2) $1,063; (3) $807.
Hateley & Hateley, Sacramento, (1) $10,854; (2) $1,538; (3) $1,073.
Thos. J. Kennedy, Martinez, (1) $11,337; (2) $1,615; (3) $816.
Luppen, Hawley & Thing, Sacramento, (1) $11,897; (2) $1,849; (3) $976.
Latourrette-Fleal Co., Sacramento, (1) $11,450; (2) $1,060; (3) $830.

STORES AND OFFICES

Plans Being Prepared.
ALTERATIONS Cost, $40,000
LOS ANGELES.
Extensive remodeling of cafe.
Owner—Withheld.
Architect—S. Heiman, 57 Post St., San Francisco, and 915 Loew State Bldg., Los Angeles.

Contract Awarded
STORE Cost, $75
SACRAMENTO, Cal.
One-story frame store.

Owner—George & Brown, 31st and H Sts., Sacramento.
Architect—Frederick S. Harrison, Peoples Bank Bldg., Sacramento.
Contractor — A. W. Norris, Peoples Bank Bldg., Sacramento.

Concrete Contract Awarded.
OFFICE BUILDING Cost, $50,000
SAN FRANCISCO. N Geary St. 206-8 W Mason Street.
Five-story and basement reinforced concrete offices and stores.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—D. C. Coleman, 110 Sutter St., San Francisco.
Concrete Work awarded to P. J. Hurley, 146 Herman St., San Francisco.

Commissioned to Prepare Plans.
OFFICE BUILDING Cost, $750,000
LOS ANGELES. Spring between 6th and 7th Sts.
Twelve-story class A store and office building 60x155 (steel frame).
Owners—Dunn-Williams Co. and Harry J. Bauer of Los Angeles.
Architects—Aleck E. Curlett and Claud Beelman , associated, 408 Union Bank Bldg., Los Angeles.
Contractor—MacDonald & Kahn, Loew State Bldg., Los Angeles.
It was reported that Sam Heiman of San Francisco was architect for this building, but owners decided to have a local architect.

Plans Being Prepared.
OFFICE BUILDING Cost, $——
SAN FRANCISCO. W Grant Ave. 68-9 S Pine.
Fireproof office building.
Owner—John V. Campbell, 1040 Bryant St., San Francisco.
Architect—Not given.

Plans Being Prepared—Contract Awarded.
OFFICE BUILDING Cost, $1,500,000
LOS ANGELES, Cal. NE 7th and Hope.
Tweleve-story and basement class A store and office building 187x106.
Owner—I. W. Hellman.
Leesee of Upper Floors—Union Oil Co.
Architects—Aleck E. Curlett and Claud Beelman, associated, 408 Union Bank Bldg., Los Angeles.
Contractor—MacDonald & Kahn, Loew State Bldg., Los Angeles.
The steel has been awarded to the Llewellyn Iron Works.

Plans Being Prepared.
OFFICE BUILDING Cost, $750,000
LONG BEACH, Cal. 3rd and Pine Ave.
One-story and mezzanine bank building 150x100; 10-story office building 54x100 (class A reinforced concrete or steel terra cotta.
Owner—Farmers and Merchants Bank.
Architects—Aleck Curlett and Claud Beelman, associated, Union Bank Bldg., Los Angeles; and W. Horace Austin, First National Bank Bldg., Long Beach, consulting engineer.

Plans will be ready for figures May 15th.

Grading Bids Being Taken.
BUILDINGS Cost, $——
SAN FRANCISCO. Market, 8th and Mission Sts.
Ten 4 to 6-story brick and concrete buildings (stores, offices and theatre).
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—D. C. Coleman, 110 Sutter St., San Francisco.

Plans Being Figured.
STORE BUILDING Cost, $7,000
SAN FRANCISCO. S Post 106 W Fillmore.
One-story class C store building
Owner—W. H. Hicks.
Architect—W. H. Crim, Jr., 425 Kearny St., San Francisco.

Segregated Figures Being Taken.
STORE AND LOFT Cost, $36,000
SAN FRANCISCO. N Market, second lot east of the Hobart Bldg.
Two-story and basement reinforced concrete class C store and loft building.
Owner—Providence Securities Co.
Architect—Willis Polk & Co., Hobart Bldg., San Francisco.

Contracts Awarded.
STORES Cost, $——
SAN FRANCISCO. W Mission St. bet. Seventeenth and Eighteenth Sts.
Two-story and mezzanine Class C store and loft building.
Owner—Mission Realty Co.
Architect—A. J. Horstman, 304 Anglo Bldg., 16th and Mission Sts., San Francisco.
Concrete Work and Grading to Andrew Lynch, 291 15th Ave., $12,750.
Carpentry Work to L. A. Hinson, 1228 Grove St., $5,370.
Plumbing to Albach & Mayer, 85 Dorland St., $745.

Figures Being Taken for Concrete and Carpenter Work.
OFFICE BLDG. Cost, $——
SAN FRANCISCO. SE Sutter and Taylor Streets.
Six-story steel, brick and concrete office building.
Owner—J. S. Morgan.
Architect—M. V. Politeo, First National Bank Bldg., San Francisco.

Contract Awarded.
ADDITION Cost, $40,000
SAN FRANCISCO. NW Embarcadero and Jackson Street.
Three-story and basement reinforced concrete addition to present building for offices, garage and lofts.
Owner—Wellman Peck Co., 311 Embarcadero, San Francisco.
Architect—J. E. Krafft & Sons, Phelan Bldg., San Francisco.
Contractor—Hannah Bros., 142 Sansome St., San Francisco.

Segregated Figures Being Taken.
STORE Cost, $25,000
SAN FRANCISCO. N Geary Street 80 W Leavenworth Street.
One-story and mezzanine floor reinforced concrete store building.
Owner—Fred Larsen, 128 Sutter St., San Fraancisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
The contracts will be awarded this week.

Plans to be Prepared.
OFFICE BUILDING Cost, $1,250,000
SAN FRANCISCO. SE Market and Beale Sts.
Class A office building 137-6x137-6.
Owner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.
Architect—Not selected.
Preliminary sketches are being prepared in the Company's Engineering Department, but in all probability an architect will be selected shortly.

Plans Being Figured.
OFFICE BLDG. Cost, $——
LOS ANGELES, Cal. SE Sixth and Lebanon Sts.
Six-story and basement Class A store and office building, 50x114 (2 stores and 60 offices).
Owner—John L. Richardson.
Architect—C. M. Hutchison, 427 Security Bldg., Los Angeles.
Figures are being taken for a general contract, plumbing, heating and sprinkler system.

Contract Awarded.
BUILDING Cost, $9359
SAN JOSE, Santa Clara Co., Cal.
One-story reinforced concrete building.
Owner—L. C. De Carli, 81 S-River St., San Jose.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—John Gaics.

Contractor Taking Sub-figures.
STORES & OFFICES Cost, $40,000
SAN FRANCISCO. SE Geary and Larkin Sts.
Two-story and basement brick store, market and doctors' offices.
Owner—Dunn-Williams Co.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—John Spargo, 240 Montgomery St., San Francisco

To be Done by Day's Work.
STORES, ETC. Cost, $20,000
COLUSA, Colusa Co., Cal.
One-story reinforced concrete store and Post Office building, 80x100.
Owner—G. W. Rodehaver, Colusa, Calif.
Architect—Owner.

Sketches Prepared.
OFFICE BLDG. Cost, $1,600,000
SACRAMENTO, Cal. SW Tenth and J Streets.
Eight or ten-story Class A office building.
Owner—California State Life Insurance Company.
Architect — E. C. Hemmings, Ochsner Bldg., Sacramento.
NOTE:—Although Mr. Hemmings has prepared sketches he has not been selected as the architect.

THEATRES

Contract Awarded.
ALTERATIONS Cost, $13,365
SAN FRANCISCO. W Third St. 25 S Minna St.
Alterations and additions to one-story brick theatre building.
Owner—Aaron Goldberg.
Architect—Albert W. Burgren, 110 Sutter St., San Francisco.
Contractor—G. Petterson, 251 Kearny St., San Francisco.

Plans Being Figured.
THEATRE Cost, $500,000
OAKLAND. E Broadway near 19th.
Class A theatre building (2300 seats).
Owner—Orpheum Theatre Co.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.
The following two contracting firms are figuring: Dinwiddie Construction Co., Crocker Bldg., and MacDonald & Kahn, 130 Montgomery St., S. F.

DAILY PACIFIC BUILDER

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560 MISSION STREET SAN FRANCISCO, CAL.

Official Proposals

BIDS WANTED FOR REMODELING BRICK BUILDING

NOTICE TO CONTRACTORS

SEALED PROPOSALS, indorsed "Proposals for the remodeling of Quarters M-1; quarters for the Commandant of Marines, Mare Island, California, Specification No. 4593" will be received at the Public Works Office, Navy Yard, Mare Island, California, **until 11 o'clock A. M., April 19, 1922,** and then and there publicly opened, for remodeling and rebuilding the two-story brick and frame quarters covering an area of about 51' x 72' at the Navy Yard, Mare Island, California. This quarters has been damaged by fire and the work contemplated consists of the removal of certain fire damaged partitions, floors, stairs, roofing, plastering, millwork and certain other undamaged partitions, millwork, porches, etc., together with the rebuilding of the building with alterations and additions. The foundations are of brick and concrete, the exterior walls and certain interior partitions are of brick, but the interior framing is of wood. The rooms will be plastered and the tin covered roof will be rebuilt and relayed on the existing lines. The first story is 12'-4" from floor to ceiling and the second story is 11'-1½" from floor to ceiling. Drawings and Specification No. 4593 may be obtained on application to the Commandant, Navy Yard, Mare Island, California. Deposit of a check or postal money order for $10.00 payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and Specification. L. E. GREGORY, Chief of Bureau. March 31, 1922.

BIDS WANTED FOR INFIRMARY BUILDING

NOTICE TO CONTRACTORS

OFFICE CONSTRUCTING QUARTERMASTER, FORT MASON, SAN FRANCISCO, Calif., April 3, 1922—Sealed proposals, in triplicate, for constructing an Infirmary, including all utilities, at Benicia Arsenal, Benicia, Calif., will be received here until 11 A. M., April 21, 1922, and then opened. Plans, etc., furnished on application. Ten Dollars ($10.00) deposit required to insure return of plans, etc.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on May 1, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Lake County, between Westerly Boundary and Upper Lake (I-Lak-1b-A) about nine (9.0) miles in length, to be graded.

San Bernardino County, between San Juan and Santa River (V-SBt-2-A), about four and [illegible] (4.5) miles in length, to be paved with Portland cement concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated.

> A call for bids published in this section indicates that bids are desired from other than local bidders. Maximum competition is desired, and this is assured through BUILDING AND ENGINEERING NEWS which reaches every worth-while contractor and materialman in Central and Northern California who bids on public work.
>
> **Rate:** 10 cents per line, per insertion.
>
> All official calls for bids of the California State Highway Commission and Nevada State Highway Commission are published in this section.

The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated April 3, 1922

NOTICE TO CONTRACTORS
(School, Septic Tank and Drainage System; estimated cost, $30,000)

NOTICE IS HEREBY GIVEN That the undersigned as trustees of the Meridian Grammar School District, Meridian, Sutter Co., Cal., will receive **up to the hour of 1.30 o'clock P. M., Saturday, April 22, 1922,** sealed bids for the construction of a Grammar School Building, also septic tank and drainage system. All to be on the property of the Meridian School District, Meridian, Sutter Co., Cal., and to be in accordance to plans and specifications for same prepared by Chester Cole, Architect, Chico, Cal.

Plans may be seen at the residence of C. E. Reische, Meridian, Cal., Clerk of the Board of Trustees of Meridian Grammar School, or at the Architect's Office, Chico, Cal.

Each bid shall be accompanied by a check certified by a responsible bank for the amount of 10% of bid as provided for in said specifications.

The Board of Trustees reserves the right to reject any or all bids.

Bids to be sent to or filed with C. E. Reische, Clerk of the Board. Bids will be opened at the Meridian Grammar School Building.

C. E. REISCHE,
Clerk.
W. L. STEPHENS,
C. C. MESSICK,
Trustees of Meridian School District, County of Sutter, State of California.

NOTICE TO CONTRACTORS FOR CONSTRUCTION OF ADDITION TO PALO ALTO PUBLIC LIBRARY

The Library Board of the City of Palo Alto in the County of Santa Clara, State of California, invites and will receive at its office, corner of Bryant St. and Hamilton Ave., Palo Alto, California, **up to the hour of 7:30 P. M., April 17, 1922,** at which time and place said bids will be opened, sealed proposals for furnishing all the necessary materials, tools, and labor for constructing an addition to the Palo Alto Public Library, on the corner of Bryant St. and Hamilton Ave., City of Palo Alto, in accordance with plans and specifications and conditions now on file in the Palo Alto Public Library, corner of Bryant St. and Hamilton Ave., Palo Alto, California.

Copies of said plans and specifications and conditions may be obtained from the office of Birge M. Clark, 4 Cabrillo St., Stanford University, California, upon depositing the sum of Ten ($10.00) Dollars, and must be returned within six days or the said deposit may be forfeited and turned into the treasury of the said Library Board.

Bids must be made on proposals obtained at the office of the Architect and be signed by the bidder, accompanied by a certified check for at least ten per cent (10%) of the amount of the bid or proposal, certified to by some responsible bank or banker and made payable to Willis C. Thoits, President of the Library Board, to be retained by the said Library Board as agreed and liquidated damages should the party, or parties to whom the contract shall be awarded fail to enter into the contract after the award, or to give bonds required for the faithful performance of the contract, or any bond required by law.

The Library Board reserves the right to reject any and all bids.

By order of the Library Board of the City of Palo Alto, County of Santa Clara, State of California.

WILIS C. THOITS,
President of said Library Board.
Palo Alto, Calif., April 3, 1922.

NOTICE TO CONTRACTORS
(Alterations and Additions to Garage)

Office of the Clerk of the Board of Supervisors, Alameda County, California.

Sealed bids will be received by the Clerk of the Board of Supervisors of Alameda County, at his office, **until Monday, May 1st, 1922, at 10 o'clock A. M.** (the day when said bids will be opened and the contract awarded) for

Alterations and additions to a one-story brick garage building located on the southerly side of Fourth street, between Broadway and Washington streets, City of Oakland, Alameda County, California.

Plans and specifications on file in the office of the County Clerk open to inspection. Copies may be obtained by depositing ($10) ten dollars. Contractors will be restricted as to the length of time these plans may be retained to ten days. Contractors failing to return said plans and specifications within said time limit will forfeit the deposit.

Each bid must be accompanied by a check for at least ten per cent of the amount of the bid or proposal, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board, to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or to give the bond required by the Board of the faithful performance of the contract.

The Board reserves the right to reject any or all bids.

(SEAL) GEO. E. GROSS,
Clerk of the Board of Supervisors of the County of Alameda.
Dated: April 3, 1922.

NOTICE TO CONTRACTORS
(Grass Valley High School)

Pursuant to an order made this 3rd day of April, 1922, Notice is Hereby Given, by the Board of Trustees of the Grass Valley High School District, County of Nevada, State of California, that bids will be received by said Board, for the erection of certain work, as specificed below for High School Building at Grass Valley, County of Nevada, State of California.

Plans and specifications may be obtained from William Mooser and Horace G. Simpson, Associated Architects, Nevada Bank Building, San Francisco, California.

A deposit of Twenty Dollars ($20.00) will be required for each set of plans and specifications.

Sealed bids will be received for the general work.

All bids will be opened by the said Board of Trustees **on the 19th day of April, 1922, at 8 o'clock P. M.,** at the Public Library Building, at Grass Valley.

All bids must be submitted on forms prepared by, and which will be furnished on request by the Architects.

All bids must be sent or handed to the Clerk of said Board of Trustees, on or before said hour and day and enclosed in sealed envelopes and marked on the outside, "Bids for ——— work for proposed High School Building at Grass Velley, California.

All bids must be accompanied by cash, a bidder's bond, certified check, or a certificate of deposit, equal to ten per cent (10 per cent) of the amount of bid, and made payable to the President of the High School Board of Trustees, and to be returned to the party or parties whose bid or are not accepted, and to the party whose bid is accepted, upon his entering into a contract with the said Board as representing the High School District, and giving such bonds as may be required by law and the said Board of Trustees.

The Board of Trustees reserves the right to reject any and all bids, or any or all items of such bids, and to waive any informality in any bid received.

A. B. CHAMPION,
Clerk of the Board of Trustees of the Grass Valley High School District, County of Nevada, State of California.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on April 17, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Sonoma County, between Santa Rosa and Beltane (IV-Son-51-A), about eleven and seven-tenths (11.7) miles in length, to be paved with bituminized macadam.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated March 20, 1922.

BIDS WANTED FOR METAL SHELVING

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., March 17, 1922.—SEALED PROPOSALS will be opened in this office at 3 P. M., April 28, 1922, for metal shelving for the United State Post Office, Custom House, and Court House buildings at Honolulu, T. H. Drawings and specifications may be obtained from the Superintendent of Construction of the building at Honolulu, T. H., from J. W. Roberts, Supervising Superintendent of Construction, Room 403, Post Office and Court House, San Francisco, Calif., or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

BIDS WANTED FOR STEAM HEATING SYSTEM FOR HOSPITAL

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received by the Board of Supervisors of San Mateo County, California, **up to Monday, the 17th day of April, 1922, at 10 o'clock A. M.,** for the completing of the steam heating, ventilation, steam boiler plant and refrigeration for the new County Hospital building, now being erected at Beresford, in San Mateo County, California, all to be in strict accordance with the plans and specifications as prepared by Will H. Toepke, Architect, and on file (as filed March 20, 1922) in the office of the Clerk of said Board to which bidders are referred.

Estimates will be received in accordance with the specifications and plans as filed.

Bidders will be required to submit with their proposal a certified check or certificate of deposit on some responsible Bank or Trust Company in the sum of ten (10) per cent of their bid, said check to be made payable to the County Treasurer of the County of San Mateo, and will be held as security that the bidder will enter into a written contract with the Board of Supervisors of the County of San Mateo, if awarded the contract, within ten (10) days from date of award. In the event of a breach in the terms under which this check is held, the said check or certificate of deposit will be cashed and the proceeds thereof placed to the credit of the building fund of said County of San Mateo, payments of all claims for labor and material furnished on the work.

The successful bidder will further be required to give a bond from a satisfactory Surety Company in the sum of fifty (50) per cent of his contract price, conditional for the faithful performance of his contract within the time limited, and to further insure the payment of all claims for labor and material furnished on the work.

The successful bidder will also be required to protect the County against liability arising under the Workmen's Compensation Act and against any and every contingency under which the County might be held liable during the progress of all work connected with the construction of said Hospital Building.

The contract will provide for the retention of twenty-five per cent of the contract price for thirty-five (35) days after the completion of the work, and the filing of the notice of completion thereof.

Sealed estimates should be filed with the Clerk of the Board of Supervisors.

The said Board of Supervisors of said County hereby reserves the right to reject any and all bids.

Plans and specifications can be seen and secured at the Architect's office at Room 707, 942 Market Street, San Francisco, California.

All bidders estimating on the work will be required to deposit with the Architect the sum of twenty-five (25) dollars in check or cash on securing the plans and specifications. This amount to be returned to the Contractor when plans and specifications are returned in good condition.

By order of the Board of Supervisors.
ELIZABETH M. NASH,
Clerk.

Dated. March 20, 1922.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received by the undersigned **on April 12, 1922,** for constructing portions of the State Highway System as follows:

(1) Bids received until, and opened at 1.00 P. M., for placing Gravel Surface in Pershing County from Zola to Humboldt House.

(2) Bids received until, and opened at 2.30 P. M., for grading, construction of culverts, and placing gravel in Douglas County—from 6.06 miles north of Minden to 8.43 miles north.

(3) Bids received until, and opened at 4 P. M., for grading, construction of culverts, and concrete paving 15 feet wide, 6 inches thick, in Ormsby County—from Carson City to Lakeview.

Plans may be examined and form of proposal, contract and specifications secured at office of undersigned. May also be examined at the County Clerk's Office in Lovelock, for Pershing County work, in Minden for Douglas County work, and in Carson City for Ormsby County work. Cash deposit of fifteen dollars ($15.00) with undersigned required for copy of plans, which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department, and must be accompanied by a certified check in the amount of 5% of the bid.

Each bidder must accompany his bid with a certificate from a Surety Company, duly authorized to do business in this State, stating that such Surety Company will provide said bidder with a bond in such sum as is required and in accordance with the provisions of said Specifications, conditioned for the faithful performance of the provisions of the contract and specifications.

Right is reserved to reject any or all bids.

GEO. W. BORDEN,
State Highway Engineer, Carson City, Nevada.

NOTICE TO CONTRACTORS

(Boiler Plant Additions and Electric Distributing System)

Sealed bids will be received up to 8 P. M. of April 24, 1922, by the Board of Trustees of the Kern County Union High School District, Bakersfield, Cal., for furnishing all materials and labor for and the erection and completion of additions to the Boiler House and a Complete Electrical Distributing System to be installed in said addition in accordance with plans and specifications on file with the Clerk of said Board and open for the inspection of bidders. Copies of said plans and specifications may be had at the office of the Architect, Charles H. Biggar, 405 First National Bank Bldg., Bakersfield, and the work will be done under his supervision.

All bids must be accompanied by a certified check in the amount of at least ten (10%) per cent of the amount bid, such check to be made payable to the Kern County Union High School District and same will be held as evidence of good faith that the successful bidder will enter into contract for the proposed work and in addition thereto will furnish good and sufficient bonds therefor.

Bids will be received separately or as a whole. The Board of Trustees reserves the right to reject any or all bids and to waive any informality in any bid received.

By order of the Board of Trustees, Kern County Union High School District, Kern County, Calif.

E. W. OWEN,
President.
W. J. WALTERS,
Clerk.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SAN DIEGO, Cal.—City Council has passed resolution appropriating $12,000 for dredging at foot of Beech St. and removing of old piling in bay.

FULLERTON, Cal.—Garden Grove Farm Centre members favor voting $100,000 bonds for drainage system. Edw. A. Chaffee is president.

SACRAMENTO, Cal.—Supervisors petitioned to construct bridge over the American river in vicinity of Elvas Station. Drury Butler, county surveyor.

SEATTLE, Wash.—Until April 28th, bids will be received by Board of Public Works to construct foundation piers of projected double leaf trunion bascule bridge to span west waterway at Spokane St.; leaves of the 570-ft. structure will require 8 concrete piers, 4 shore piers and 2 in stream to rest on piling.

OAKLAND, Cal.—Council, Eugene K. Sturgis, City Clerk, has appropriated $6043 to finance excavation, hauling and depositing of material for an earth and rock wall, a part of the Lake Merritt development.

SEELEY, Cal.—County Highway Commission has decided to construct a new bridge across New River, southwest of Seeley.

MARYSVILLE, Yuba Co., Cal.—Supervisors of Yuba and Sutter counties acting jointly, agree to make general repairs on Feather river bridge. Creosoted timbers will be replaced, the structure painted and a concrete floor placed.

GRANITE CREEK, Ariz.—L. C. Lachmet, Albuquerque, N. M., awarded contract at $24,523.59, for constructing a reinforced concrete bridge at Granite Creek on state highway.

OROVILLE, Butt Co., Cal.—J. L. Webster, Modesto, at $1,135, awarded contract by supervisors to construct bridge over Kister slough.

IRRIGATION PROJECTS

GRENADA, Siskiyou Co., Cal.—Until April 19, 1 P. M. bids will be received by Victor Bovo, secretary, Grenada Irrigation District to construct 24-in. steel pipe line—same being discharge pipe from District's Third Lift Pumping plant.

As previously reported bids will be considered on April 12 for constructing irrigation ditch. Fred H. Tibbetts, 1320 Alaska Commercial Building, San Francisco, engineer.

PHOENIX, Ariz.—The $2,000,000 bond issue of the Auxiliary Eastern Canal Irrigation District will be offered for sale April 14, and if a satisfactory bid is received the district will advertise for bids for construction of the project. Howard S. Reed and Sheldon K. Baker, 419-420 Fleming Bldg., Phoenix, are the engineers. District contemplates construction of main canal 22 miles long, cement lined, excavating approximately 213,200 cu. yds.; lateral system 110 miles in length, excavating approximately 171,200 cu. yds., drilling of 34 new wells approximately 200 ft. in depth and rehabilitation of 31 wells at present within boundaries of district, all to be equipped and operated by electricity; a main pumping station consisiting of four units, capacity 87½ second ft. each, to pump the water from the Eastern Canal of the Salt River project to the head of the canal on the mesa above, under a head of 52 feet.

WHEATLAND, Yuba Co., Cal.—Farmers in Bear River Section contemplate formation of irrigation district comprising about 27,000 acres. Interested in the project are: W. H. Carlin, Marysville; J. L. Cleek and Excelsior Water Co., of Nevada County, and members of the Sutter-Yuba-Nevada Irrigation project.

MACHINERY

SAN FRANCISCO—Bethlehem Shipbuilding Corporation, at $40,938 awarded contract to repair Pacific Mail liner Creole State. Hanlon Drydock & Shipbuilding Co. bid $53,000.

WALLA WALLA, Wash.—Western Engineering Corporation submits low bids to the Council to furnish 5000 ft. steel pipe for water system extensions. Bids, according to length of pipe, were: $1.99; $1.90; $1.98 and $1.88.

OAKLAND, Cal.—Council appropriates $575 to purchase one 50 H. P. 1800 R. P. M., 2200 volt, 60 cycle, 50° induction motor with starter. Eugene K. Sturgis, city clerk.

LOS ANGELES, Cal.—Until 3 p. m., April 7, bids will be received by board of public service, 207 S Broadway, for wrought galvanized steel water pipe, with threads and couplings in quantities as follows: 10,000 ft. ½-in., 100,000 ft. ¾-in., and 25,000 ft. 1-in. Specifications 600-D.

Until 3 p. m., April 14, bids will be received for standard dipped, bell and spigot cast iron water pipe, f. o. b., Los Angeles, in quantities as follows: 8000 pieces 4-in. class B. 12-ft. length, weight to be 250 lbs. per 12 ft. or 340 lbs. per 16 ft.; 4000 pieces 6-in. class B 12-ft. length, weight to be 400 lbs. per 12 ft. or 520 lbs. per 16 ft.: total tonnage each 1040 and 800, respectively; destination, Enterprise Street yard. Specification No. 600-C. Jas. P. Vroman, secretary.

SAN JOSE, Santa Clara Co., Cal.—Stuart S. Smith & Co., 625 Market St., San Francisco, at $5800 awarded contract by Supervisors to furnish 5-ton truck for Road District No. 5. Other bids: Harrison P. Smith, $6287.50; J. E. Sloan (1) $5838; (2) $5562.80; (3) $6005.68, (4) $6260.75; Normandin-Campen Co., $6173; Artana-Geoffroy Co., (1) $5384.20; (2) $4995; The City Store, $5260; E. D. Seifert, $5800; Sterling Motor Truck Co. (20% dis.), $6250; Mack International Motor Truck Corp., $6165.07; Mack International Motor Truck Corp., $5765.16; Autocar Sales & Service Co., $5043.70.

Engineers and Contractors
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RAILROADS

SAN FRANCISCO—Board of Public Works awards contract as follows, for furnishing and delivering equipment for Municipal Railways (Contract 125):

Westinghouse Traction Air Brake Co., 65 Market St., for furnishing air brake equipment for $541 per car, with spare compressor at $326; total $11,363.73. Under Section D.

Motor Equipment, Westinghouse Electric & Mfg. Co., 1st National Bank Bldg., $2360 for each complete equipment and $2,303.66 for spare parts; total $49,505.66. Section C.

Trucks to American Car Co., St. Louis, Mo., at $1,312.50 each, f. o. b. Philadelphia, spare parts, $707; total $26,957. Section B.

Car bodies to American Car Co., St. Louis, Mo., f. o. b. cars at San Francisco, $5,187 each; total $103,740. Section A. Bid of St. Louis Car Co., under this section was rejected as it was not signed.

SAN FRANCISCO—Until April 12, 3 P. M., bids will be received by Board of Public Works for installing reinforced concrete trolley poles and electrical conductors for Taraval street extension of Municipal Railway bet. 33rd and 48th avenues; estimated cost $10,000. Under Contract No. 131. Bond of $2500 required of successful bidder. Specifications may be had from City Engineer's office, 3rd floor, city hall.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

SACRAMENTO, Cal.—Bids were opened on April 3rd, by the State Highway Commission for paving with Portland cement concrete or asphaltic concrete, 12.3 miles of highway in Riverside County between Banning and Whitewater. (a) concrete base; (b) asphaltic base:

*Lee-Moor Contracting Co., El Paso, Texas, (a) $177,880; (b) ——.
Southwest Paving Co., Los Angeles, (a) $198,107.50; (b) $270,997.50.
xP. L. Burr, San Francisco, (a) $226,889; (b) $226,209.
W. A. Kittlewell & Sons, Kingsburg, (a) $203,197; (b) ——.
Kaiser Paving Co., Oakland, (a) $207,545; (b) ——.
W. T. Ellington, Los Angeles, (a) $212,258; (b) ——.
Billon-Patterson & Downs, (a) $219,967; (b) ——.
Guy S. Atkinson, Los Angeles, (a) $233,877; (b) ——.
Warren Construction Co., Oakland, (a) $242,767.50; (b) ——.
H. E. Cox, Pasadena, (a) $254,479; (b) ——.
E. M. Morgan, Everett, Wash., (a) $281,828; (b) ——.
Geo. R. Curtis, Los Angeles, (a) $292,221; (b) $286,846.
Federal Construction Co., San Francisco, (a) ——; (b) $278,032.
Engineer's estimate, (a) $208,712.50; (b) $280,612.50.
* Low on (a); and x low on (b).

BERKELEY, Alameda Co., Cal.—T. E. Clinch, 668 9th St., Richmond, at $694, awarded contract to construct 6-in. vitrified sewer in portions of Allston Way.

RICHMOND, Contra Costa Co., Cal.—Council declares intention to improve 29th St. between Cutting Boulevard and Potrero Ave.; grading, paving with 2-course 5-in. asphaltic concrete; concrete curbs, gutters and walks; galvanized steel curb bars; corrugated iron or steel and cement concrete culverts; concrete wingwalls. Imp. Act 1911. Protests April 17.

Intention declared to improve portions of Bush, Pine and Emeric Aves., and Hayes, 24th, 25th, 26th and 27th Sts.; grading, paving (16-ft. wide) with 2-in. quarry dust base and 1-course asphaltic concrete 4-in. pavement; concrete portals and corrugated iron or steel and concrete culverts; 6-in. vitrified sewers; brick and concrete manholes, etc. Imp. Act 1911. Protests April 17. H. D. Chapman, city engineer.

SACRAMENTO, Cal.—City Engineer Albert Givan, outlines plans whereby all water-bound macadam paved streets might be resurfaced.

ANAHEIM, Cal.—Trustees order paving of Clementine St. between Broadway and Chartres Sts.

SACRAMENTO, Cal.—City Engineer Albert Givan, completing specifications for subway under north levee of city at 16th street—these to be used in connection with hearings which the State Railroad Commission will hold regarding the improvement. S. P. Co. opposes plan, initiated by former City Commission, which will cost $60,000—the expense to be borne by the city and railroad.

LOS ANGELES, Cal.—Council declares intention to change the grade in Fifth St. between Beacon St. and Pacific Ave., in Mesa St. between 2nd and 6th Sts., Nelson St. between 5th and 6th Sts., Centre St. between 2nd and 6th Sts., Palos Verdes St. between 2nd and 6th Sts., Beacon St. between 2nd and 5th Sts., 4th St. between Harbor Blvd. and Pacific Ave., and between 4th and 5th Sts.; and the improvement of the following streets: Fifth, Third, Mesa, Nelson, Centre, Palos Verdes, Beacon and 4th Sts.; and Harbor and Pacific Aves., and portions of other streets in San Pedro; 1913 Act.

NATIONAL CITY, Cal.—Council declares intention to improve 18th St. between Highland and P Aves. by grading. C. B. Ireland, city engineer.

SAN DIEGO, Cal.—City Engineer instructed to prepare plans and specifications for grading Kettner Blvd. near the waterfront.

SAN PABLO, Contra Costa Co., Cal.—W. F. Edwards, Oakland, low bidder to construct San Pablo Sanitary District sewer allowed to withdraw bid and contract let to Heafey, Moore & McNair, 22 Mesa St., Oakland, at $31,316.

BURLINGAME, San Mateo Co., Cal.—Until April 17, 5 P. M., bids will be received by J. R. Murphy, city clerk, to improve streets in Burlingame Terrace, grading, concrete paving, sewers, manholes, etc. Imp. Act. 1911 and Bond Act 1915.

GLENDALE, Cal.—Cornwell & Henderson, Grendale, low bidders for improving Justin Ave. between Glenwood and Eighth Sts. at 92c ft.; 1090 ft. grading, 5c ft.; 31,400 ft. oil and surface, 50c ft.; 2222 ft. curb, $1.30 ft.; laying 4-in. water pipe. Peter L. Ferry bid $1 grade, 5¼c oil and surface; 50c curb; 18c walk; $1.20 pipe.

Cornwell & Henderson, Glendale, low bidders for improving Lexington Drive between Pacific and Chester Aves., at 4¾c ft. 17,800 sq. ft. resurfacing; 20c ft. 79 sq. ft. walk; $1.30 laying water pipe. Peter L. Ferry bid $5½c resurfacing, 50c curb, 19c walk, $1600 pipe complete.

SANTA ANA, Cal.—Until 11 A. M., April 18, bids will be received by supervisors for road work as follows:

Huntington Beach Blvd., between Huntington Beach city limits and Talbert Road, 1¼ miles, and between Westminister and Huntington Beach Blvd., ¼ mile, to be paved with Willite. Total estimated cost, $36,000.

Huntington Beach Blvd. between Wintersburg and Talbert Roads, 1 mile, and between Westminister and Bolsa Roads, 1 mile, paving with concrete 18 ft. wide. Estimated cost, $40,000.

Grand Ave. between Buena Park and Northham, 1 mile, paving with asphaltic concrete 18 ft. wide. Estimated cost, $19,000.

Browning Ave. E of Tustin from Irvine Blvd., N 1½ miles, grading and surfacing with rock and oil. Estimated cost, $5,000.

Golden West Ave. between Talbert Road and Slater Ave., grading. Estimated cost, $2500. J. L. McBride, county road commissioner.

MONTEREY, Monterey Co., Cal.—Until April 11, 7 P. M., bids will be received by council, A. J. Mason, city clerk, to improve Franklin St. between Alvarado and High St. by grading, paving with 4-in. cement concrete and 2-in bituminous concrete surface; and between High and Cedar Sts., by grading and paving with 5-in. cement concrete, concrete curbs and sidewalks; catchbasins; reconstructing manholes, etc. H. D. Severance, city engineer.

PASADENA, Cal.—deWaard & Cobnam, 207 Granger Bldg., San Diego, low bidders at $106,660 for constructing sewer system in San Rafael Hts. The work includes a reinforced concrete bridge to carry main sewer and which is major portion of job.

EAST SAN DIEGO, Cal.—E. Paul Ford, city engineer, will have plans and estimates for a city water distributing system ready for the council shortly. The system will be for domestic and fire use and proposes to take over and improve the Fairmont system if available, to to construct an entirely new one.

OAKLAND, Cal.—Petitions presented to supervisors seeking construction of a road by Contra Costa and Alameda counties from eastern Oakland and from San Leandro into the Moraga Valley. Geo. A. Posey, county surveyor.

LOS ANGELES, Cal.—Due to an error in the proceedings for construction of the Arroyo de la Sacatela storm drain system in Wilshire and Hollywood districts at an estimated cost of $2,800,000, the bids called for on April 10, will have to be re-advertised.

WALLA WALLA, Wash.—Parker & Wood, Bremerton, Wash., at $166,623, low bidders to complete first division of waterworks extension involving the construction of a reservoir of 15,000,000 gallons capacity, necessitating 70,000 cu. yds. excavation, 4000 cu. yds. concrete and a large quantity of pipe fittings, valves, etc. Next low bidder, Pacific Coast Paving Co., $174,046. Ernest Hussey, Alaska Bldg., Seattle, engineer.

SAN DIEGO, Cal.—California Construction Co., 58 2nd St., San Francisco, warded contract at $50,283.09 for paving Roosevelt Memorial Drive near La Jolla. Work involves 2827.5 cu. yds. excavation at 60c; 4529.3 cu. yds. embankment at 90c; 121,070.8 sq. ft. 5-in. concrete paving at 27.7c; 13,025.4 sq. ft. concrete berms at 27.7c; 2001.5 lin. ft. curtain wall at $1.71; 254 ft. guard rail, $508; four culverts, $3435.

BELLINGHAM, Wash.—Until April 12, bids will be received by Whatcom County Commissioner to lay 50,000 cu. yds. of 1-course concrete paving on 5¼ miles, 16 ft. roadway bet. Nooksack and Sumas; estimated cost, $150,000. J. C. Hills, county engineer.

RENO, Nevada—Until April 10, 8 P. M., bids will be received by J. B. Reese, city clerk, to construct 26,251 sq. ft. hydraulic cement concrete sidewalks; 657 lin. ft. hydraulic cement concrete combination curb and gutter; 9,201 lin. ft. hydraulic cement concrete curb. Specifications may be had from City Engineer Harry Chism; deposit of $5.

SACRAMENTO, Cal.—Until April 13, 9 P. M., bids will be received by R. B. Carlton, city clerk, to improve 31st St. between J and P Sts., with concrete curbs and gutters; cast iron gutter drains; concrete protective covering over sewer pipes, grading and paving with 5½ in. asphaltic concrete. Imp. Bond Act 1915.

Separate bids, same date, to improve alley between Portola Way, 5th Ave., 27th St. and Franklin Blvd., by constructing 3 concrete catchbasins; reconstructing 1 concrete manhole; 1-in. water service connections; grading and paving with 5-in. hydraulic concrete. Imp. Bond Act 1915. Albert Givan, city engineer.

SACRAMENTO, Cal.—Supervisors petitioned to build highway from Haggin Grant Hotel to Elvas station. Referred to Highway Maintenance Engineer and County Surveyor for report.

RENO, Nevada—In addition to paving contracts already awarded, the City Council plans to improve the following streets this year: Marsh Ave., Arlington to Forest; Granite St., California to Court; Flint St., Belmont road to Court; Belmont road across Wingfield park to Chestnut; Wheeler Av., Cheney to Crampton; Cheney St., from Wheeler Wells; Well Ave., Roberts to Thoma; California Ave. from Clay to the west line of the Nixon property. Harry Chism, city engineer.

PORTLAND, Ore.—Until April 20, 10 A. M., bids will be received by Bureau of Public Roads, U. S. Department of Agriculture, 316 New Postoffice Bldg., to construct Train-Prospect National Forest road, adjacent to Crater National Forest in Jackson county, approximately 13.6 miles. Principal items of work are: 33.0 acres clearing; 21.5 acres grubbing; 46,000 cu. yds. rock excavation; 55,500 cu. yds. common excavation; 350 cu. yds. class A and 170 cu. yds. class C concrete; 27,000 lbs. reinforcing steel; 3000 lin. ft. culverts; 31,000 cu. yds. gravel or crushed rock surfacing.

SACRAMENTO, Cal.—A. Teichert & Son, Ochsner Bldg., awarded contract by council to improve 15th St. between U and alley between X and Y Sts., concrete curbs, gutters and sidewalks; 10 cast iron gutter drains; reconstructing 5 concrete manholes, grading and paving with 5½-in. asphaltic concrete. Albert Givan, city engineer.

CALIFORNIA.—Until May 1, 2 P. M., bids will be received by State Highway Commission, Forum Bldg., Sacramento, for grading 9.0 miles of highway in Lake County between westerly boundary and Upper Lake. Separate bids, same date, for paving with Portland cement concrete 4.6 miles in San Benito County between San Juan and Pajaro river. **See call for bids under official proposal section in this issue.**

SAN JOSE, Santa Clara Co., Cal.—Until May 1, 11 A. M., bids will be received by Supervisors to improve Trimble road in District 3. Irving Ryder, county surveyor.

WASHINGTON, D. C.—Until April 19, bids will be received by Bureau of Yards and Docks, Navy Department, under Specification 4606, for constructing roads and walks at hospital at San Diego, Calif.

SAN JOSE, Santa Clara Co., Cal.—Wm. Martin, San Jose, at $1,132, awarded contract by supervisors to construct reinforced concrete wall on Penetencia creek on Berryessa road in District 3. Surveyor's estimate, $1,220. Herschbach and Sciarrino, $1,336; Frank Bryant, $1,303.

SAN FRANCISCO—C. B. Eaton, 407 11th St., at $9633, awarded contract by Board of Public Works to improve Folsom St. between Odgen and Tompkins, involving 675 cu. yds. cut; 520 cu. yds. fill; 690 lin. ft. concrete curbs; 4000 sq. ft. artificial stone walks; 6 brick catchbasins; 150 lin. ft. 10-in. culvert; 3920 sq. ft. asphaltic concrete pavement, and 11,800 sq. ft. concrete pavement.

MARTINEZ, Contra Costa Co., Cal.—Until May 1, bids will be received by Supervisors to pave Moraga road, 4.26 miles. Bids will be taken for three types of paving, concrete 15-ft. wide, with submerged curbs; concrete 16-ft. wide, with oil macadam shoulders 2 ft. wide and asphaltic concrete 16½ ft. wide.

Separate bids, same date, to construct oil macadam shoulder on Div. 18 of highway between Danville and San Ramon—for shoulders on highway between Nichols and Pittsburg and for shoulders from Bryon to a point north of Byron. R. R. Arnold, county surveyor.

OROVILLE, Butte Co., Cal.—Coast Rock and Gravel Co., Call Bldg., San Francisco, awarded contract by Supervisors to furnish approximately 100,000 tons of rock, sand and gavel, for use on county highway system. Bids were:

Coast Rock and Gravel Co., f. o. b. Oroville, Fair Oaks and Marysville, rock, $1.00; sand 60c; gravel 50c.

E. B. & A. L. Stone Co., Cordelia plant, f. o. b. Thomason, rock, 90c; sand 50c; gravel, 90c.

Marysville Sand Co., f. o. b. Marysville, rock, ——; sand 50c; gravel, ——. H. H. Hume, county road engineer.

WALLA WALLA, Wash.—Pacific Coast Paving Co., Tacoma, at $176,841 awarded contract to construct water system reservoir, using cast iron pipe in place of wood pipe.

LOS ANGELES, Cal.—City Council has referred to finance committee matter of securing funds for 3,000,000-gal. sewage storage reservoir to take care of outfall outflow; estimated cost $102,000, of which $27,000 is for excavation, $18,000 for concrete lining, $18,000 for wood roof, $4000 for inlet and outlet, $7500 for pump house and equipment. About 54,000 sq. ft. of land will be required.

SONORA, Tuolumne Co., Cal.—J. E. Johnston, Stockton, at $74,823 awarded contract to pave two principal streets. Other bidders: Pacific Construction Co. $76,799; Blumenkranz & Vernon, $79,939 and Frederickson & Shannon, $82,986.

SAN LUIS OBISPO, Cal.—Supervisors reject bids to construct portion of Aliva road between Ontario House and Aliva. Bidders were: Basich Bros., San Luis Obispo (a) 3750 cu. yds. excavation, 60c ;(b) 5500 lin. ft. shaping and rolling 14c; (c) 1360 cu. yds. concrete pavement, $1.46, (d) $4850 lbs. reinforcing steel, 01c.

J. L. Conner, Nipoma (a) 90c; (b) 25c; (c) $6.00; (d) 01c. Warren Burch, County Road Engineer.

SAN DIEGO, Cal.—Warren Constr. Co. low bidder at $113,141 for improving Lytton St., Chatsworth Blvd., Catalina Blvd., Voltaire St. and Rosecrans St., involving 14,419.61 cu. yds. excavation, 14,661.90 cu. yds. embankment; 316,-965.50 sq. ft. paving with Warrenite-bitulithic surface on asphaltic concrete base; 217.10 lin. ft. curb; 3,528 sq. ft. oil gutters; culverts complete; 929 lin. ft. guard rail.

STOCKTON, San Joaquin Co., Cal.—Pacific Gas & Electric Co. will install mains for water service extensions in East street between Weber avenue and Fremont street and in Miner avenue between East street and Merryvale tract. J. H. Fagg, Stockton manager for the company.

REDONDO BEACH, Cal.—Until 8 P. M., May 1, bids will be received by the City Clerk for improving portions of the Strand, by constructing reinforced concrete pavement, reinforced concrete sidewalk on wooden foundation, supported by caps placed on piling, culverts, etc., 1911 Act and 1915 Bond Act, involving 42,458 sq. ft. 5-in. concrete paving with oil protective coat; 3591 lin. ft. class A curb, 14,155 sq. ft. 4-in. sidewalks, 33,080 sq. ft. 4-in. reinforced concrete walk with combination curb on each side of walk 1684 ft. long, 25,-105 sq. ft. 2½-in. reinforced concrete walk on wooden forms supported on 3 pile bents 20 ft. centers, 4 concrete steps, 2954 ft. 1½-in. conduit and 29 lighting standards; estimated cost, $89,375. Victor H. Stabell, City Engineer.

STOCKTON, San Joaquin Co., Cal.—No bids received by council to improve Yosemite street, between Washington and Church. Proceedings under 1911 Bond Act cancelled and new bids will be asked under 1915 Act. W. B. Hogan, City Engineer.

YUBA CITY, Sutter Co., Cal.—Hughes & Murphy, Lois Aapartments, Marysville, at $11,505 awarded contract by Supervisors to construct O'Banion Corners Lateral of county highway system, to be paved with crushed rock surface, 15 ft. wide, 4 in. thick; approximately 2 miles, involving 3500 cu. yds. excavation and 3300 tons crushed rock surface; county to furnish crushed rock f. o. b. cars, Oswald to Tudor, S. P. R. R. Shesson & Lilly, Box 111, Marysville, $11,700, only other bidder, O. W. Lanzendorf, County Road Engineer's estimate, $11,575.

MADERA, Madera Co., Cal.—M. A. Benedict, Forest Supervisor, has requested the Supervisors to appropriate $5,000 as county's share in constructing 26 mile road from Crane Valley to Beasore and Clover Meadows. Will cost $25,000, government to pay $20,000. Bids taken under advisement.

MARTINEZ, Contra Costa Co., Cal.—City Engineer B. H. Green is preparing specifications to pave Jones Corner Road and the D. L. M. tract. Property owners east of Pine street contemplate an extensive paving program, the type of pavement for which is yet to be selected.

WOODLAND, Yolo Co., Cal.—City Engineers instructed to prepare specifications for concrete curbs and gutters in the following streets: North St. from Walnut to S. P. right-of-way; Elliott from Walnut to College; Locust and Elm from Elliott to Clover; Clover from College to Fourth; Fifth from Clover to North; Fourth from Clover to Main; Second from Pendegast to Marshall; Marshall from First to Second, Bartlett from College to Second; Oak from Walnut to McKinley; Cleveland from Main to Pendegast; Elm from Main to Elliott; Walnut from Cross to Clover and Oak from Walnut to Fourth. Following streets will be paved with bituminum pavement; Walnut from Cross to Clover; Oak Ave. from Walnut to Fourth; Laurel from College to Second and Main from present pavement to east city limits.

SAN DIEGO, Cal.—Riley & Peterson, 2245 National Ave., San Diego, low bidders at $46,592.16 to pave Mussey Grade from Foster to Mussey Grove, 2.21 miles with 5-in. concrete pavement. Grading and culvert work has been done under separate contract. The work involves 500 cu. yds. embankment without classification; 3262.16 cu yds. Class A concrete; 2460 lbs. reinforcing steel.

SAN ANSELMO, Marin Co., Cal.—Chambers and DeGolyer, Oakland, at $1,625.24 awarded contract by the trustees to construct 1,200 lin. ft. 8-in. vitrified sewer in Woodland avenue. Other bidders: S. P. Brownlee, San Rafael, $1,717; Thos. A. Geary, Oakland, $1,636; A. F. Sousa, San Anselmo, $1,742; Marlin Murphy, $1,946.

SAN FRANCISCO—Schultz Construction Co., 46 Kearny St., awarded contract by board of public works to improve Liberty St. between Noe and Church, and Sanchez between 20th and 21st Sts.; contract price, $60,811.

City Construction Co., Call Bldg., awarded contract to improve crossing of Forester and Staples, at $2,098.

Jas. Smith, 407 11th St., awarded contract to improve 17th St. between Santiago and Taraval Sts., for $12,867.

REDWOOD CITY, San Mateo Co., Cal.—County Surveyor Geo. A. Kneese is preparing specifications to resurface and repave sections of Pescadero to Santa Cruz county line road north of the sections covered by recent contracts, the cost not to exceed $30,000.

OAKLAND, Cal.—Frank D. Moller, Oakland, at 22½c sq. ft. awarded contract by the Council to construct cement sidewalks in portions of Hopkins street between Sheffield street and Sausal creek.

WOODLAND, Yolo Co., Cal.—County Engineer instructed to prepare estimates of cost to gravel Jefferson Blvd. from end of pavement in West Sacramento to Holland Land Company's headquarters, a distance of 10 miles; through Reclamation District 787, commonly known as River Garden Farms, from Knights Landing to El Eldorado Bend, a distance of 9 miles and the Winters-Monticello road from Reishack to county line.

SEELEY, Cal.—County Highway Commission will start work shortly on 2 miles of pavement near Seeley with surplus road improvement funds in the treasury.

MARTINEZ, Contra Costa Co., Cal.—State Highway Commission estimates cost of constructing sidewalks along state highway between Rodeo and Oleum for use of Union Oil Company employees at $12,834. The estimate was received by the County Supervisors. It is proposed to have the Highway Commission, the county and the oil company to each bear one-third of the cost.

LOS ANGELES, Cal.—City Engineer John Griffin has made tentative estimates for a sewage treatment plant at Ballona creek, caring for 6,000,000 gal. every 24 hours. Cost $512,000, of which $480,000 is for plant $50,000 for land, and $12,000 for connecting pipe lines.

SAN DIEGO, Cal.—Riley & Peterson, 2245 National Ave., San Diego, submitted low bid to supervisors at $46,-592.46, for paving Mussey Grade from Foster to Mussey Grove, 2.21 miles, with 5-in. concrete pavement, involving 500 cu. yds. excavation; 3,262.16 cu. yds. class A concrete; 2400 lbs. reinforced steel. Grading and culvert work has been done under separate contract. Other bids were: National Constr. Co., $51,565.64; Chas. G. Frisbie Co., Los Angeles, $57,790.29; Bent Bros., $60,-993.96; Wells & Bressler, Santa Ana, $64,210.66. Bids referred to Highway Commission.

WATSONVILLE, Santa Cruz Co., Cal.—Until April 18, bids will be received by Board of Aldermen to improve Carr St., Lincoln between Third and Lake, Alexander St., Union, Elm to 3rd; Van Ness, 1st to Lake; 5th, Sudden to Lincoln; Palm, Sudden to Jefferson; Rodriquez Ford St., northwesterly 590 ft.; Wall, Walker to city limits; Maple, Main to Union and Peck St. H. B. Kitchen, city engineer.

Eng. 21

MERCED, Merced Co., Cal.—Supervisors set May 2nd, as date to protest against proposed formation of two road district in which it is planned to make improvements totaling $329,000. J. R. McSwain, engineer in charge.

REDWOOD CITY, San Mateo Co., Cal.—Trustees reject bids to construct sewer in Finger Ave. Bidders were: W. W. Thompson, $13,910; Granite Construction Co., $14,192. C. L. Dimmitt, city engineer.

VALLEJO, Solano Co., Cal.—Until April 20, 12 M., bids will be received by Alf. E. Edgcumbe, city clerk, to construct 480 lin. ft. 6-in. sewer in Louisiana St. between Butte and Tidewater Sts. Certified check 10% payable to city required. T. D. Kilkenny, city engineer.

FRESNO, Fresno Co., Cal.—County Road Engineer Chris. P. Jensen, recommends to supervisors appointment of Harry E. Leyden as superintendent of highway construction and maintenance. Leyden is at present the chief inspector if highways constructed under the 1919 bond issue.

HUNTINGTON PARK, Cal.—All bids received April 4, for improving Saturn Ave. between E city limits and Miles Ave., were rejected by city trustees. Work involves about 22,382 sq. ft. asphaltic paving.

FRESNO, Fresno Co., Cal.—Until Apr. 13, 3 P. M., bids will be received by council to improve Wilson Ave. between Belmont and Olive Aves., in-

volving 118,128 sq. ft. grading; 89,501 sq. ft. paving; 4125 lin. ft. curb; 13.944 sq. ft. walks; 110 lin. ft. 12-in. and 340 lin. ft. 18-in. reinforced concrete box culverts; 10 lin. ft. corrugated metal culvert and 10 manholes. Wm. Stranahan, city engineer.

RED BLUFF, Tehama Co., Cal.—Hart Construction Co., Gerber, Calif., at $49,640, awarded contract to pave Main and other streets. Project includes construction of bridge costing $6750. W. F. Luning, city engineer.

BAKERSFIELD, Kern Co., Cal.—Federal Construction Co., Call Bldg., San Francisco, awarded contract by council to improve Kentucky St. bet. Baker and Gage streets. Approximately $27,000.

REDWOOD CITY, San Mateo Co., Cal.—W. W. Thompson, Redwood City, at $4,885, awarded contract by trustees to improve Brewster, Arch and Duane Sts. in Redwood Highlands. C. L. Dimmitt, city engineer.

OROVILLE, Butte Co., Cal.—City Engineer S. J. Norris, preparing specifications to pave Veatch St. between Robinson and Osage streets.

SAN DIEGO, Cal.—Fairchild-Gilmore-Wilton Co., low bidder at $25,092.42, for improving 8th St. between B St. and Balboa Park, and A St. between 7th and 8th Sts.

PETALUMA, Sonoma Co., Cal.—Until April 17, 8 P. M., bids will be received by Lyman Green, city clerk, to improve Edith St. between East D and Jefferson St., grading, concrete curbs and gutters, macadamizing with broken rock and oiled. N. S. Frost, city engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—Council plans to construct sewer in Alta Ave. between Woodrow and Columbia St. James K. James, city enginner.

SANTA ROSA, Sonoma Co., Cal.—Due to decision of courts affecting road work, supervisors reject bids received to construct Section B of Jenner highway. R. Press Smith, county surveyor.

SANTA ANA, Cal.—Steele Finley, Santa Ana, submitted low bid of $7.50 per ton for 600 tons asphaltic concrete mixture for resurfacing Garden Grove Ave., Sec. 2, 2nd Road District. Geo. R. Curtis bid $8.

SAN DIEGO, Cal.—Warren Construction Co., low bidder at $113,144.63, for improving Lytton St., Chatsworth Blvd, Catalina Blvd., Voltaire St. and Rosecrans St., involving 14,440 cu. yds. excavation; 14,002 cu. yds. embankment; 388,575.7 sq. ft. Warrenite-bitulithic surface on asphaltic concrete base; 2019.62 lin. ft. curb; 3528 sq. ft. oiling existing gutter; 920 lin. ft. guard rail culverts complete, at $3129. Federal Construction Co. bid $118,763.79.

TAFT, Cal.—No bids were received by city trustees, April 3, for street improvements involving 10,000 sq. ft. grading and oiling; 60,000 sq. ft. 5-in. concrete gutter; 200,000 sq. ft. cement walk and 40,000 lin. ft. concrete curb. Edw. M. Lynch, Central Bldg., Los Angeles, engineer.

SAN DIEGO, Cal.—Fairchild-Gilmore-Wilton Co., Los Angeles Railway Bldg., Los Angeles, low bidder at $16,271.09 for improving 3rd St. between University and Walnut Sts., involving 95,712.28 sq. ft. 4-in. asphaltic paving. Other bids were: Geo. R. Daley, $16,941.07; California Construction Co., $17,419.63. Bids referred to city manager.

LOS ANGELES, Cal.—Until 10 A. M., April 10, new bids will be received by Board of Public Works for improving Madison Ave. between Lockwood St. and Normal Ave., by paving with Warrenite-bitulithic; Vrooman Act. Work will involve 20,519 sq. ft. paving; 1222 lin. ft. curb; 6295 sq. ft. cement walk; 1522 sq. ft. cement gutter.

SAN FRANCISCO—Board of Public Works requests supervisors to authorize call for bids to construct Section C of Esplanada; estimated cost, $15,000; also for sewer in Great Highway from Noriega street southerly; estimated cost, $14,000. M. M. O'Shaughnessy, city engineer.

MODESTO, Stanislaus Co., Cal.—City Engineer Geo. Freitas, instructed to prepare specifications to resurface 21½ blocks of streets and for paving Sycamore avenue.

SAN RAFAEL, Marin Co., Cal.—County Surveyor Dodge, preparing specifications for road from cross roads at Fallon to Sonoma county line.

SANTA BARBARA, Cal.—Hope and Goleta district residents propose to build a foothill road under road dist. imp. act. County surveyor Owen H. O'Neil has been authorized to make surveys and report to the supervisors.

FRESNO, Fresno Co., Cal.—California Road and Street Imp. Co., Bank of Italy Bldg., at $5490, low bidder to improve Clinton Ave. bet. Wishon and Moroa, involving 22,200 sq. ft. grading; 11,840 sq. ft. paving; 1420 sq. ft. gutter; 710 sq. ft. curb and 3700 sq. ft. sidewalk. Thompson Bros., bid $5546.

Kaufield and Tompkins, 2225 Fresno St., low bidder to construct 15,381 sq. ft. sidewalks in E St. bet. Merced and Calaveras. Frederickson & Shannon bid $3429; Thompson & Fox, $3368. Frederickson & Shannon, Cory Bldg., at $1953, low bidder to improve Alley between L St. and Van Ness, involving 7000 sq. ft. grading and paving. Kaufield & Tompkins, bid $2030. Thompson Bros., $1960.

Frederickson & Shanno at $1953, low bidders to grade and pave 7000 sq. ft. in alley bet. M and N Sts. All bids taken under advisement. Wm. Stranahan, city engineer.

SANTA ANA, Cal.—Until 7.30 P. M., April 17, bids will be received by city clerk, for improving S Parton St. bet. W Walnut St. and Fairview Ave., and S Van Ness Ave. bet. W Camille St. and Fairview Ave., by grading to subgrade, paving with 1½-in. asphaltic concrete on 4-in. concrete base, excavating for house connection laterals, and laying 4-in. vitrified sewer pipes. Work involves 229,675 sq. ft. paving and 1071 lin. ft. sewers and trenches; 1911 Act.

Until 7.30 P. M., April 17, bids will be received for improving W Pine St. between S Flower and S Baker Sts., involving 76,867 sq. ft. regrading and paving with belt finish wearing surface on 5-in. concrete base, and 483 lin. ft. trench excavating and laying 6-in. house branch sewers; 1911 Act. W. G. Knox, city engineer.

COMPTON, Cal.—No bids were received by trustees April 4, for improving Bennett and other streets; also none for work on Arbutus and Terebinth Sts. E. M. Lynch, Central Bldg., Los Angeles, engineer.

PASADENA, Cal.—DeWaard and Cobham, 207 Grainger Bldg., San Diego, were awarded contract at $106,660 for constructing sewers and reinforced concrete bridge in San Rafael Heights.

SAN JOSE, Santa Clara Co., Cal.—Until April 17, 8 P. M., bids will be received by John J. Lynch, city clerk, to improve 16th St. bet. William and San Salvadore; grading, paving with 3-in. asphaltic concrete base with 1½-in. Warrenite Bitulithic surface, concrete curbs and gutters. Wm. Popp, city engineer.

PORTERVILLE, Tulare Co., Cal.—U. S. Forest Service has started work on Capanero Road between California Hot Springs and Jack Ranch, 7 miles in length. F. E. Wooldridge is in charge of construction.

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Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

$3,500 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
1304	Johe	Johnson	10000
1306	Hemminga	Owner	22000
1307	Same	Same	16000
1308	Crocker	Arnott	5800
1309	Harrington	Owner	5000
1310	Furstadt	Arnott	5800
1312	Hawthorne	Swift	8000
1313	Binet	Owner	30000
1317	McDonald	McDonald	14000
1319	Swift	Gibson	28000
1320	Berndt	Williams	25000
1322	Keirns	Madden	3305
1323	Wissman	Meyer	21500
1324	Millard	Owner	4500
1326	Strand	Owner	12000
1327	Larsen	Bjorkman	3000
1328	Deutsch	Munster	11000
1329	Neilsen	Jensen	6000
1331	Turner	Romerer	5200
1332	Figone	Del Favero	32000
1333	Danziger	Sartorio	4420
1334	Maschio	Cuneo	6500
1337	McLaughlin	Reedy	5000
1339	Blum	Owner	10500
1341	Little	Owner	250000
1344	Hamill	Owner	6000
1347	Bothin	Cahill	110000
1356	Delacio	Owner	3600
1358	Warwick	Warwick	24000
1359	Olsen	Olsen	12000
1360	Sloan	Owner	15000
1361	Quinn	Quinn	9000
1362	Phelan	Owner	8000
1365	Cuneo	Owner	16000
1366	McDonough	Owner	16000
1367	Hohngren	Owner	12000
1368	Breen	Hamill	7000
1369	Capelli	Feroni	18450
1370	Duttke	McLean	4800
1371	Ostrander	Albertsen	1600
1372	Geminlani	Montgomery	14342
1375	McColgan	Nolan	4840
1378	Nelson	Owner	8000
1383	Bertram	Meyer	9000
1384	Jensen	Owner	3500
1389	Schroeder	Tarbitt	11600
1390	Raynor	Barker	10000
1393	Mission	Lynch	12750
1394	Same	Hinson	5370
1395	Same	Albach	745
1396	Giorgi	Fontanella	7600
1400	Wellman	Hannah	40000
1401	Larsen	Owner	18000
1403	Wohltmann	Owner	5000
1404	Breeze	Monson	10000
1405	Gunn	Monson	15000
1407	Tadeucci	DeBenedetti	4650
1409	Cederberg	Owner	5000
1411	Scannell	Mooney	4000
1412	Lam	Owner	50000
1413	Gieck	Warden	19676
1414	Kruse	Atlas	2700
1415	Bondeli	Lindberg	6615
1416	Nordlotz	Mager	4292
1424	Dann	Spargo	35000
1425	Parker	Owner	3500
1426	Storheim	Owner	17550
1427	Bertram	Meyer	13420
1428	Chamberlain	Nagel	2579
1429	Goldberg	Patterson	13365

FRAME FLATS
(1305) NE ELEVENTH AVE AND Judah. Two-story and basement frame (4) flats.
Owner—Mrs. Sophie Johe, 1385 Funston Ave., San Francisco.
Architect—Frederick W. Quandt, Monadnock Bldg., San Francisco.
Contractor — Joel Johnson, 180 Jessie St., San Francisco. $10,000

FRAME FLATS
(1305) E ELEVENTH AVE 67-6 N Judah. Two-story and basement frame (2) flats.
Owner—Mrs. Sophie Johe, 1385 Funston Ave., San Francisco.
Architect—Frederick W. Quandt, Monadnock Bldg., San Francisco.
Contractor — Joel Johnson, 180 Jessie St., San Francisco. $5000

APARTMENTS
(1306) NW FULTON AND HEMWAY Terrace. Three-story and basement frame (9) apartments.
Owner—W. L. Hemminga, 47 Ashbury St., San Francisco.
Architect—None.
Day's work. $22,000

FRAME FLATS
(1307) W HEMWAY TERRACE 40 and 75 N Fulton. Two two-story and basement frame flat buildings (2) flats each.
Owner—W. L. Hemminga, 47 Ashbury St., San Francisco.
Architect—None.
Day's work $8000 each

DWELLINGS
(1308) N CHENERY 25 and 50 W Cliff Two one and one-half-story and basement frame dwellings.
Owner—Crocker Estate Co., Crocker Bldg., San Francisco.
Architect—None.
Contractor—Jas. Arnott & Son, 4165 26th St., San Francisco. $2900 each

DWELLING
(1309) N CABRILLO 92-6 W 26th Ave. One-story and basement frame dwelling.
Owner—A. Harrington, 759 26th Ave., San Francisco.
Architect—None.
Day's work. $5000

RESIDENCE
(1310) S DORCHESTER 100 E Claremont Blvd. Two-story and basement frame residence.
Owner—F. Furstadt, Hearst Bldg., S. F.
Architect—Walter Falch, Hearst Bldg., San Francisco.
Contractor—Jas. Arnott & Son, 4166 20th St., San Francisco. $5800

FRAME FLATS
(1312) S GREEN 200 E Pierce. Two-story and basement frame (2) flats.
Owner—Dr. Gawthorne, 708 Phelan Bldg., San Francisco.
Architect—None.
Contractor—J. W. Swift, Kittridge Apartments, Berkeley. $8000

FRAME FLATS
(1313) N PARNASSUS 107-3½, 132-3½, 157-3½, 182-3½, 207-3½ & 232-3½ W Cole. Six two-story and basement frame flat buildings (2 flats each).
Owner—John J. Binet, 336 Church St., San Francisco.
Architect—None.
Day's work $5000 each

FRAME FLATS
(1317) E TWENTY-SECOND AVE 125-4½ and 150-2 S Balboa. Two two-story and basement frame flat buildings (2 flats each)
Owner—R. McDonald, 1049 Treat Ave., San Francisco.
Architect—None.
Contractor—R. M. McDonald, 1049 Treat Ave., San Francisco. $7000 each

DWELLINGS
(1319) E THIRTY-SECOND AVE 90, 120, 150, 180, 210, 240, and 270 N Irving. Seven one-story and basement frame dwellings.
Owner — Ed. Swift, 1372 Mission St., San Francisco.
Architect—R. N. Gibson, 55 5th St., S. F.
Contractor—R. N. Gibson, 55 Fifth St., San Francisco. $4000 each

APARTMENTS
(1320) S BUSH 190 E Pierce. Three-story and basement frame (12) apartments
Owner—Annie and Gus Berndt, 201 Dolores St., San Francisco.
Architect—None.
Contractor — Geo. A. Williams, Room 307, 105 Montgomery St., San Francisco. $25,000

RESIDENCE
(1322) E PHELAN AVE 100 S Staples S 27xE 100 Ptn. Lots 6 and 13 Blk 1, Sunnyside. All work for one-story and basement frame residence.
Owner—W. M. and Blanche Keirns.
Architect—None.
Contractor—Patrick H. Madden, 1527 Jordan Ave., San Francisco.
Filed Mar. 31, '22. Dated Mar. 22, '22
Frame up and side walls up..$826.25
1st coat of plaster on..... 826.25
Completed and accepted..... 826.25
Usual 35 days..... 826.25
TOTAL COST, $3305.00
Bond, none. Limit, 60 days after Mar. 27. Forfeit, none Plans and specifications filed.

(1323) W TWENTY-SECOND AVE AND Cabrillo N 99-5xW 95. All work for five frame residences.
Owner—H. Wissman, 2251 Clement St., San Francisco
Architect—None.
Contractor—Meyer Bros., 5226 Geary St., San Francisco.
Filed Mar 31, '22. Dated Mar. 10, '22.
Frame up $5375
Brown coated 5375
Completed and accepted..... 5375
Usual 35 days..... 5375
TOTAL COST, $21,500
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications, none.

DWELLING
(1324) E UPPER TERRACE 175 S Clifford. One-story and basement frame dwelling.
Owner—Oliver J. Millard, 1407 Noe St., San Francisco
Plans by Owner.
Day's work. $1500

FRAME FLATS
(1326) E SIXTEENTH AVE 104 and 129 N Clement Two two-story and basement frame (2 flats each)
Owner—Strand & Strand, 614 Broderick St., San Francisco.
Architect—None
Day's work $6000 each

FRAME FLATS
(1328) N CLAY 50 E Steiner. Two-story and basement frame (2) flats
Owner—Eva Deutsch, Fanny Deutsch and Augusta Jones, Berkeley.
Architect—None.
Contractor—Munster & Bornholdt, 1530 Broderick St., San Francisco. $11,000

DWELLING
(1329) E HILDAGO bet. 14th and 15th Sts. One-story and basement frame dwelling.
Owner—Edith C. Neilsen, 185 Dolores St., San Francisco.
Architect—None.
Contractor—James Jensen, 55 Valencia St., San Francisco. $6000

RESIDENCES
(1330) E ASHTON AVE 100 N Holloway Ave S 50xE 100. All work for two two-story and basement frame residences.
Owner—Edward W. and Ada M. Bender, 1st National Bank Bldg., S. F.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Wilson & Benson, 336 Ashton Ave., San Francisco.
Filed April 1, '22. Dated Mar. 9, '22.
Rustic wall sheathing and roof sheathing on $2250
Brown coated 2250
Completed and accepted 2250
Usual 35 days 2250
TOTAL COST, $9000
Bond, $4500. Sureties, Chas. Monson & Edwin T. Peterson. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME COTTAGE
(1331) NE OAKDALE AVE 175 SE Newall SE 50xNE 100 Ptn Lots 24 and 25 Blk 290 O'Neil & Haley Tct. All work for one-story and basement frame cottage.
Owner—Stephen A. Turner, 82 Landers St., San Francisco.
Architect—Edw. J. O'Connor, 551 Goettinger St., San Francisco.
Contractor — Christian Bomerer and John Michels, 220 Charter Oak Ave., San Francisco.
Filed April 1, '22. Dated Mar. 23, '22.
Frame up $1300
White coated 1300
Completed and accepted 1300
Usual 35 days 1300
TOTAL COST, $5200
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

APARTMENTS
(1332) N GEARY 30 W Twentysecond Ave W 25xN 100. All work for three-story frame building, stores and apartments.
Owner—August Figone, 827 Filbert St., San Francisco.
Supt.—S. Rasori, 842 Filbert St., San Francisco.
Contractor—Del Favero & Rasori, 189 Jessie St., San Francisco.
Filed April 1, 1922. Dated April 1, '22.
2nd story joists in place $6000
Ready for plaster 6000
Plastering ready for finishing .. 6000
Completed and accepted 6000
Usual 35 days 8000
TOTAL COST, $32,000
Bond, $16,000. Sureties, A. Ruef and A. Delmonte. Limit, 100 days. Forfeit, none. Plans and specifications, none.

ALTERATIONS
(1333) E DIVISADERO 87-6 S McAllister E 104xS 50. Concrete and carpenter work for alterations to one-story concrete building.
Owner—I. D. and C. R. Danziger, 700 Broderick St., San Francisco.
Engineer—L. K. Nishkian, Monadnock Bldg., San Francisco.
Contractor—Chas. Sartorio, 2151 Filbert St., San Francisco.
Filed April 1, '22. Dated Mar. 23, '22.
Monthly payments of 75%
Usual 35 days 25%
TOTAL COST, $4420
Bond, $2210. Sureties, Stephen I Guerin and C. Brunckera. Limit, 35 days. Forfeit, $10. Plans and specifications, none.

DWELLING
(1334) NW AMAZON AND LONDON. One-story and basement frame dwelling.
Owner—A. Mascho, 5097 Mission St., San Francisco.
Architect—John P. Cuneo, 5097 Mission St., San Francisco.
Contractor—J. P. Cuneo and F. Demartini, 5097 Mission St., San Francisco. $6500

DWELLING
(1337) S EIGHTEENTH 75 E Douglass. One-story and basement frame dwelling.
Owner—Mary McLaughlin, 4447 18th St., San Francisco.
Architect—None.
Contractor—Wm. M. Reedy, 267 Ellsworth St., San Francisco. $5000

FLATS
(1339) E FUNSTON AVE 25 S Balboa. Two-story and basement frame (2) flats.
Owner—Leo Blum, 1149 Balboa St., San Francisco.
Architect—Bernard J. Joseph, 74 New Montgomery St., San Francisco.
Day's work. $10,500

APARTMENTS
(1341) SE GEARY AND SHANNON. Ten-story and basement class A (63) apartments.
Owner—M. A. Little, 805 Bush St., San Francisco.
Architect—Edw. E. Young, 251 Kearny St., San Francisco.
Day's work. $250,000

FLATS
(1344) S GEARY 82-6 E Boyce. Two-story and basement frame (2) flats.
Owner—Thos. Hamill, 6140 Geary St., San Francisco.
Architect—None.
Day's work. $6000

BUILDING
(1347) NW HOWARD AND FIRST. Five-story and basement class B printers' and Allied Trades Bldg.
Owner—Bothin Real Estate Co., Room 318, 26 Montgomery St., San Francisco.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Contractor—Cahill Bros., 110 Sutter St., San Francisco. $110,000

DWELLING
(1356) N QUESADA AVE 50 E Jennings. One-story and basement frame dwelling.
Owner—Mr. Delacio, 1408 Quesada Ave., San Francisco.
Architect—None.
Day's work. $3600

APARTMENTS
(1358) SE SACRAMENTO & GOLDEN Court. Three-story and basement frame (6) apartments.
Owner—M. D. Warwick, 3191 Washington St., San Francisco.
Architect—Chas. Skidmore, New Call Bldg., San Francisco.
Contractor — Harry C. Warwick, 3191 Washington St., S. F. $24,000

DWELLINGS
(1359) N SANTA YNEZ 55-9, 80-9 and 105-9 W Ostego. Three one-story and basement frame dwellings.
Owner—Amanda A. Olsen, 366 Granada St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Olaf Olsen, 366 Granada St., San Francisco. $4000 each

APARTMENT FLATS
(1360) W TWENTIETH AVE 120 S Geary. Two-story and basement frame (4) apartment flats.
Owner—J. R. Sloan, 425 Kearny St., San Francisco.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.
Day's work. $15,000

DWELLINGS
(1361) W THIRTY-NINTH AVE 33 4 and 66-8 S Clement. Two one-story and basement frame dwellings.
Owner—A. and B. Quinn, 3666 17th St., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Contractor — Arthur Quinn, 3666 17th St., San Francisco. $4500 each

FRAME FLATS
(1362) E TWENTY-FOURTH AVE 125 S Lake. Two-story and basement frame (2) flats.
Owner—P. J. Phelan, 1706 Anza St., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Day's work. $8000

FRAME FLATS
(1365) W DOLORES 194-3 and 217 N 17th. Two two-story and basement frame flats (2 flats in each).
Owner—Joseph Cuneo, 21 Sycamore St., San Francisco.
Day's work. $8000 each

FLATS
(1366) E NINTH AVE. 25 and 50 N Fulton. Two 2-story and basement frame residential flats (2 in each).
Owner—M. McDonough, 22 Fairmount St., San Francisco.
Architect—None.
Day's work. $8000 each

FLATS
(1367) SW CABRILLO AND EIGHTEENTH Ave. Two-story and basement frame (4) flats.
Owner—Karl H. Holmgren, 1212 8th 8th Ave., San Francisco.
Architect—C. O. Clause, Hearst Bldg., San Francisco.
Day's work. $12,000

RESIDENCE
(1368) E THIRTY-SECOND AVE 20 4 S California S 26x120. All work for two-story and basement residence.
Owner—John Breen, 234 32nd Ave., San Francisco.
Architect—None.
Contractor—Thos. Hamill, 6140 Geary St., San Francisco.
Filed April 3, '22. Dated Mar. 30, '22.
Rough frame up and roof on ... $1750
Brown coated 1750
Job finished 1750
Usual 35 days 1750
TOTAL COST, $7000
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
(1369) NE FRANKLIN & CHESTNUT N 110xE 34. Grading and concrete work, carpenter, mill, lathing, plaster, roofing, glazing and three-story frame apartment house.
Owner—David F. and Mary Capelli, 63 Webster St., San Francisco.
Architect—John J. Foley, 770 5th Ave., San Francisco
Contractor—G. Ferroni & Sons, 1926 Filbert St., San Francisco.
Filed Apr. 3, '22. Dated Mar. 23, '22.
Frame up $4600
Roof on 4600
Completed and accepted 4600
Usual 35 days 4650
TOTAL COST, $18,450
Bond, $9225. Surety, Fidelity & Deposit Co. of Maryland. Limit, 110 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(1370) W SEVENTEENTH AVS 125 S Cabrillo. All work for one-story and basement residence.
Owner—A. J. Duttke, 1801 Spreckels Bldg., San Francisco.

Plans by Contractor.
Contractor—R. A. McLean, 761 17th Ave., San Francisco.
Filed Apr. 3, '22. Dated Apr. 3, '22.
Frame up $1200
Brown coated 1200
Finished 1200
Usual 35 days 1200
TOTAL COST, $4800
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed

ALTERATIONS
(1371) N SAINT ROSES 60 W Masonic Ave. W 75xN 100. Alterations and addition to building.
Owner—Mary M. Ostrander, 18 Rose Ave., San Francisco.
Architect—None.
Contractor—R. Albertsen, 1774 Sutter St., San Francisco.
Filed Apr. 3, '22. Dated Mar. 20, '22
On signing contract $350.00
Frame completed 249.50
Enclosed 249.50
Completed and accepted 249.50
Paid before work began 249.50
TOTAL COST, $1,600
Bond, $1600. Surety, National Surety Co. Limit, 4 weeks. Forfeit, none. Plans and specifications, none.

BUILDING
(1372) SW CLEMENT AND SEVENteenth Ave. S 75xW 25. All work for a 2-story and basement frame building.
Owner—Dr. L. Geminiani.
Architect—T. Paterson Ross, 310 California St., San Francisco.
Contractor—E. J. Montgomery, 1430 Broadway, San Francisco.
Filed Apr. 3, '22. Dated Mar. 24, '22
Second story joists in $2689
Roof on 2689
Interior walls and ceilings lathed 2689
Completed and accepted 2689
Usual 35 days 3586
TOTAL COST, $14,342
Bond, $7200. Sureties, Chas. Schlesinger and Karl Hassell. Limit, 120 days. Forfeit, $10 day. Plans and specifications filed.

ALTERATIONS
(1375) BUSH AND STOCKTON STS. Re-arrange rooms to allow for plumbing fixture additions; tile floors in bathrooms, etc. (hotel).
Owner—R. McColgar, 598 Bush St., S. F.
Architect—None.
Contractor—M. T. Nolan. $1840

DWELLINGS
(1378) E FORESTSIDE AVE 140 and 177 N Vicente. Two one-story and basement frame dwellings.
Owner—Fernando Nelson & Sons, Inc., 2 West Portal Park, S. F.
Architect—None
Day's work. $4000 each

DWELLINGS
(1383) E TWENTY-THIRD AVE 175, 200 and 225 S Anza. Three one-story and basement frame dwellings.
Owner—G. A. Bertram, 2034 Van Ness Ave., San Francisco.
Architect—None
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $2000 each

FRAME DWELLING
(1384) E TWENTY-FIFTH AVE 209-8 S Anza. One-story and basement frame dwelling.
Owner—E. A. Jarman, 402 Hearst Bldg. San Francisco.
Architect—None
Day's work. $3500

FRAME FLATS
(1386) E TWENTY-THIRD AVE 175 S Geary. Two-story and basement frame (2) flats.
Owner—J. Eder, 106 Clement St., San Francisco.
Architect—None.
Contractor—G. M. Hantzsche, 528 31st Ave., San Francisco. $7000

FRAME FLATS
(1389) NW DOLORES AND TWENTY-sixth. Two-story and basement frame (2) flats.
Owner—John Schroeder, 403 Edinburgh St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Jas. Tarbitt, 386 Fair Oaks St., San Francisco. $11,600

FRAME FLATS
(1390) W FOURTEENTH AVE 130 S Geary. Two-story and basement frame (2) flats.
Owner—L. Della Raynor, 483 14th Ave. San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—J. E. Barker, 1219 Page St., San Francisco. $10,000

EXCAVATING
(1393) LOCATION NOT GIVEN. Excavating, grading, form construction, cement work and reinforcing steel for store and loft building.
Owner—Mission Realty Co.
Architect—A. J. Horstman, Anglo Bldg., 16th and Mission Sts., S. F.
Contractor—Andrew Lynch, 291 15th Ave., San Francisco.
Filed April 4, '22. Dated Mar. 27, '22.
Reinforcing steel in ..... ¼
Concrete poured ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, 12,759
Bond, $6375. Sureties, P. F. Reilly and Thos. Carroll. Limit, —. Forfeit, $25. Plans and specifications, none.

(1394) CARPENTER WORK ON above.
Contractor—L. A. Hinson, 1228 Grove St., San Francisco.
Filed April 4, '22. Dated Mar. 27, '22
Rough frame work up ..... ¼
Mill work placed ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $5370
Bond, $2687.50. Sureties, Geo. C. Marie and A. S. Bugbee. Limit, 60 days. Forfeit, $25. Plans and specifications, none

(1395) WASTE AND SUPPLY PIPE, anchors, drains, leaders, fixtures on above.
Contractor—Albach & Mayer, 85 Dorland St., San Francisco.
Filed Apr. 4, '22. Dated Mar. 27, '22
Roughing in completed ..... ½
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $745
Bond, $372. Sureties, G. F. Bernard and Samuel Schell. Limit, 40 days. Forfeit, none. Plans and specifications, none.

(1396) S FILBERT 34-4½ W Genoa Place 21-6¾ frontage. All work for two-story frame (2) flats.
Owner—Agostino Giorgi, 1510 Grant Ave., San Francisco.
Architect—Louis Mastropasqua, 580 Washington St., San Francisco.
Contractor—Fontanella & Toza, 1682 Eddy St., San Francisco.
Filed Apr. 4, '22. Dated Mar. 30, '22.
Frame up $1900
Brown coated 1900
Completed and accepted 1900
Usual 35 days 1900
TOTAL COST, $7600
Bond, $3000. Sureties, J. Del Favero and Adam Arras. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ADDITION
(1400) NW EMBARCADERO & JACKson. Three-story and basement reinforced concrete addition to present building, for offices, garage and lofts.
Owner—Wellman, Peck Co., 311 Embarcadero, San Francisco.
Architect—J. E. Krafft & Sons, Phelan Bldg., San Farncisco.
Contractor—Hannah Bros., 142 Sansome St., San Francisco. $40,000

STORES
(1401) N GEARY 80 W Leavenworth. One-story reinforced concrete store building.
Owner—Fred Larsen, 128 Sutter St., San Francisco.
Architect—Andrew H. Knoll, Hearst Bldg., San Francisco.
Day's work. $18,000

ALTERATIONS
(1403) NO. 2803-05 MISSION. Remodel for hardware store.
Owner—Wm. Wohltmann.
Architect—F. S. Holland, 1629 Folsom St., San Francisco.
Day's work. $5000

FLATS
(1404) NW PARNASSUS & HILLWAY Aves. Two-story and basement frame (2) flats.
Owner—Ada Breeze.
Architect—S. Helman, 57 Post St., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco. $10,000

RESIDENCE
(1405) NW ST. FRANCIS BLVD. AND Santa Ana Ave. Two-story and basement frame residence.
Owner—Alfred Gunn.
Architect—J. R. Miller, 218 Lick Bldg., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco. $15,000

DWELLING
(1407) E SEVENTEENTH AVE. 160 N Cabrillo. One-story and basement Kearny St., San Francisco.
Owners—Amalia and F. P. Taddeucci, 1925 Mason St., San Francisco.
Architect—None.
Contractor—A. DeBenedetti, 20 Cotter St., San Francisco. $4650

DWELLING
(1409) E TWENTY-THIRD AVE. 125 S Cabrillo. Two-story and basement frame dwelling.
Owner—August Cederberg, 457 Douglas St., San Francisco.
Architect—None.
Day's work. $5000

DWELLINGS
(1411) N SILVER AVE 160 and 185 E Boyston. Two one-story and basement frame dwellings.
Owner—Daniel Scannell, 1781 Sanchez St., San Francisco.
Architect—G. A. Berger, 261 Valencia St., San Francisco.
Contractor—E. Mooney, 12 Valencia St., San Francisco. $2000 each

APARTMENTS
(1412) S SUTTER 100 W Leavenworth Five-story and basement Class C (29) apartments.
Owner—L. B. Ham, 105 Montgomery St., San Francisco.
Architect—A. M. Bowser, Hearst Bldg., San Francisco
Day's work. $50,000

APARTMENTS
(1413) W TWENTY-FIRST AVE — S California. Three-story and basement frame (6) apartments.
Owner—Tillie Hirsch, 251 11th Ave., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Fred Warden, 88 Concord St., San Francisco. $19,676

ELECTRIC WIRING
(1414) SW TWENTY-THIRD AND Howard. Electric wiring for building.
Owner—J. H. Kruse, 23rd and Shotwell Sts., San Francisco.
Architect—Joe Geary.
Contractor—The Atlas Electric Co., 185 Stevenson St., San Francisco.
Filed Apr. 5, '22. Dated Mar. 11, '22
Conduits, roughed in.....$1350
Completed and accepted..... 675
Usual 35 days..... 675
TOTAL COST, $2,700
Bond, none. Limit, as fast as possible. Forfeit, none. Plans and specifications filed.

ALTERATION & ADDITIONS
(1415) MISSION 600 NE Virginia Ave. NE 30 x 283-6. Alterations and additions to building.
Owner—Anna M. Bondeli, 145 Tiffany Ave., San Francisco.
Architect—E. A. Hermann, 89 Broadway, San Francisco.
Contractor—Claus Lindberg, 257 Surrey St., San Francisco.
Filed Apr. 5, '22. Dated Apr. 3, '22
Second story front frame up and ready for lathing.....$1653.75
Entire 1st story ready for occupancy 1653.75
Completed and accepted..... 1653.75
Usual 35 days..... 1653.75
TOTAL COST, $6,615
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ALTERATION AND ADDITIONS
(1416) NE HOWARD AND TWENTY-fourth. Alterations and additions to building (flats and store).
Owner—Fred J. Nordholz, premises.
Architect—E. A. Hermann, 89 Broadway, San Francisco.
Contractor—Mager Bros., Bryant and 23rd Sts., San Francisco.
Filed Apr. 5, '22. Dated Apr. 3, '22
Ready for lathing.....$2096
Completed and accepted..... 2196
TOTAL COST, $4,292
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FRAME STORES
(1418) S MISSION 225 W Excelsior. One-story frame stores.
Owner—Merrill Estate, Inc., 3212 22nd St., San Francisco.
Architect—None.
Day's work. $3000

APARTMENTS
(1424) SE GEARY AND LARKIN STS. Two-story and basement brick stores and (4) apartments.
Owner—W. F. Dunn, 26 Montgomery St., San Francisco.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—John Spargo, 240 Montgomery St., San Francisco. $35,000

DWELLING
(1425) S MERCED 105 W Laguna Honda. One-story and basement frame dwelling.
Owner—C. F. Parker, 1315 6th Ave., San Francisco.
Architect—Harold G. Stoner, 1st Nat'l. Bank Bldg., San Francisco.
Day's work. $3500

FRAME FLATS
(1426) N TWENTY-THIRD AVE 100. 125 and 150 W Clement. Three 2-story and basement frame flats (2 flats in each).
Owner—M. P. Storheim, 201 Caselli Ave., San Francisco.
Designer—P. Carlson, 3631 23rd St., San Francisco.
Day's work. $5850 each

FRAME BUILDINGS
(1427) E TWENTY-THIRD AVE 175 S Anza and 200 and 225 S Anza. All work for three one-story frame buildings.
Owner—George A. Bertram, 2024 Van Ness Ave., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.
Filed Apr. 6, '22. Dated Mar. 29, '22.
Frame up.....$3355
Brown coated 3355
Completed and accepted 3355
Usual 35 days..... 3355
TOTAL COST, $13,420
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

LATHING, ETC.
(1428) ON SUTTER ST. near Stockton Lathing and plastering for building.
Owner—Selah Chamberlain, 20 Franklin St., San Francisco.
Architect—None.
Contractor—W. L. Nagel, 1692 Grove St., San Francisco.
Filed Apr. 6, '22. Dated Mar. 15, '22.
Brown coated $1000
Job completed 934
Usual 35 days..... 645
TOTAL COST, $2579
Bond, limit, forfeit, plans and specifications, none.

ALTERATIONS
(1429) W THIRD 25 S Minna S 45 W 145 N 70 E 70 S 25 E 75. All work for alterations and additions to one-story brick building (theatre).
Owner—Aaron Goldberg, 106 Presidio Ave., San Francisco.
Architect—Albert W. Burgren, 110 Sutter St., San Francisco.
Contractor—G. Petterson, 251 Kearny St., San Francisco.
Filed April 6, '22. Dated April 6, '22.
Brick work ready for roof trusses $3000
Ready for plastering..... 3000
Completed and accepted..... 4020
Usual 35 days..... 3345
TOTAL COST, $13,365
Bond, none. Limit, as fast as possible. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Apr. 6, 1922—SW FILBERT & JONES W 137-6 S 137-6 N 50 S 137-6 E 142-6 N 137-6 E 45 N 137-6. Union Terrace to Atlas Heating and Ventilating Co.....Apr. 3, 1922

Apr. 6, 1922—SW FILBERT & JONES W 137-6 S 137-6 W 50 S 137-6 E 142-6 N 137-6 E 45 N 137-6. Union Terrace to whom it may concern .....Apr. 3, 1922

Apr. 6, 1922—E TWENTY-FIFTH Ave 39-6 S Balboa. H H Reith to Meyer Bros.....Apr. 5, 1922

Apr. 6, 1922—LOT 25x120 ON E 41st Ave. 223-8 N Balboa. H W Wagstaff to Ed Zinkand..... .....Mar. 31, 1922

Apr. 6, 1922—NE FIRST 275 SE Market SE 91-8xNE 137-6. Merchants Trust Co and Norris K Davis, trustees Est Horace Davis, deceased to Frederick W Snook Co..... .....Mar. 23, 1922

April 5, 1922—SE HOWTH 100 NE Geneva NE 30xSE 112. Elsie L Schaadt to whom it may concern.. .....April 5, 1922

April 5, 1922—NW PINE AND Montgomery N 125xW 138-6. Commercial Union Assurance Co and California Insurance Co to Wm G Gilmour.....Mar. 29, 1922.

April 5, 1922—E TWENTY-FIRST AV 80 N Cabrillo N 40xE 50. Faithe M De Berry to Samuel A Wood.. .....April 3, 1922

April 5, 1922—E TWENTY-FIRST Ave 125, 153, 181 and 209 N Fulton N 28xE 126. Costello Bros to Costello Bros .....April 4, 1922

April 2, 1922—SW FILBERT AND Jones W 137-6 S 137-6 W 50 S 137-6 E 142-6 N 137-6 E 45 N 137-6. Union Terrace to C T Merchant. Feb. 19, 1922

April 3, 1922—E FIFTEENTH AVE 75 N Cabrillo 25x102-6. Earl H Holmgren to whom it may concern .....April 3, 1922

Apr. 4, 1922—W TWENTY-SEVENTH Ave 225 N Geary N 25xW 120. H O Lindeman to W R Lindeman..... .....April 4, 1922

April 4, 1922—LOT 38 BLK 3176. Westwood Park. Baldwin & Howell to Nelson Bros..Mar. 27, 1922

April 4, 1922—E TWENTY-SECOND Ave 125 S Anza S 25xE 120. A V Anderson to whom it may concern .....April 4, 1922

April 4, 1922—N ARMY 100, 125, 150 and 175 W Hampshire. Wm A Grahn to whom it may concern ... .April 4, 1922

April 4, 1922—SW BUSH & STOCKTON W 60 S 39-6 E to W line Stockton N to S Bush. Julius Goldstein to Eureka Teaming Co..Mar. 27, 1922

April 3, 1922—W LEAVENWORTH 100 N Bush N 37-5 W 102 N 0-1 W 35-6 S 37-6 E 137-6. Jas Welsh to Jas Welsh Co.....April 3, 1922

April 3, 1922—LOT 38x105 on W Peabody 136 S Leland Ave. Lot — Blk 32, Ingleside Hd Ass'n. Edward Gaynor to whom it may concern .....April 3, 1922

April 3, 1922—SE VIENNA 50 SW Italy Ave SE 100xSW 25; SE Vienna 75 SW Italy Ave SE 100xSW 25 Louis Levy to Jos Novello, Louis Rustorini and Albert Hemmen.. .....April 3, 1922

April 3, 1922—E MISSOURI 75 N 18th N 25xE 120, No. 275 Missouri. G Griffin and May Traut to L H Stevenson.....April 1, 1922

Mar. 31, 1922—E THIRTY-FOURTH Ave 275 S Anza 25x120. A W Wagman to whom it may concern... .....March 31, 1922

April 1, 1922—N GEARY 206-8 W Mason W 68-4xN 137-6. A F Rousseau to whom it may concern.... .....Mar. 31, 1922

April 1, 1922—W SEVENTEENTH AV 100 N Anza. Andrew H Knoll to whom it may concern...Mar. 20, 1922

April 1, 1922—S GEARY 162-6 W Jones W 25xS 137-6. Thos U Smyth to Milan E Vukicevich and Spencer B Bagge.....Mar. 29, 1922

April 1, 1922—NE GILMAN AVE 175. NW Jennings NW 25xNE 100. Patrick H Madden to whom it may concern.....April 1, 1922

April 1, 1922—NO. 2467 SACRAMENTO. Ruth F Dreyer to whom it may concern.....April 1, 1922

April 1, 1922—NE GILMAN AVE 200 NW Jennings NW 25xNE 100. Patrick H Madden to whom it may concern.....April 1, 1922

Mar. 31, 1922—LOT 29 BLK H, Northbrae Terrace, Berkeley. P E Marquis to whom it may concern..... .....March 29, 1922

Mar. 31, 1922—E EDINBURGH 250 S Avalon Ave. Alma M Mahan to Martin Smith.....Mar. 30, 1922

Mar. 30, 1922—S BALBOA 77-6 E 16th Ave Lot 25xW 120. Luigi M Carusio to whom it may concern... .....March 30, 1922

Mar. 31, 1922—S PINE 171-10½ W Mason W 34-4½xS 137-6. Margaret Bell to whom it may concern..... .....March 30, 1922

Mar. 31, 1922—NO. 1140 MARKET ST. Eugene Eisenberg to Sandberg Essman.....Mar. 23, 1922

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

April 5, 1922—S CLAY 154-3 E Franklin E 52-7xS 127-8¾ W P

Fuller & Co vs Geo D and Aimee Merrill and M S Show.....$530
Mar. 31, 1922—CLAY 154-3 E Franklin S 127-8¼xE 32. Inlaid Floor Co vs Martin Show, George D and Aimee Merrill $1360
Mar. 31, 1922—SE BROMPTON AVE 100 SW Chenery SE 112.47 SW 25 NW 111.59 NE 25. Spring Valley Lumber Yard vs Antonio and Annie Draga $577.29

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount
Apr. 6, 1922—N SEA CLIFF AVE 1f produced W dist S 83° 32' W 429.23 from SW cor lot 75 Sea Cliff Sub 1 N 3° 23' W 155.47 N 88° E 50.015 S 3° 23' E 151.575 more or less W 50.073. Harry C Graper to whom it may concern.....
Mar. 29, 1922—S RUSSIA 50 E Vienna No. 716 Russia The Greater City Lumber Co vs T Willer.....$45.30

RELEASE OF BUILDING CONTRACT

SAN FRANCISCO COUNTY

Mar. 31, 1922—E ASHTON 100 N Holloway Ave S 50xE 100. Edward W and Ada M Bender with Wilson & Benson

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Apr. 6, 1922—SW ASHBURY AND Frederick W 106-3xS 27. B Huth as to improvements on property..
April 1, 1922—E DIVISADERO 87-6 S McAllister S 50xE 104. Irma D and C R Danziger as to improvements or property.....

CANCELLATION OF BUILDERS' CONTRACT

SAN FRANCISCO COUNTY

Apr. 6, 1922—E TWENTY-THIRD Ave 175 and 200 S Anza. George A Bertram, owner, with Meyer Bros., contractor.....Filed Apr. 3, 1922

MARCH BUILDING SUMMARY

Building operations in San Francisco for the month of March are segregated as follows by the City Building Bureau:

Class	No. Permits	Cost
B	1	$ 200,000
C	31	812,343
Frames	294	1,803,180
Alterations	521	434,728
Public Bldgs.	1	39,000
TOTAL	848	3,289,251

BUILDING CONTRACTS

ALAMEDA COUNTY

$3,000 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
1420	Flashman	Lucas	6000
1422	Bafford	Harcas	4000
1423	Sudgen	Fabing	4500
1424	Swick	Anderson	9500
1426	Burton	Bishop	10000
1430	Anderson	Owner	3500
1431	Scheile	Broadway	4200
1432	Ratcliff	Woodard	4000
1434	Hillen	Owner	4500
1435	Same	Same	4500
1436	Kujgel	Rich	10000
1438	Walsh	Chenowith	4000
1439	Hennessy	Fennelly	4500
1440	Kellogg	Lawton	17046
1441	Pitt	Geary	4400
1442	Regents P C	Friedman	1750
1443	6th Church	Maurice	8470
1444	Welch	Owner	7000
1445	Marquis	Owner	4500
1446	Ronie	Wilson	4000
1449	Isaacs	Owner	2750
1450	Same	Same	2760
1451	Same	Same	1125
1452	Same	Same	2750
1455	Pfrang	Owner	5400
1459	Dahl	Owner	3000
1461	Legg	Turner	3000
1462	Bocliolio	Lindgren	3000
1463	Angleman	Owner	3600
1464	Leishman	Pearson	4000
1465	Glantz	Owner	3000
1466	McInter	Owner	5000
1471	Pacific	Owner	3000
1473	P G & E	Littlefield	318000
1474	Webster	Nunes	8189
1475	Allison	Owner	3500
1482	Lucier	Ahnefield	6000
1483	Michel	Gaubert	3500
1484	Michel	Gaubert	3500
1485	Guiffre	Petersen	3500
1486	Robertson	Owner	3500
1487	Burritt	Owner	4500
1491	Neilsen	Reite	7000
1492	Stivers	Pach	4000
1493	Wright	Owner	2500
1494	Collins	Owner	3000
1498	Tipps	Owner	4000
1500	Schultz	Morse	5000
1503	Leberes	Silva	3000
1504	Coulter	Matheyer	3000
1508	Hammond	Owner	4500
1509	Freeling	Rich	7000
1511	Nichols	Owner	30000
1512	Lainhas	Knight	10500
1514	Parr	Williamson	1740
1515	Lerer	Hewitt	7000
1516	Berkeley	Owner	3500
1520	Roth	Power	6000
1527	Faubert	Hambleton	6800
1530	Spaeth	Gaba	5000
1531	Hayward ME Ch	Sorensen	7577

DWELLING
(1420) LOT 2, Piedmont Manor, Piedmont. Two-story 6-room dwelling.
Owner — F. C. Flashman, 4140 Gilbert St., Oakland.
Architect—None.
Contractor—L. L. Lucas, 555 59th St., Piedmont. $6000

DWELLING
(1422) NO. 1612 BUENA ST., Berkeley. One-story 5-room dwelling.
Owner—Frances V. Bafford, 2208 Stiner St., Berkeley.
Architect—None.
Contractor—J. D. Harcas, 1411 Divisadero St., San Francisco. $4000

DWELLING
(1423) NO. 1933 COLUSA AVE., Berkeley. One-story 5-room dwelling.
Owner—Fred Sudgen.
Architect—None.
Contractor—Fabing & Hunnewell, 1837 5th Ave., Oakland. $4500

DWELLING
(1424) NO. 2800 CLAREMONT BLVD., Berkeley. Two-story 8-room dwlg.
Owner—Marion C. Swick, Staten and Grand Sts., Oakland.
Architect—Field & Slocombe, 1st Savings Bank Bldg., Oakland.
Contractor—Geo. W. Anderson, 286 Perry St., Oakland. $9500

ALTERATIONS
(1426) NW FAIRVIEW AND DOVER Sts., Berkeley. Alterations and addition to apartments
Owner—Mrs. A. C. Burton, Premises.
Architect—None.
Contractor—J. A Bishop, 811 Adams St., Albany. $10,000

DWELLING
(1428) NO. 1043 SNYDER AVE., Berkeley. One-story 5-room dwlg.
Owner—D. and Mary Harberts.
Architect—None.
Contractor—Wm. L. Howell, 4064 Agua Vista St., Oakland. $2500

ALTERATIONS
(1429) NO. 120 BROADWAY, Oakland. Alterations.
Owner—Roy C. Warren.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin St., Oakland. $5000

DWELLING
(1430) S CAVOUR 190 W Manila Ave., Oakland. One-story 5-room dwlg.
Owner—A. P. Anderson, 5601 Adeline St., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(1431) W DERBY 300 S E-14th St., Oakland. One-story 5-room dwlg.
Owner—R. C. Scheile, 911 36th Ave., Oakland.
Architect—None.
Contractor—W. Broadway, 3432 Salisbury, Oakland. $4200

DWELLING
(1432) E ESTATE DRIVE 100 N Moraga Road, Oakland. One-story 5-room dwelling.
Owner—R. L. Ratcliff.
Architect—None.
Contractor—E. W. Woodard, 535 Merritt Ave., Oakland. $4000

DWELLING
(1434) W BELVEDERE 242 N Ygnacio, Oakland. One-story 5-room dwelling.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work. $4500

DWELLING
(1435) W FAIRFAX AVE 82 N Ygnacio Oakland. One-story 5-room dwlg.
Owner—R. C. Hillen, 5364 St., Oakland.
Architect—None.
Day's work. $4500

STORES
(1436) SW GARNET AND BROADway, Oakland. Two-story stores and flats.
Owner—Max Kujgel, Premises.
Architect—None.
Contractor—Jas. L. Rich, 943 42nd St. Oakland. $10,000

DWELLING
(1438) W SPRUCE 175 N Park Blvd., Oakland. One-story 6-room dwlg.
Owner—Matt Walsh, 6965 Arthur St., Oakland.
Architect—None.
Contractor—R. Chenowith, 6965 Arthur St., Oakland. $4000

DWELLING
(1439) E THIRTY-THIRD AVE. 752 N E-14th, Oakland. One-story 6-room dwelling.
Owner—M. W. Hennessy, 1816 33rd Av., Oakland.
Architect—None.
Contractor—J. D Fennelly, 2910 E-22d St., Oakland. $4500

BRICK BLDG.
(1440) E CASTRO 92 S 16th S 115-9 E 117-6, Oakland. All work for one-story brick building.
Owner—Herbert F. Kellogg, Anita K. Patterson, Abba K. Proctor, Fanny K. Howard and Louise Kellogg.
Architect—Reed & Corlett, Oakland Bank of Savings Bldg. Oakland.
Contractor—O. G. Lawton and C. D. Vezey (Lawton & Vezey), Plaza Bldg., Oakland.
Filed April 1, '22. Dated Mar 14, '22.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $17,046
Bond, $8525. Sureties, E. M. Tilden and Carl T. Doell. Limit, 75 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1441) N SEQUOIA AVE 75 W Glenn Ave., being Lot 12 Map Brookside Manor, Oakland. All work for one-story 6-room dwelling.
Owner—Hilda M. Pitt, Vernon Terrace, Oakland.
Architect—None.
Contractor—L. G. Geary, 524 58th St., Oakland.
Filed Mar. 31, '22. Dated Mar. 23, '22.
When due .....——
All bills paid.....——
TOTAL COST, $4400
Bond, none. Limit, 90 days after March 10, 1922. Forfeit, none. Plans and specifications filed.

GLAZING
(1442) UNIVERSITY GROUNDS, Berkeley. Glazing for Students' Union Building.
Owner—The Regents of University of California, Berkeley.
Architect—None.
Contractor—Samuel, Abraham & Isaac Friedman (Friedman Bros.), Okd.
Filed Mar. 31, '22. Dated Feb. 14, '22
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $1750
Bond, $900. Surety, Globe Indemnity Co. Limit, June 6. Forfeit, $50. Plans and specifications filed.

AUDITORIUM
(1443) NW FORTY-FIRST AND Gilbert W 60 N 110 E 70-2 S 112.5, Oakland. All work for one-story and basement frame auditorium.
Owner—6th Church of Christ Scientist 250 41st St., Oakland.
Architect — Wm. E. Milwain, Albany Bldg., Oakland.
Contractor—F. W. Maurice, 1362 E-25th St., Oakland.
Filed April 1, '22. Dated Mar. 29, '22.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $8470
Bond, $8470. Surety, Globe Indemnity Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1444) NO. 1682 LOWER GRAND AVE Piedmont. Two-story 8-room dwlg.
Owner—R. T. Welch, 2106 Derby St., Berkeley.
Architect—Slocumb & Field, 1st Svgs. Bank Bldg., Oakland.
Day's work. $7000

DWELLING
(1445) NO. 10 ALVARADO ROAD, Berkeley. One-story 6-room dwlg
Owner—P. E. Marquis, 1623 Oxford St., Berkeley.
Architect—None.
Day's work. $4500

DWELLING
(1446) NO. 704 CONTRA COSTA, Berkeley. One-story 5-room dwlg.
Owner—F. E. Ronie, 418 Newton Ave. Oakland.
Architect—Leslie R. Wilson, 2218 Blake St., Berkeley. $4000

DWELLING
(1449) W MADERA 430 E Fleming, Oakland. One-story 5-room dwlg
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3740

DWELLING
(1450) W MODESTO 364 S Birdsall, Oakland. One-story 5-room dwlg.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLINGS
(1451) W RAWSON 267, 227 and 672 NE Fleming, Oakland. Three one-story 5-room dwelling.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750 each

DWELLING
(1452) W RAWSON 307 NE Fleming, Oakland. One-story 5-room dwlg.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland
Architect—None.
Day's work. $3750

DWELLING
(1455) W BROADWAY 50 N Manila Av., Oakland. One-story 5-room dwelling.
Owner—C. J. Pfrang, 480 Forest St., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(1459) SW FOURTEENTH AVE AND E-23rd St., Oakland. One-story 5-room dwelling.
Owner—Edwin W. Dahl, 2435 E-21th St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(1461) S FLEMING AVE 220 E Courtland, Oakland. One-story 5-room dwelling.
Owner—Mrs. Marie Legg, 4425 Fleming Ave., Oakland.
Architect—None.
Contractor—Fred G. Turner, 4521 Virginia St., Oakland. $3000

DWELLINGS
(1462) N FORTY-FIFTH 340 and 365 W Grove, Oakland. Two one-story 3-room dwellings.
Owner—L. Bocliolio, 678 45th St., Oakland.
Architect—None.
Contractor—H. Lindgren, 1110 Parker St., Berkeley. $1500 each

DWELLING
(1463) SW HARPER AND THIRTY-sixth Ave., Oakland. Two-story 5-room dwelling.
Owner—E. W. Angleman, 2000 42nd Ave., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(1464) E HOWE 430 N Mather, Oakland. One-story 6-room dwlg.
Owner—Jas. Leishman, 2768 22nd St., San Francisco.
Architect—None.
Contractor—R. Pearson, 103 Pierce St., San Francisco. $4000

DWELLING
(1465) NE KINGSLAND AND EL Camile, Oakland. One-story 5-room dwelling.
Owner—Glantz & Flagg, 4611 Virginia Ave., Oakland.
Architect—None
Day's work. $3000

DWELLING
(1166) S LERIDA AVE 310 E Paloma, Oakland. Two-story 6-room dwelling.
Owner—H. W. McInter, 1528 Franklin St., Oakland.
Architect—None.
Day's work. $5900

ADDITION
(1471) NE SIXTIETH AND OCCIdental Sts., Oakland. Addition
Owner—Pacific Enameling Mfg. Co.
Architect—None.
Day's work. $3500

OFFICE BLDG.
(1473) SW SEVENTEENTH & CLAY W 100xS 50, Oakland. All work for eight-story and basement office building.
Owner—Pacific Gas & Electric Co.
Architect—C. W. Dickey, 557 12th St., Oakland.
Contractor—R. W. Littlefield, 357 12th St., Oakland.
Filed April 3, '22. Dated Mar. 30, '22.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $318,500
Bond, $160,000. Surety, Globe Indemnity Co. Limit, 270 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1474) LOT 20 OAKVALE, Berkeley. One-story frame dwelling.
Owners—Clementine and J. H. Webster, 5830 Hearn St., Oakland.
Architect—None.
Contractor—George W. Nunes, 5430 Dover St., Oakland.
Filed April 3, '22. Dated April 1, '22
Frame up $2047
Brown coated 2047
Completed and accepted..... 2047
Usual 35 days 2048
TOTAL COST, $8,189
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1475) NO. 2320 BONAR ST., Berkeley. One-story 6-room dwelling.
Owner—C. H. Allison, 34 Brookside St., Berkeley.
Architect—None.
Day's work. $3500

DWELLINGS
(1482) NO. 1416 AND 1420 VIRGINIA St., Berkeley. Two one-story five-room dwellings.
Owner—Louis Lucier, Cor Short and Virginia Sts., Berkeley.
Architect—None.
Contractor — Harry Ahnefeld, 2123 Parker St., Berkeley . $3000 each

DWELLING
(1483) E HALEY AVE 400 S Hopkins, Oakland. One-story 5-room dwlg.
Owner—J. Michel, 1754 27th Ave., Okd.
Architect—None.
Contractor—N. Gaubert, 1910 40th Ave., Oakland. $3500

DWELLING
(1484) W SHEFFIELD AVE 400 S Hopkins, Oakland. One-story five-room dwelling.
Owner—J. Michel, 1754 27th Ave., Okd.
Architect—None.
Contractor—N. Gaubert, 1910 40th Ave., Oakland. $3500

DWELLING
(1485) E ADELINE 103 N 28th St., Oakland. One-story 5-room dwlg.
Owner—S. Guitre .
Architect—None.
Contractor—Jensen & Petersen, 3411 Adeline St., Oakland. $3500

DWELLING
(1486) W ATHOL AVE. bet. Brooklyn and Portland, Oakland. One-story 5-room dwelling.
Owner—Wm. Robertson, 1611 Concordia St., Alameda.
Architect—None.
Day's work. $3500

DWELLING
(1487) N DELAWARE 150 W Mapit Ave., Oakland. One-story 5-room dwelling.
Owner—W. H. Barritt, 5359 Manila Ave., Oakland.
Architect—None.
Day's work. $4500

DWELLING
(1491) S LONGRIDGE ROAD 100 W Hubert Road, Oakland. Two-story 6-room dwelling.
Owner—H. W. Neilsen, 940 Channing Way, Berkeley.

Architect—None.
Contractor—Oscar C. Reite, 3276½ Briggs Ave., Alameda. $7000

DWELLING
(1492) W MONTGOMERY 85 S Mather Oakland. One-story 5-room dwelling.
Owner—Howard Stivers.
Architect—None.
Contractor—McCoy & Pach, 4314 View St., Oakland. $4000

DWELLING
(1494) E MARKET 50 N 46th, Oakland. One-story 5-room dwelling.
Owner—Jos. Collins, 2351 San Pablo Ave., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(1498) NO. SIXTY-SIXTH 150 W Telegraph, Oakland. One-story 6-room dwelling.
Owner—T. A. Tipps, 1610 62nd St., Oakland.
Architect—None.
Day's work. $4000

DWELLING
(1500) NO. 912 ARLINGTON ROAD, Berkeley. Two-story 6-room dwelling.
Owner—Schultz, Euclid Apartments, Berkeley.
Architect—None.
Contractor—Morse & Hind, 1822 Hearst Ave., Berkeley. $5000

DWELLING
(1503) S E-SIXTEENTH 100 E 22nd Ave., Oakland. One-story 5-room dwelling.
Owner—Geo. Leberes, 2215 E-16th St., Oakland
Architect—None.
Contractor—J. P. Silva, 870 46th St., Oakland $3000

DWELLING
(1504) S EL CAMILE AVE 315 W 55th Ave., Oakland. One-story 5-room dwelling.
Owner—Lillian L. Coulter, 2007 5th Ave., Oakland.
Architect—None.
Contractor—L. L. Mathewer Co., 1569 Hopkins St., Oakland. $3000

DWELLING
(1508) E HADDON ROAD 40 S Portland, Oakland. One-story 6-room dwelling.
Owner—Mrs. C. J. Hammond, 329 Castro St., Hayward.
Architect—None
Day's work. $4500

FLATS
(1509) NO. 1116 MANILA AVE., Oakland. Two-story 5-room flats.
Owner—Mrs. Amy Freeling, Premises
Architect—None
Contractor—Jas. L. Lach, 913 42nd St., Oakland $7000

DWELLINGS
(1511) W NINTH AVE 20, 60, 140, 180, 220, 260, 300 and 340 S E-28th St., Oakland. Eight one-story 5-room dwellings.
Owner—C. K. Nichols, 1528 Franklin St., Oakland
Architect—None
Day's work $3750 each

APARTMENTS
(1512) E OAK 50 S 11th St., Oakland. Two-story 16-room apartments.
Owner—Nettie E. Lambas, 1114 23rd Ave., Oakland.
Architect—None
Contractor—Harry C. Kellett, 388 12th St., Oakland $10,500

FLATS, ETC
(1513) COR. STUART AND BLGEN P St., Berkeley. Carpenter labor to two-story 4-flat building and three garages.
Owner—S. C. Parr, 856 Arlington St., Oakland.
Architect—None.
Contractor — E. M. Williamson, 3731 Alendale Ave., Oakland.
Filed April 5, '22. Dated Mar. 22, '22.
Passed by building inspector.... ½
Completed .. .. ½
TOTAL COST, $1740
Bond, limit, forfeit, none. Plans and specifications, none.

BUILDING
(1515) SW DOWLING & NINETIETH Ave. 100x110, Oakland. All work for building.
Owner—Simon Lerer, 290 Grand Ave., Oakland.
Architect—None.
Contractor—Clifford L. Hewitt, 2733 98th Ave., Oakland.
Filed April 5, '22. Dated Mar. 31, '22.
Frame up ..... ¼
Ceiled in ..... ¼
Plastered ..... ¼
Usual 35 days..... ¼
TOTAL COST, $7000
Bond, none. Limit, 90 days. Forfeit, $10. Plans and specifications, none.

DWELLING
(1516) NO. 1800 CATALINA S., Berkeley. One-story 6-room dwelling.
Owner—Berkeley Building Co., Solano and Colusa Sts., Berkeley.
Architect—None.
Day's work. $3500

DWELLING
(1520) SW CALMAR AND VIONA, Oakland. Two-story 6-room dwelling.
Owner—M. Roth, 660 Market St., San Francisco.
Architect—None.
Contractor—J. J. Power, 747 20th St., Oakland. $6000

DWELLING
(1522) N EL CAMILE AVE 150 E Kingsland Ave., Oakland. One-story five-room dwelling.
Owner—F. E. Steinman, 1745 High St., Oakland.
Architect—None.
Contractor—C. F. Lodge, 5194 Bond St., Oakland. $5600

DWELLING
(1523) W EDGEWOOD AVE 360 N El Centro, Oakland. One-story 6 room dwelling.
Owner—P. E. Woodburn, 3965 Greenwood Ave., Oakland.
Architect—None.
Day's work $4000

GARAGE
(1527) E GROVE 50 S 46th, Oakland. One-story brick garage.
Owner—M. R. Faubert, 489 48th St., Oakland.
Architect—None.
Contractor—Fred Hambleton, 3737 13th Ave., Oakland. $6800

FLATS
(1530) S SIXTY-SIXTH 158 E Raymond, Oakland. Two-story 6-room flats.
Owner—G. E. Spaeth, 6216 College Ave, Oakland.
Architect—None.
Contractor—J. W. Gaba, 5535 Hermosa Ave., Oakland. $5000

ALTERATIONS AND ADDITION
(1531) S B ST. between First and Second Sts., Hayward. One-story frame alterations and addition to church.
Owner—Hayward Methodist Espicopal Church.
Architect—W. J. Wythe, Central Bank Bldg., Oakland.
Contractor—Sorensen Bros., Hayward.
Filed Apr. 6, '22. Dated Mar. 22, '22

Roof sheathed $1875.00
Brown coated 1875.00
Completed and accepted..... 1875.00
Usual 35 days..... 1952.50
TOTAL COST, $7,577.50
Bond, $3800. Sureties, Jep. Eschelsen and M. H. Mosegaard. Limit, 100 days. Forfeit, none. Plans and specifications, filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted

Apr. 6, 1922—LOTS 23, 24, 25 AND 26, Map Rio Grande Tract, Oakland. Charles E and Gertrude E Hubber to Barr & Son.....Apr. 6, 1922

Apr. 6, 1922—S FIFTEENTH 75 W Franklin W 25 S 84. F F Porter to Arriss-Knapp Co.....Apr. 6, 1922

April 5, 1922—E BROADWAY 124 N Sixteenth F 150xN 75.8, Oakland. H C Capwell Co to William Knowles.....April 1, 1922

April 4, 1922—LOTS 3, 4 AND 5 BLK "N" Map Kelsey Tract, Oakland. I Rabinowitz to M F Sonmarstrom .....April 3, 1922

April 5, 1922—LOT 42 BLK "G" Map Fourth Avenue Terrace, Oakland. Henry W Macdonald to whom it may concern .....April 5, 1922

April 4, 1922—N LAFAYETTE AVE 547-6 W Crocker Ave, Piedmont. Miriam H Dexter to Carl Doell, March 14; Chas D Emery, March 14 Martin Back, March 14 and D C Starford.....March 14, 1922

April 3, 1922—N E-FOURTEENTH 58.71 W 34th Ave., Okd. Joseph Le Barse by L Howatt to J B Peterson.....March 31, 1922

April 3, 1922—NO 2831 DELAWARE, Oakland. L E Simmonds to whom it may concern.....April 3, 1922

Mar. 31, 1922—LOT 39 PROSPECT Park, Oakland. Jas O'Reilly to O R Johnson.....Mar. 28, 1922

Mar. 31, 1922—LOT 14 MAP OAKland Highland, Oakland. C L and Maude M Adams to Jos Flittner .....Mar. 29, 1922

Mar. 30, 1922—LOT 4 MAP Crocker Oaks Tract, Oakland. W H McCabe to Edwin C Graff..Mar. 23, 1922

Mar. 30, 1922—NW THIRD AVE and E 18th, Oakland. Daniel Dell Osso to Mullen and La Vore..Mar. 20, 1922

LIENS FILED

ALAMEDA COUNTY

Recorded Amount

Apr. 6, 1922—LOT 39 BLK 2 Map Fourth Avenue Heights, Oakland. Paul and Richard Schnoor (Schnoor Bros) vs A T Hendricks and Myrtle Harmon $692.30

Mar. 31, 1922—LOT 9 BLK D Map Oakland Highlands, Oakland. Geo. M Mott and Robt T Smith (Contra Costa Building Materials Co) vs L A Booker and W H Kelly...$285.95

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount

Mar. 30, 1922—WEST END SEVENTH St. Oakland. Marsow & Morrison $17,145.60 and $18,935.56; Pacific Building Material Co., $61.16; Roy Geary (Geary Floor Co), $1511.25; Ajax Foundry Co, $1213.50; John P Maxwell, $731.97, Judson Mfg. Co. $3154.24, National Plastering Co. $6309.95, L A Norris Co $310.27; Schrader Iron Works, $1110.16; Santa Cruz Portland Cement Co. $9107.79, Sunset Lumber Co, $2494.06, Loop Laundry Co $10,294.03; Marlott & Peterson, $2009.19, Palace Hardware Co. $391.85 to Albers Bros Milling Co .....

Mar. 31, 1922—PTN LOT F BLK 17 Map Claremont, Berkeley. W P Jones to Edwin T Cooper....$1424.34

Notice of Non-Responsibility

ALAMEDA COUNTY

Apr. 6, 1922—LOT 6 BLK 5 South Lakeshore Glen. H V Baumgartner as to improvements on property

Mar. 31, 1922—SE TWELFTH AND Broadway, Oakland. B Bercovich as to improvements on property

HOMESTEADS

ALAMEDA COUNTY.

Apr. 6, 1922—PTN LOT 16 BLK T Revised Map Oakland Heights, Oakland. Catherine M Graves (wf W E) $5000

April 5, 1922—S PRINCE 40 E King E 40xS 75.3, Berkeley. H S Engle $3500

April 4, 1922—PTN LOTS 131 AND 132, Map Oak Park, Oakland. Dorotny Davis (wf Wm H)..$10,000

April 4, 1922—SE EIGHTH AVE 40 NE E-22nd NE 35xSE 100, Oakland. Emil Lanphier $5000

Mar. 31, 1922—PTN LOT 10 Map Leona Brooklyn Township, Oakland. George G Price.....$3500

April 1, 1922—N HEARST AVE 187-6 W Grove W 37-6xN 135, Berkeley. Georgie B Mitchell.....$4000

Mar. 30, 1922—LOT 40 MAP Ardsley Heights, Oakland. Frank L Hall $5,000

Mar. 31, 1922—SE VAN DYKE AVE 312-6 SW Brooklyn Ave SW 37-6 SE 125, Oakland. Katherine Kuhl (wf George C) $5,000

BOND

ALAMEDA COUNTY

Bond in conjunction with contract between Alameda County and Standard Industrial Engineering Co. This bond agrees to save harmless the Southern Pacific Co. on work performed on contract as above.

Owner, Southern Pacific Co.; contractor, Standard Industrial Engineering Co. Bond, $5000. Surety, National Surety Co. Filed April 4, 1922. Dated March 1, 1922.

CITY OF OAKLAND BUILDING TOTALS FOR MARCH, 1922

Classification of Buildings	No. Permits	Cost
1-St. Dwellings	243	$ 734,171
1-St. Dwellings & Stores	2	7,000
1-St. 2-family dwellings.	1	2,000
1½-St. dwellings	2	8,500
2-St. Dwellings	16	92,800
2-St. Flats	7	59,250
2-St. Flats and stores	2	13,900
2-St. Apartments	8	85,111
2-St. Apartments & stores	2	25,000
3-St. Apartments	5	143,500
1-St. Stores	14	21,870
1-St. Factory	1	8,000
1-St. Warehouse	1	1,000
1-St. Machine Shop	2	3,600
1-St. Studio	1	1,000
1-St. Office	1	264
1-St. Comfort station	1	1,000
2-St. Brick school	1	218,149
1-St. Brick store	1	15,300
1-St. Brick dry kiln	1	5,000
2-St. Brick market	1	100,000
1-St. Brick garage	3	18,800
1-St. Brick boiler room	1	3,000
1-St. Brick machine shop	1	6,200
1-St. Brick blksmith shop	1	4,500
1-St. Brick shed	1	100
1-St. Brick addition	1	5,200
2-St. Brick & tile warehouse	1	6,600
1-St. Tile battery station	1	850
1-St. Tile stores	1	4,000
1-St. Tile garage	4	3,100
1-St. Tile addition	1	980
3-St. Concrete warehouse	1	80,000
2-St. Concrete Loft	1	14,749
1-St. Concrete Market	1	7,914
1-St. Concrete Bank	1	30,000
1-St. Concrete stores	1	11,793
1-St. Concrete garage	2	2,485
Concrete vault	1	475
1-St. Steel service station	3	4,200
1-St. Steel Comfort Stn.	2	1,500
Marquee	1	1,200
Electric Signs	19	5,165
Garages and sheds	196	36,079
Additions	76	72,823
Alterations & Repairs	98	56,949
TOTAL	732	1,925,577

BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 and Over Reported

FLATS
NO. 1521-23 T ST., Sacramento. Two-story flats (4 4-room flats).
Owner—Victor Fabris, 1912 18th St., Sacramento.
Architect—None.
Contractor—F. H. Koons, 4th and K Sts., Sacramento. $7500

DWELLING AND GARAGE
NO. 2222 ELEVENTH, Sacramento. One-story 5-room dwelling and garage.
Owner—Holstead & Peterson, 2101 U St., Sacramento.
Architect—None.
Day's work. $2800

DWELLING
NO. 1208 THIRTY-THIRD, Sacramento. One-story 5-room dwelling.
Owner—T. H. Martin, 1401 L St., Sacramento.
Architect—None.
Day's work. $2600

DWELLING AND GARAGE
NO 2912 TWENTY-FOURTH, Sacramento. One-story 5-room dwelling and garage.
Owner—Dr. E. W. Gleie, 2014 11th St., Sacramento.
Architect—None.
Contractor—Graff & Boething, 1006½ 9th St., Sacramento. $3900

DWELLINGS AND GARAGES
NOS. 2725 AND 2733 SANTA CRUZ, Sacramento. Two 1-story 5-room dwellings and garages.
Owner—O. H. Moore, 2920 35th St., Sacramento.
Architect—None.
Day's work. $2000 each

BUILDING
LOT 1683 W. & K. Tract 24, Sacramento. Five-room building.
Owner—George J. Harris, Sacramento
Architect—None.
Contractor—Barton & Dudley, Sacramento. $6776
Filed Mar. 28, '22. Dated Mar. 27, '22

COTTAGE
LOT 93 WEST CURTIS OAKS, Sacramento. One-story frame cottage.
Owner—Dr. E. W. Gleie, 2014 11th St., Sacramento.
Architect—None.
Contractor—Graff & Boething, 1006½ 9th St., Sacramento. $3900
Filed Mar. 28, '22. Dated Mar. 16, '22

DWELLING AND GARAGE
NO. 425 THIRTY-FIRST, Sacramento. One-story 5-room dwelling and garage.
Owner—C. T. Reed, 3205 5th Ave., Sacramento.
Architect—None.
Contractor—Thos. Hunt, 2926 S St., Sacramento. $3400

DWELLINGS AND GARAGES
NOS. 2330 E ST., & 2331 THIRTEENTH Sacramento. Two 1-story 5-room dwellings and garages.
Owner—Wright & Kimbrough, Sacramento.
Architect—None.
Day's work. $2750

DWELLINGS
NOS. 2000, 3008, 3016 SAN JOSE AVE., and 3800, 3109, 3219 and 3225 44th St., Sacramento. Six 1-story 6-room and one 1-story 5-room dwellings.
Owner—W. T. Foster, 3400 4th Ave., Sacramento.
Architect—None.
Day's work. $1500 each

DWELLING AND GARAGE
NO. 1225 FORTY-THIRD, Sacramento. Two-story 6-room dwelling and garage.
Owner—Wright & Kimbrough, 817 J St., Sacramento.
Architect—None.
Day's work. $5500

FLATS
NO. 1149 THIRTY-EIGHTH, Sacramento. Two-story building (4 flats 4 rooms each).
Owner—W. Esycheck, 2009 F St., Sacramento.
Architect—None.
Contractor—A. W. Norris, Peoples Bank Bldg., Sacramento. $15,000

BUILDING
NO. 3038 THIRD AVE., Sacramento. Two-story building (2 flats, 6 room each).
Owner—Mortensen Steinaglel, 3414 9th Ave., Sacramento.
Architect—None.
Day's work. $6000

DWELLING
NO. 2004 E ST., Sacramento. One-story 5-room dwelling.
Owner—Chas. A. Coleman, 2624 35th St., Sacramento.
Architect—None.
Contractor—Coleman & Holmes, Sacramento. $3750

DWELLING
NO. 1025 FORTY-FIRST, Sacramento. One-story 5-room dwelling.
Owner—G. J. Harris, 1055 Dolores Way, Sacramento.
Architect—None.
Contractor—Barton & Dudley, 610 J St., Sacramento. $6500

BUILDING
NO. 3924 J ST., Sacramento. Two-story building (4 flats, 5 rooms each).
Owner—Peter Carli, 822 U St., Sacramento.
Architect—None.
Contractor—A. W. Norris, Peoples Bank Bldg., Sacramento. $17,300

DWELLING
NO. 2220 U ST., Sacramento. One-story 5-room dwelling.
Owner—Mrs. F. J. Leary, 2501 P St., Sacramento.
Architect—None.
Contractor—C. J. Hopkinson, 1813 25th St., Sacramento. $4150

BUNGALOW
LOT 5 NOBLE COURT, Sacramento. One-story bungalow.
Owners—Earl A. and Lois M. Lyke, Sacramento.
Architect—None.
Contractor—L. F. Gould, Sacramento. $3075
Filed Mar. 31, '22. Dated Mar. 27, '22

ALTERATIONS
NO. 1315 Q ST., Sacramento. Raise and build under house.
Owners—Mr. and Mrs. W. H. Brown, 1315 Q St., Sacramento.
Architect—None.
Contractor—F. A. Holdener, 2310 J St., Sacramento. $3000

DWELLINGS
NOS. 3887 and 3878 FOURTH AVE., Sacramento. Two 1-story 5-room dwellings.
Contractor—C. J. Hopkinson, 1813 25th Sacramento.
Architect—None.
Day's work. $3000 each

DWELLING
NO. 321 THIRTIETH, Sacramento. One-story 6-room dwelling.
Owner—Matt Green, 2758 Portola St., Sacramento.
Architect—None.
Contractor—A. W. Almquist, 2701 X St., Sacramento. $4500

GARAGE
NO. 3856 STOCKTON BLVD., Sacramento. Reinforced public garage.
Owner—L. B. Davis, 4749 14th Ave., Sacramento.
Architect—None.
Contractor—Jenkins & Ward, 3560 Y St., Sacramento. $5000

DWELLING
NO 4032 U ST., Sacramento. One-story 4-room dwelling.
Owner—Paul Beattie, Premises.
Architect—None.
Day's work. $2500

DWELLING
NO.1540 THIRTY-FIFTH ST., Sacramento St., Sacramento. One-story 5-room dwelling.
Owner—Jno. Perry, 1536 35th St., Sacramento.
Architect—None.
Contractor—W. F. Terra, 2315 9th St., Sacramento. $3000

DWELLING
NO. 961 THIRTY-THIRD ST., Sacramento One-story 5-room dwlg.
Owner—Geo. Muddox, 2900 K St., Sacramento.
Architect—None.
Contractor—Jos. Edenhofer, 3300 2nd Ave., Sacramento. $2900

FLATS
NO. 3707 J ST., Sacramento. Two-story building (2 flats 5 rooms each and garage).
Owner—Mrs. A. King, 1209 F St., Sacramento.
Architect—None.
Contractor—J. A. Saunders, 2810 J St., Sacramento. $9250

DWELLING AND GARAGE
NO 724 THIRTY-SEVENTH, Sacramento. One-story 5-room dwelling and garage.
Owner—G. J. Black, 1330 P St., Sacramento.
Architect—None.
Contractor—Thos. B. Hunt, 2926 S St., Sacramento. $3200

DWELLING
NO. 1301 THIRTY-SEVENTH ST., Sacramento. One-story 5-room dwelling and garage.
Owner—Albert Fehr, 1616 23rd St., Sacramento
Architect—None
Contractor—L. Turple, 3321 2nd Ave., Sacramento. $1500

FLATS
NO. 517 THIRTIETH ST., Sacramento One-story building (2 flats of 4-rooms each).
Owner—Annie G. Garner 1322 20th St. Sacramento
Architect—None
Contractor—F. Maloney, 1801 U St., Sacramento. $5900

DWELLING
NO. 3131 SECOND AVE., Sacramento. Two-story 5-room dwelling and garage.
Owner—Mrs. Mary Rudland, 3125 2nd Ave., Sacramento.
Architect—None.
Contractor—J. M. Nelson, 3031 1st Ave., Sacramento. $2600

DWELLING AND GARAGE
NO. 3941 TWENTY-EIGHTH, Sacramento. One-story 5-room dwelling and garage.
Owner—Walter Hageman, 1215 P St., Sacramento.
Architect—None.
Contractor—Thos. B. Hunt, Sacramento. $4500

DWELLING AND GARAGE
NO. 2215 TWENTY-SEVENTH, Sacramento. One-story 6-room dwelling and garage.
Owner—J. S. ——, 1615 18th St., Sacramento.
Architect—None.
Contractor—Paul Opdyke, Route 1, Box 60-A, Sacramento. $4100

FLATS
NO. 1916 THIRTY-FIRST, Sacramento. Two-story building (2 flats 4 rooms each).
Owner—Olive Flint, 1916 31st St., Sacramento.
Architect—None.
Contractor—Thos. B. Hunt, Sacramento $5550

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
April 4, 1922—LOT 141 Curtis Oaks, Sacramento. W D and Carolyn E Thomas to whom it may concern .....April 3, 1922
April 1, 1922—N ½ LOT W, X, 23rd and 24th Sts., Sacramento. Clara A McLaughlin to whom it may concern..... March 27, 1922
Mar. 23, 1922—LOTS 5, 7, 13 and 15, Price Villa, Sacramento. Paul R Opdyke to whom it may concern.. .....March 23, 1922
Mar. 29, 1922—NR JEFFREY SHOPS of W. P. R. R. Co., Sacramento. W C Phillips to whom it may concern .....March 22, 1922

Notice of Non-Responsibility

SACRAMENTO COUNTY

Apr. 3, 1922—LOT 311 ELMHURST, Sacramento. C M Goethe as to improvements on property.....
Mar. 27, 1922—LOT 1306 ELMHURST Sacramento. C M Goethe as to improvements on property.....

SACRAMENTO BUILDING TOTALS FOR MARCH, 1922

The report of the Sacramento City Building Inspector shows a total of 315 permits issued during March at a total estimated cost of $813,737. Comparing with permits for March, 1921, the above shows an increase of 73 permits and $493,637 in construction cost. While last year was a record breaker in building construction, exceeding any previous year by over $1,000,000 the increase of the first quarter of the year over the corresponding quarter of last year indicates a very large year in building, the increase being 233 permits and $2,652,904 in cost.

The number of permits for new buildings in March was 175 at an estimated cost of $720,672, while 140 permits were for additions and repairs with a cost of $84,065. One of the permits issued in the past month was for a school building, representing $177,990.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

$1,000 and Over Reported

COTTAGE
NINTH ST., near Virginia St., San Jose. Four-room cottage.
Owner—Chas. Knudsen, 220 W-Virginia St., San Jose.
Architect—A. Willmot.
Day's work. $2000

REFRIGERATOR
NO. 106 N-MARKET ST., San Jose. Refrigerator.
Owner—Blase Bros., Premises.
Architect—Berry Cold Storage Eng.
Contractor—Percy Sherburne, 375 N-15th St., San Jose. $2915

COTTAGE
TWELFTH AND VIRGINIA STS., San Jose. Five-room cottage.
Owner—F. G. Stocking.
Architect—None.
Day's work. $5000

COTTAGE
THIRTY-FOURTH ST. near Santa Clara St., San Jose. Four-room cottage.
Owner—S. K. Jensen.
Architect—None.
Contractor—J. A. Forward, 59 S-Lincoln St., San Jose. $1975

COTTAGE
ORCHARD ST. near Grant, San Jose. Five-room cottage.
Owner—Louis Gugielmo.
Architect—None.
Contractor—Mat Cusimano. $1200

BUNGALOW
LOT 4 BLK 22, Chapman and Davis Tract, Santa Clara County. All work for five-room stucco, composition roof, frame bungalow.
Owner—Walter S. Thompson.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—E. J. Smith, 33 Schille Ave., San Jose.
Filed Mar. 29, '22. Dated Mar. 27, '22.
Frame completed and sheathing on $765
1st coat plaster on..... 765
Upon completion 765
Filing of Notice of Completion.. 765
TOTAL COST, $3060
Bond, $1530. Surety, A. L. Hubbard. Limit, 90 working days from March 27. Forfeit, none. Plans and specifications filed.

HOSPITAL
SAN JOSE. Heating and mechanical equipment for hospital building.
Owner—San Jose Hospital, San Jose.
Architect—Binder & Curtis, 255½ S First St., San Jose.
Contractor—J. E. O'Mara & Co., 443 Minna St., San Francisco.
Filed Mar. 29, '22. Dated Mar. 23, '22.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $21,000
Bond, $10,500. Sureties, M. S. Sprague and Charles E. Gee. Limit, when building is completed. Forfeit, $50 a day. Plans and specifications filed.

ADDITION
VENDOME HOTEL, San Jose. Addition to bath house.
Owner—E. W. Tegeler, Premises.
Architect—None.
Contractor—C. W. De Hegy, 19th and Julian Sts., San Jose. $2300

COTTAGE
HUMBOLDT ST. near Sherman, San Jose. Five-room cottage.
Owner—Wm H O'Neil, 500 N-15th St., San Jose.

Architect—None.
Day's work. $2500

GARAGE
SE RIVER AND SANTA CLARA STS., San Jose. All work for two-story brick and frame garage building.
Owner—Norman Kooser, 446 S-Third St., San Jose.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—A. L. Compton, 547 N-17th St., San Jose.
Filed April 3, '22. Dated April 3, '22.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $33,239
Bond, $17,000. Sureties, Otto E. and E. W. Schnabel. Limit, 100 working days from April 3. Forfeit, none. Plans and specifications filed.

BUNGALOW
E-SAN FERNANDO ST., being Lot 5 Blk 15, Lendrum Tract, San Jose. All work for one-story frame bungalow.
Owner—Mrs. Phoebe Baggot, San Jose.
Architect—None.
Contractor—A. J. Neilsen, 156 S-20th St., San Jose.
Filed April 3, '22. Dated April 3, '22.
Studdings and plate in place..$562.50
1st coat plaster on..... 562.50
When completed 562.50
Usual 35 days..... 562.50
TOTAL COST, $2250.00
Bond, none. Limit, 60 working days from April 3, 1922. Forfeit, none. Plans and specifications filed.

STORE BLDG.
PALO ALTO. All work for one-story store building.
Owner—Mrs. A. L. Byxbee and Mrs. S. L. Jackson, Palo Alto.
Architect — Birge M. Clarke, Stanford University, Palo Alto.
Contractor—Philip Darr, Mayfield.
Filed April 1, '22. Dated Mar. 28, '22.
Frame, sheathing, roof and wiring completed $1580.65
Exterior mill work in and interior plastered 1580.65
When completed 1580.65
Usual 35 days..... 1580.55
TOTAL COST, $6322.50
Bond, $3161.25. Sureties, John Dudfield and C. E. Self. Limit, 71 working days from April 3, 1922. Forfeit, $5 a day. Plans and specifications filed.

WAREHOUSE
RACE ST. near San Jose. All work for warehouse.
Owner—United States Products Corporation, San Francisco.
Architect—None.
Contractor — E. Anderson, Mountain View, Calif.
Filed April 5, '22. Dated April 3, '22.
1st floor joists in place..... ¼
Frame erected ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $4000
Bond, $2500. Sureties, E. K. Pearson and Elizabeth M. Nash. Limit, 40 working days from April 3, 1922. Forfeit, none. Plans and specifications filed.

FRAME COTTAGE
NAGLEE PARK TRACT, San Jose. All work for six-room frame cottage.
Owner—Geo. E. Freeland.
Architect—None.
Contractor—C. V. Brown, 521 N-16th St., San Jose.
Filed April 4, '22. Dated April 4, '22.
House roughly enclosed.....$1125
Brown coat plaster on..... 1125
Notice of completion filed..... 1125
Usual 35 days..... 1125
TOTAL COST, $4500
Bond, $2250. Sureties, A. L. Hubbard. Limit, to be completed on or before June 6, 1922. Forfeit, none. Plans and specifications filed.

DWELLING
HANCHETT RESIDENCE PARK, San Jose. All work for two-story frame and plastered dwelling and garage.
Owner—E. V. Fuchs, Bank of San Jose Bldg., San Jose.
Architect — Herman Krause, Bank of San Jose Bldg., San Jose.
Contractor—Henry A. Bridgen, Pine & Lincoln Sts., San Jose.
Filed April 4, '22. Dated Mar. 27, '22.
Frame up $1865.25
1st coat plaster on..... 1865.25
Dwelling & garage completed. 1865.25
Usual 35 days..... 1865.25
TOTAL COST, $7461.00
Bond, $3600. Sureties, James Beatty & A. B. Ross. Limit, 90 working days after March 27, 1922. Forfeit, none. Plans and specifications filed.

BUILDING
SAN JOSE. All work for one-story reinforced concrete building.
Owner—L. C. De Carli, 81 S-River St., San Jose.
Architect—Wolf & Higgins, Auzerais Bldg., San Jose.
Contractor—John Gales.
Filed April 4, '22. Dated April 1, '22.
As work progresses..... 75%
TOTAL COST, $9359
Bond, $4750. Sureties, J. A. Chase and S. H. Chase. Limit, 120 working days from April 1, 1922. Forfeit, none. Plans and specifications filed.

DWELLING
HAWTHORNE AVE., Palo Alto. All work for five-room dwelling with sleeping porch and bath (garage and fence).
Owner—Hattie Griffin, Palo Alto.
Architect—None.
Contractor—John F. Cardoza and A True, Mountain View, Calif.
Filed Apr. 5, '22. Dated Mar. 21, '22.
Frame up $1260
Roof on 1260
Building plastered..... 1260
Finished 1260
30 days after..... 1260
TOTAL COST, $6300
Bond, none. Limit, 90 days from March 21, 1922. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Mar. 30, 1922—PALO ALTO. Eph Weiss to The Minton Co. Mar. 22, 1922
Mar. 30, 1922—LOT 33 of the Mace Sbdvn No. 4, Santa Clara County. Logan Kay to whom it may concern.....March 29, 1922
Mar. 29, 1922—LOT 25 BLK 5 Sbdvn Lendrum Tract, San Jose. Homer W Sampson and A K Johnson to whom it may concern..Mar. 28, 1922

PIERCE-BOSQUIT
Abstract & Title Co.
Capital Stock $100,000
Sacramento, Placerville, Nevada City, Reno
SACRAMENTO OFFICE
ROSS E. PIERCE, Manager
905 SIXTH STREET

BUILDING CONTRACTS

SAN MATEO COUNTY

ALTERATIONS
WOODSIDE near Redwood City. All work except plumbing for alterations to one-story frame dwelling.
Owner—A. W. Hooper, Woodsile, Cal.
Architect—J. R. Miller, Lick Bldg., San Francisco.
Contractor—L. N. Pollard, Redwood City, Cal.
Filed Mar. 29, '22. Dated Mar. 24, '22.
Frame up, roof on.....$800
Completed 820
Usual 35 days..... 540
TOTAL COST, $2160
Bond, $1080. Sureties, M. P. Gray and Z. T. Thorney. Limit, 26 working days. Forfeit, none. Plans and specifications filed.

DWELLING
LOT 13 BLK 123 PLOT 1, South San Francisco. Furnish and construct one-story and basement 6-room dwelling.
Owner—A. Lazzari, South San Francisco.
Architect—None.
Contractor—John Jacopi, South San Francisco.
Filed Apr. 4, '22. Dated Apr. 1, '22
Enclosed $1200
Plastered 1075
Completed and accepted..... 600
Usual 35 days..... 600
TOTAL COST, $3,475
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

SCHOOL
CAROLAN TRACT, near Burlingame Station, Burlingame. All work necessary to complete general contract for a one and two-story reinforced concrete high school building.
Owner—San Mateo Union High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Contractor—The Fink-Schindler Co., 226 13th St., San Francisco.
Filed Apr. 4, '22. Dated ——
As work progresses 75%
Usual 35 days.....25%
TOTAL COST, $169,865
Two bonds for $84,932.50 each. Bonus, $25.00. Surety, Globe Indemnity Co. Limit, 124 days. Forfeit, $25.00 day. Plans and specifications filed.

FURNISH FINISH HARDWARE on above.
Contractor—Wisnom-Bonner Hardware Co., San Mateo.
Filed Apr. 4, '22. Dated Mar. 23, '22
Payments as above.
TOTAL COST, $3,615
Two bonds for $1,807.50 each. Sureties W. D. Wisnom and Robert Bonner. Limit, 90 working days after date of this instrument. Plans and specifications filed.

PAINTING ON ABOVE.
Contractor—D. Zelinsky & Sons, 180 Jessie St., San Francisco.
Filed Apr. 4, '22. Dated Mar. 23, '22
Payments as above.
TOTAL COST, $7,894
Two bond for $3,947 each. Surety, Fidelity and Casualty Co. of New York. Limit, 124 working days. Forfeit, $10 day. Plans and specifications filed.

PLUMBING ON ABOVE.
Contractor—Carl T. Doell, 467 21st St., Oakland.
Filed Apr. 4, '22. Dated Mar. 23, '22
Payments as above.
TOTAL COST, $9,122
Bond, none. Limit, 118 working days from date of this instrument. Forfeit, none. Plans and specifications filed.

WINDOW SHADES ON ABOVE.
Contractor—D. N. & E. Walter Co., 562 Mission St., San Francisco.
Filed Apr. 4, '22. Dated Mar. 23, '22
Payments as above.
TOTAL COST, $2,158.50
Two bonds for $1,079.25 each. Surety, Fidelity and Casualty Co. of New York. Limit, 124 working days. Forfeit, $10 day. Plans and specifications filed.

ELECTRICAL WORK ON ABOVE.
Contractor—F. E. Newbery Electric Co, Lick Bldg., San Francisco.
Filed Apr. 4, '22. Dated Mar. 23, '22
Payments as above.
TOTAL COST, $8,560
Two bond for $4,280 each. Surety, Fidelity and Casualty Co. of New York. Limit, 118 working days. Forfeit, $10 day. Plans and specifications filed.

COMPOSITION ROOFING ON ABOVE.
Contractor—Ajax Roofing Co., Burlingame.
Filed Apr. 4, '22. Dated Mar. 23, '22
Payments as above.
TOTAL COST, $1,925
Two bonds for $962.50 each. Sureties, E. E. Johnson and S. A. Born. Limit, 75 working days. Forfeit, $10 day. Plans and specifications filed.

BLACKBOARDS ON ABOVE.
Contractor—Rucker-Fuller Desk Company, 677 Mission St., San Francisco
Filed Apr. 4, '22. Dated Mar. 23, '22
Payments as above.
TOTAL COST, $3,397.12
Two bonds for $1,698.50 each. Surety, Fidelity and Casualty Co. of New York. Limit, 118 working days. Forfeit, $10 day. Plans and specification filed.

TILE ROOFING ON ABOVE.
Contractor — Gladding, McBean Co., Crocker Bldg., San Francisco.
Filed Apr. 4, '22. Dated Mar. 23, '22
Payments as above.
TOTAL COST, $7,980
Two bonds for $3,990 each. Sureties, George R. Chambers and Athol McBean. Limit. 75 working days. Forfeit $10 day. Plans and specifications filed.

HEATING, VENTILATIND AND MEchanical equipment on above.
Contractor—J. E. O'Mara & Co. (J. E. O'Mara and Wm. D. Stewart), 443 Minna St., San Francisco.
Filed Apr. 4, '22. Dated Mar. 23, '22
Payments as above.
TOTAL COST, $——
Two bonds for $15,834 each. Sureties, Oscar R. Krenz and W. H. Semmer. Limit, 118 days. Forfeit, $10 day. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
April 5, 1922—LOT 22 BLK 8, No. 2, Burlingame Park, Burlingame. F L Walker to whom it may concern .....March 31, 1922
Apr. 4, 1922—LOT 220 San Mateo Park, San Mateo. Herber O and Emma Mayers to whom it may concern.....Apr. 1, 1922
April 3, 1922—LOT 29 BLK 9, Burlingame Terrace, Burlingame. Margaret E Johnson to Thomas N Gisso.....March 24, 1922

BUILDING CONTRACTS

FRESNO COUNTY.

$5,000 and Over Reported

APARTMENTS
NO 2429-43 BELMONT AVE., Fresno. Store and apartment house
Owner—J. P. Cackler, 3362 Belmont Ave., Fresno
Architect—None.
Contractor—Dow & Cannon, Fresno. $30,000

WATER SUPPLY SYSTEM
FIREBAUGH SBDVN. OF SECTIONS 9, 10, 14, 15, 13-14, Fresno. Domestic water supply system.
Owner—Miller & Lux, Inc.
Architect—None.
Contractor—Merritt Concrete Products Co., Fresno. $8500
Filed April 3, 1922. Dated —. Bond by U. S. Fidelity & Guaranty Co.

DWELLING
NO. 825 MCKINLEY AVE., Fresno Dwelling.
Owner—Mrs. Geo. C. Smith.
Architect—None.
Contractor—Roy Martin. $5800

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Apr. 4, 1922—LOTS 26 AND 27 BLK 26 Arlington Heights Tract Fresno. W J Palfrey to whom it may concern.....Apr. 3, 1922
Apr. 4, 1922—LOT 9 BLK 26, Hazelwood Addition, Fresno. Mooshok Kazazian to whom it may concern .....Mar. 26, 1922
April 1, 1922—W 45 FEET OF E 120 feet Lot 14 Blk 2, Meadow Brook Tract, Fresno. Thos J Watson to whom it may concern...Mar. 29, 1922
Apr. 1, 1922—LOT 6 BLK 23, Alta Vista Tract, Fresno. Carl F Ahlberg to whom it may concern.....April 1, 1922
Apr. 1, 1922—E 90 FT. OF S 2½ FT. of Lot 7, E 90 ft. Lot 8, E 90 ft. of N 20 ft. of Lot 9 Blk 8, Van Ness Heights, Fresno. Geo C Boles to whom it may concern..Mar. 25, 1922
Mar. 31, 1922—LOTS 33 AND 34 BLK 16, Sierra Vista Addition, Fresno. Fresno Bldg Cptn to whom it may concern.....Mar. 29, 1922
Mar. 30, 1922—LOT 19 AND 20 BLK 1 Sierra Vista Add, Fresno. Harry A Brown to whom it may concern.....Mar. 25, 1922
Mar. 30, 1922—W 9 FT. LOT 27, ALL of lots 28 and 29 (except W 18 ft) Speedway Tct, Fresno. L L. Miller to whom it may concern.Mar. 29, 1922
Mar. 30, 1922—LOTS 1 AND 2 BLK 3 Claremont Park, Fresno. A. J. Johnson to whom it may concern .....Mar. 29, 1922
Mar. 30, 1922—LOTS 34 AND 35 BLK 3, lots 6 and 7 blk 4, lots 25 to 28 blk 9, lots 17 and 18 blk 10, High Add, Fresno. Trewhitt-Shields Co to whom it may concern.Mar. 28, 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount
April 1, 1922—PTN SEC. 27, 14-21, Fresno. Davison Electric Co vs Karl Kazanjian et al.....$95
April 1, 1922—E ½ LOT 35, Normal Villa Tract, Fresno. Sunset Lumber Co vs Clara Boutenous and Theodore and Ema L Fields....$1086
Mar. 29, 1922—PTN SEC 27, 14-21, Fresno. M E Summers vs Karl Kazanjian et al $270

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FRESNO BUILDING PERMIT TOTALS FOR MARCH, 1922

One hundred and sixty-two permits for new buildings valued at $564,881 were issued out of the Fresno office of Public Works during the month of March. Over half of the permits issued were for dwellings and seven called for apartment houses. March fell below the month of February in estimated value of buildings but exceeds the number of permits issued by thirty-eight.

Permits for alterations and additions for March were seventy-eight in number totaling $43,085. The estimated value of permits for new buildings exceeds the one million dollar mark by over six hundred thousand for the three months of this year, being $295,241 in January, $788,949 in February and $564,881 for last month, totaling $1,669,071, for the year.

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

$5,000 and Over Reported

RESIDENCE AND GARAGE
N AMERICAN, Stockton. Residence and garage.
Owner—W. J. Hamman, 717 N American St., Stockton.
Architect—None.
Day's work. $13,980

DWELLINGS
E MAPLE, Stockton. Two dwellings.
Owner—Gould & Johns, Stockton.
Architect—None.
Day's work. $7500

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
Mar. 30, 1922—N-HUNTER AND North Sts.; Lot 1 Blk A Bours Tct, Stockton. Louis M Haight to F W Maurice.....Mar. 28, 1922

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
April 4, 1922—LOT 14 Beckman Tct, Stockton. J W Allwine vs Peter Le Laporte $269

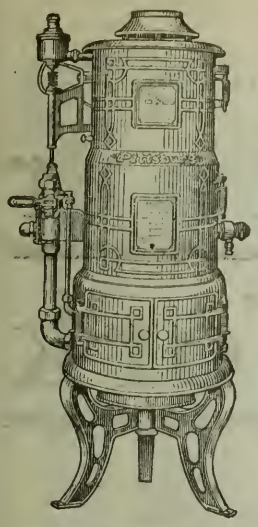
BUILDING CONTRACTS

CONTRA COSTA COUNTY

APARTMENTS
NE TENTH AND ROOSEVELT STS., Richmond. Apartment house (8 apartments).
Owner—W. W. Felch, 614 10th St., Richmond.
Architect—None.
Contractor—Carl Overaa, 2105 Roosevelt Ave., Richmond. $15,122

DWELLING
E S-NINTH ST bet Ohio and Florida, Richmond One-story frame dwlg
Owner—O. Rasmussen, 255 S-Third St., Richmond.
Architect—None.
Day's work. $2000

APARTMENTS
SE SEVENTH AND NEVIN, Richmond. (10) apartments.
Owner—Frank Lancaster, 7th and Macdonald, Richmond.
Architect—None.
Contractor—E. A. F. Carson, 542 4th St., Richmond. $20,500



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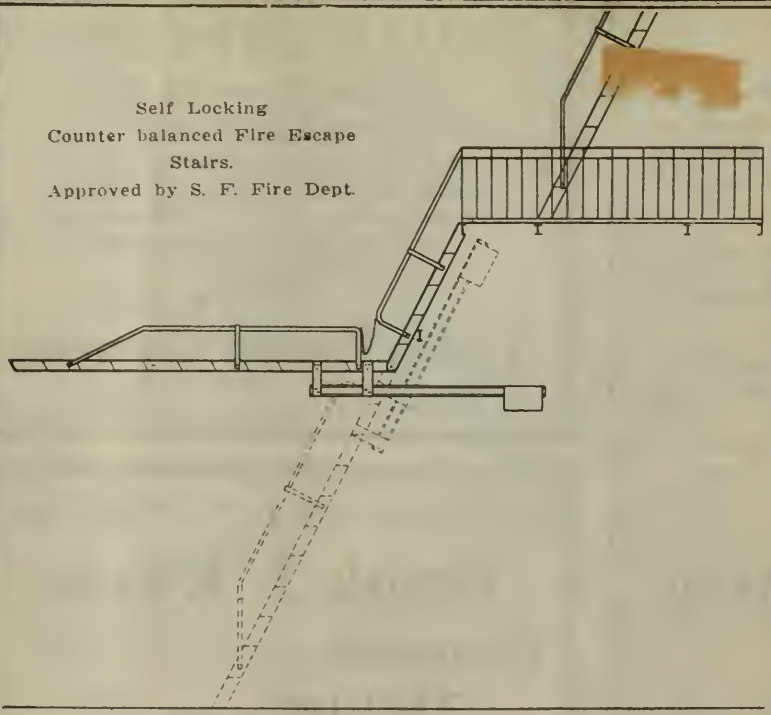

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Building & Engineering News

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Publication Office
560 Mission Street

SAN FRANCISCO, CALIF., APRIL 15, 1922

Published Every Saturday
Twenty-second Year No. 15

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"DOWNIE" DEEP WELL PUMPS

These pumps are built in a great variety of types and sizes to meet every deep well pumping condition where steam or any form of driving power is available. Capacities range from 85,000 gals. per hour using 18" dia. Working Barrel, down to 250-600 gals. per hour using 1¾" dia. Working Barrel. They are designed and constructed according to the highest standards of engineering practice, incorporating only accepted scientific principles of operation, and to obtain the highest degree of efficient, reliable and satisfactory operation with minimum cost of maintenance. The power heads can be furnished with any form of drive, belt, rope, chain, gear, or direct drive, from any type of driver.

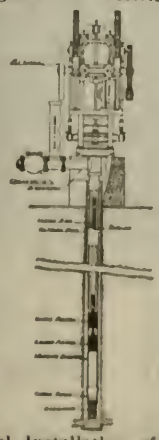
"Downie" Single Stroke Deep Well Pumps, Steam and Geared—Are suitable for pumping moderate quantities of water from a given size well, and where power economy is not so important as it is to keep the initial cost of equipment at a minimum for reliable operation. Guaranteed efficiency on "Downie" Single Stroke Pumps—over 55%.

"Downie" Double Stroke Deep Well Pumps, Steam and Geared—Should be used where a maximum quantity of water is wanted from a given size well, and where the highest possible degree of power economy is desired. These pumps produce an absolutely steady flow of water at the pump discharge. The guaranteed efficiency of "Downie" Double Stroke Pumps is over 80%.

Downie Class "B" Single Stroke Steam Pump Head—24-inch Stroke for use with Single Plunger Working Barrels.

Downie Class "G" Double Stroke Steam Deep Well Pump Head for use with two plunger working barrels.

Downie Class "A" Double Geared Single Stroke Deep Well Pump Head, belt drive, for use with single plunger working barrels. Can be direct geared to electric motor.



Typical Installation of Downie Double Stroke Geared deep well pump, direct geared to motor, showing two plunger working barrel in the well.

ENGINEERING SERVICE

An Engineering Service Department is maintained by the **Keystone Driller Co.** which is especially prepared to assist in the selection of equipment to fulfill any condition of requirements in the most economical, reliable and satisfactory manner. Those contemplating the installation of deep well pumping equipment are invited to present their problems. This service is free and carries no obligation. In presenting these problems, if the following information is given as far as possible in first communication, it will save time and correspondence:-

1. Quantity it is desired to pump, per minute, per hour, or per day of so many hours. 2. Pumping depth below ground surface (or mouth of well) when pumping the desired quantity. Note: If unable to give No. 2, state, if possible, the natural standing depth of water below ground surface, and how much it lowered when pumping any given quantity, stating quantity. 3. Vertical lift required above surface (if any), or pressure per sq. inch, into pressure tanks or mains. 4. Dia. of well, down to where it is likely necessary to set Working Barrel, also state total depth of well. 5. State kind of power available and form of drive preferred. Also whether driving power is to be included with pump, and if electric, state voltage if direct current, and cycles and phase and voltage if alternating current.

CENTRIFUGAL PUMPS

These pumps include a great variety of types and sizes from 1" to 15" inclusive for capacities ranging from 15 to 10,000 gals. per minute, and to operate against total heads up to 500 ft. or 215 lbs. pressure. They are particularly noted for their ruggedness, simplicity, and exceptionally high degree of economical operation. They can be furnished with any form of drive, belt, rope, chain, gear, or direct drive, from any type of driver. Guaranteed efficiency of "Downie" Centrifugal Pumps—50% to 80%, varying according to size and operating conditions.

Downie Double Stroke Geared Deep Well Pump Head for heavy duty with two plunger working barrel. Cut shows belt drive type. Can be direct geared to motor or fitted for any other form of drive.

Downie Double Stroke Geared Deep Well Pump Head direct geared to electric motor, for use with two plunger working barrels.

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San Francisco Los Angeles

Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday | SAN FRANCISCO, CALIF., APRIL 15, 1922 | Twenty-second Year No. 15

No. 560 Mission Street,
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MRS. L. A. LARSEN, Publisher

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Official Paper of Vallejo Builders' Exchange

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EDITORIAL COMMENT

In the early days when the hardy pioneers of California, saw the possibilities of a large commercial city on the shores of San Francisco bay, and laid the foundation for what is now the glorious city of San Francisco, they had difficulties to overcome that we, more fortunate successors to the task of making San Francisco "Queen of the Pacific" do not have to contend. Conditions in the pioneer period were anything but ideal. Hillsides must be blasted away, and vast vistas of sand dunes to be removed. There were grading, sewering, and other improvements entailing heavy expense, and in spite of these obstacles, home and industrial building progressed.

Today there are no such obstacles in the way of the man who can and will build. San Francisco is calling to carry on the good work already started. There are yet many vacant lots in various districts, where conditions for building are ideal, and it is up to the citizens of San Francisco to take advantage of the opportunity to build in the districts, where streets have been cut through, sewers laid, and the heavy preliminary expense eliminated.

To aid and encourage this movement the San Francisco Development Association is sponsor to the Home Beautiful and Construction Exposition which will be held at the Civic Auditorium, from April 25 to May 2, where all classes and varieties of building materials will be most attractively displayed.

The thing most necessary to the successful culmination of this building movement is the co-operation of those who control the city's finances, and in this matter the banks of San Francisco are in perfect accord, and have signified their intention of being represented at the Home Beautiful and Construction Exposition by exhibits and financial experts, who will be on hand at all times to advise in all matters financial.

The displays of building materials, equipment, and supplies will be made most attractive to the public eye, and a visit to the Home Beautiful and Construction Exposition will serve to fix in the public opinion the importance of the "Own your own Home" movement.

MARCH BUILDING ACTIVITIES SHOW NOTABLE INCREASE

Contracts awarded during the month of March in The F. W. Dodge Company's territory, totaled $293,636,000. That is a 65 per cent increase over February, and a 79 per cent increase over March of last year. If activities would hold up to that figure for 12 months it would mean a construction and building program of more than $5,000,000,000. It is doubtful if the construction facilities of the country could handle that program. It would mean the keenest sort of competition for labor and materials.

Of course activities will not hold up to the March record for the next 12 months. That they will hold up to the March record for the next three or four months is by no means an impossibility and it looks now as if the spring and summer seasons are to be seasons of abnormal activity in the building field. Cement and brick manufacturers report substantial improvement in demand. Lumber is moving more briskly than for many months. We are back to something resembling normal in building activities and the fellow who talks about the time "when building will revive" is pretty much out of date. The procession is marching by and it is time for those who want to be part of it, to get busy.

Building permit statistics for March which are now coming in, show a very satisfactory condition. They will be further evidence of marked improvement in building throughout the country.

All of this is important to the construction industry and of equal importance to general business for an infallible sign of returning business activity and prosperity is increasing activity in the construction field.

It is time to build. The convincing proof is that thousands and thousands of projects are going ahead; that builders are finding conditions favorable, that money is being invested in building operations in a volume unequalled since the great war started. Contractors and architects who are in touch with owners of contemplated projects may give some thought to the prudence of adivising these clients of the probability of increasing building costs in the not distant future. Demand stimulate prices. The demand has developed since the first of the year.—American Contractor.

LOS ANGELES BUILDING FOR MARCH TOTALS ELEVEN MILLIONS

March building activities in Los Angeles set a new high monthly record. The total number of permits issued during the month was 4241 with an estimated valuation of $10,964,829. Compared with March, 1921, the gain is a little more than $4,000,000. The activities of last month featured only two large building projects, a $1,000,000 structure of the Bank of Italy and a structure for the Southern California Telephone Company costing $515,000. Seventy-nine class C buildings were started during the month costing, $1,242,753. Housing operations make up the bulk of the activities. Permits were issued for 1725 dwellings, apartment houses and flat buildings with an estimated valuations of $5,526,000. These comprise 40.7 per cent of the total number of permits and 50.4 per cent of the total valuation for the month.

Activities in Los Angeles for April will undoubtedly exceed those of any in the history of the city. Up to and including April 4th, the city building department issued 522 permits for improvements totaling $958,549. It is expected that the April activities will include the proposed $5,000,000 Biltmore Hotel. With the hotel structure and the usual amount of operations a total in the neighborhood of $15,000,000 for the month is looked for.

FOUNDATION COMPANY AWARDED CONTRACT TO REBUILD LOUVAIN UNIVERSITY

The contract to rebuild the Louvain University Library has been awarded to the Foundation Company of New York, according to word received from Paris by the New York offices, and confirmed at the San Francisco offices of the company. Plant and materials necessary to complete the work will be assembled immediately and the work rushed to completion. Reconstruction of this structure is one of the most important yet decided upon in the devastated area. The cost of rebuilding is to be met by an average contribution of $1.00 per capita from all of the undergraduate students in the various colleges and universities in the country. The number of students of this class has been estimated to be about 1,000,000. The schools and universities are now taking the matter up vigorously and already several are reported as having met their quota of contributions 100%. Completed the structure will be an expression of American interest in the restoration of Belgium.

SEATTLE TO STAGE BUILDING AND REAL ESTATE SHOW

A building and real estate show will be held at the Arena, Seattle, May 23rd to 27th inclusive. It is to be a complete exposition of the building industry and real estate and is being backed by interests seeking to stimulate a home building campaign. It is planned to arouse general interest in the building of homes and other structures; to induce lot owners to build homes and others to buy lots and build on them. All information necessary for building will be given; how and where to select building sites; how to finance the building of a home, and how to proceed with the construction of one. Building materials, hardware, electrical, plumbing and other fixtures which enter into construction, as well as home furnishings of all kinds will be displayed in the exhibit. The Seattle Master Builders' Association endorsed the proposition, as did the Seattle Real Estate Association. The endorsements of the various other civic organizations of the city are being sought.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

Automobile Trades Association of Sacramento has endorsed the organization and aims of the American Highway Association. Purpose of organization is to co-ordinate, promote and aid the highway projects, local and national, now being promoted by local or regional interests, and to unite them in a national highway system, to raise a fund of $1,000,000,000 by private subscription for completion of paving this system. The system consists of five transcontinental highways and ten north and south highways, to be completed in five years. The organization also would promote the building of State highways connecting every county seat with the national system, and would aid in obtaining legislation to promote permanent highway construction.

Index numbers on construction costs have been compiled, taking the average of 1913 as 100. The peak in June, 1920, was 273.80. In March, 1921, this figure had declined to 224.27, in February, 1922, to 168.72, and in March, 1922, to 162.04. This decrease during the last two months is due to declines in steel cement and labor. The price of steel at Pittsburgh is $1.40; cement prices are down slightly in the Middle West, while the average hourly rate for common labor over the country is 43 cents against 45 cents since November 1, 1921. In other words, general construction cost is 28% cheaper than one year ago and 38% below the peak in 1920.—Industrial Digest.

More than $50,000,000 will be represented when the delegates to the Seventeenth Annual Convention of the California Building Loan League gather in Oakland, May 19 and 20. The total resources of the associations in the league aggregate approximately that amount. The object of the convention to be held here is primarily to add building and loan workers who are members, but through publicity and aroused interest the league expects also to acquaint many citizens of northern California with the nature of the movement. Two or three public meetings are planned.

Directors of the Nevada State Highway Commission will conduct an investigation into the cause of the unexpected resignation of Paul Carriger, field engineer of the department. Carriger is understood to have resigned because of the dismissal of R. F. Burris, one of his assistants, by State Highway Engineer Geo. Borden. Engineer Borden, commenting on the matter, declared there was no place in his department for anyone active in politics, and that he understood Burris planned to seek thhe nomination of Secretary of State.

The largest single contract for cement ever awarded in this country, with the exception of deliveries for the Panama Canal, has been obtained by the Southwestern Portland Cement Company of Los Angeles, according to the announcement of its president, Carl Leonard. The order calls for 400,000 barrels of cement to be delivered before January 1, to Twohy Brothers of Arizona, for use in paving 163 miles of highway in Maricopa County, Arizona.

The J. F. Parkinson Lumber Co., formerly in the hardware and lumber business at Palo Alto, has been revived. Offices have been opened at 543 Emerson street, Palo Alto. The Parkinson Company will absorb the American Lumber Co., operating mills at Cazadero and plans to make a feature of building homes "direct from our forests to you." The company will also absorb the Parkinson Bros. Safety Ladder Company. J. F. Parkinson, president of the company, will have as his associates his sons, Robert F. and B. G. Parkinson.

The Pittsburgh Builders' Exchange has established a scholarship for $300 at Carnegie Institute of Technology, Pittsburgh, Pa. Under the terms this amount will be available each year during the life of the scholarship to be awarded to meritorious students in the Department of Building Construction, College of Industries. Awards will be made on the basis of scholastic standing, good character, and evidence of the exceptional promise for success in the building construction industry. The scholarship may be divided at the discretion of the faculty.

Voters of Susanville, Calif., have again ratified the creation of a sanitary district, which provides for sewage disposal of the townsite and its additions. The election was made necessary by Court action invalidating the previous election creating a similar district. The creation of the district follows the rapid growth of the city making the present sewer system too small for present needs.

The American Red Cross is attempting to locate Paul and Oscar Rickman, sons of Mr. and Mrs. Geo. Rickman of Coburg, Oregon. Both went to war, one a sargeant 1st class, Company A, 14th Infantry—the other a seaman on the Cruiser Maryland. The latter was wounded in action. Any information should be sent to Pacific Division Office, American Red Cross, Civic Auditorium, San Francisco.

The Reno, Nevada, Builders' Exchange has adopted by-laws and working rules, as recommended by the Board of Directors and the Building Committee of the Chamber of Commerce. Between sixty and seventy contractors and materialmen has field applications for membership in the newly organized body which will commence to function May 1.

Seattle Chapter, American Association of Engineers, has elected the following officers: president, Major Garrison Babcock; first vice-president, J. W. A. Hollong; second vice-president, E. J. M. Gilman; third vice-president, H. J. M. Baker; fourth vice-president, W. J. Bennett; secretary-treasurer, W. H. Wolfendale.

According to word from Quincy, several lumber companies operating in Plumas county have completed arrangements to open up logging camps the third week in April. Although this is over 30 days later than the opening of 1921, the concerns are highly elated that operations have not been further hindered.

Building expenditures of 109 cities of the United States during March, totaled $194,661,072, the greatest amount ever known in any one month in this country's history, according to Bradstreets. The biggest increases are noted in New York, Chicago, Philadelphia, San Francisco, Seattle and Portland, Ore.

The California Peach and Fig Growers' Association plans the erection of $1,000,000 Blue Ribbon packing plant in Fresno, to replace the structures recently destroyed by fire. Plans for the proposed plant were prepared two years ago, but due to the financial situation construction was postponed indefinitely.

Tehama county supervisors contemplate changes in charter which would provide for appointment of county surveyor instead of elective official. Under the revised law he would be appointed by the supervisors and designated as road engineer and would have charge of all bridge and road work.

Wm. Stranahan, commissioner of public works, city of Fresno, recommends that city council appropriate $100,000 to provide a sewage system. Cableway machinery estimated to cost $15,714, and truck and trailers costing $33,500 are among the largest items in the recommendation.

Unfilled tonnage of the United States Steel Corporation increased 353,079 tons, according to announcements. Unfilled tonnage totaled 4,494,148 tons March 31, as compared with 4,141,069 on February 28, and 4,241,678 on January 31, and 6,284,765 on March 31, 1921.

An appropriation of $750,000 is carried in the 1923 Naval Bill to deal with serious damage to dykes, wharves and key walls at the Mare Island Navy Yard caused by the teredo. The Navy Department has estimated it will cost $2,800,000 to offset the teredo damage.

Building permits issued in Seattle during the month of March total 968. Improvements carried on under these permits represents an expenditure of $1,791,670. Since the first of the year, 2321 permits have been issued, aggregating construction costing $4,209,505.

A bill, passed by the New York Legislature and creating a State Department of Purchase to buy all supplies for state departments and institutions, has been signed by the Governor who is authorized to appoint a superintendent for the department at a salary of $10,000 a year.

Frank A. Costello, has been re-elected president of the California Pottery Company. Other officers are: E. A. Forde, vice-president; F. B. Fancher, treasurer; J. R. Flynn and E. R. Hoerchner. The latter is the company's attorney.

The King Manufacturing Co. has started operations at Pittsburg, Calif. The company will manufacture plaster board and according to R. W. King, president and general manager, the initial output of the plant will be 5000 square feet a day, or a carload a week.

ALONG THE LINE

The Sonoma Magnesite Company's mines and equipment in the Guerneville section, Sonoma county, were sold at public auction to the National Magnesite Products Corporation for $175,000. The property has been the subject of much litigation for a number of years. The sale was under a judgment secured by the products company which with costs, amounts to something like $280,000. J. R. Leppo of Santa Rosa, and Sterling Carr of San Francisco represented the products corporation in the proceedings.

Geo. W. Borden, Nevada State Highway Engineer, has been elected president of the Nevada Chapter, American Association of Engineers. H. P. Boardman was chosen first vice-president; L. W. Crehore, city engineer of Fallon, second vice-president; J. Carlton Bray, third vice-president; Ronald A. Fraser, secretary and treasurer.

The Monolith Portland Cement Company, Los Angeles, has been authorized by the State Corporation Department to sell 100,000 shares of its preferred and 50,000 shares of its common capital stock at $10 par for cash. The sales are to net 80 per cent.

The Lee Moor Contracting Co., of El Paso, Texas, on a bid of $177,880, awarded contract by state highway commission to construct 12.3 miles of reinforced concrete highway between Banning and Whitewater in Riverside county.

State Highway Commission and counties of Placer and Nevada will construct bridge over Bear river on state highway; commission to pay one-third the cost and the counties one-third each. Bridge will cost $30,000.

Harry C. Leyden has been appointed superintendent of highway construction and maintenance by the Fresno county supervisors. Leyden will be installed July 1, and will receive a salary of $3600 a year.

O. C. Tretten, for the past two years field engineer for the Portland Cement Association, with headquarters at Sacramento, has been appointed acting district engineer for that association with headquarters at San Francisco.

Duff A. Abrams, professor in charge of the structural material research laboratory of Lewis Institute, Chicago, Ill., will lecture to the engineers of Sacramento, May 17, on the subject, "Concrete."

The T. H. Buck Packing Co. of Sacramento has leased from the Southern Pacific Company a tract of land in Dinuba, Tulare County, and will erect a fruit packing plant, 50 by 250 feet.

C. N. Clark and J. H. Wooden of Fresno have formed the Independent Ice Company and will erect a 25-ton capacity plant at A and Pickford Sts.

Master Painters' Association to Picnic at Paradise Cove Next Month

The members of the Master Painters' Association believe in enjoyment as well as in business. Listen what they are up to now. The Picnic Committee headed by that genial master of entertainment Henry Kern made the following report:

"The Master Painters and Decorators will have a Boat Ride and Family Picnic on Sunday, May 28th, 1922.

Two of the largest excursion boats (double deckers) are engaged, the capacity of each is 250 people, so we can accommodate 500 people.

One boat will leave from Pier 14 (Crowley's) Howard Street Wharf, San Francisco at 9 A. M. The other boat will leave at Franklin and 1st Streets, Oakland, at 8.30 A. M. sharp. We will steam around the bay for about two hours to view points of interest and land at Paradise Park between 11 and 11.30 A. M., leaving there again at 5 P. M.

Paradise Park is a beautiful and well shaded Picnic Park in Marin County, with a good and large Dancing Pavilion A strong band will liven up matters at the boats and for the dancers at the Pavilion. Games and other entertainments with suitable prizes for young and old, tall and short, fat and thin, will be plentifully provided for, also swimming and boating.

Bring your own refreshments, solid and liquid. Soft drinks, ice cream and sandwiches are for sale at City prices.

A photographer will be with us to take a group and other pictures, the group picture will show the largest gathering of Master Painters and Decorators that ever took place in the State of California, and as a moving lens will be used, the party at the end will show as clear as the one in the center.

You and your friends are cordially invited, but in order to be accommodated file your application as soon as you receive return postals.

Members of the Builders' Exchange are especially invited."

Building Wages and the Cost of Living

Building wages and the cost of living are featured in the latest issue of Index, a statistical service for the construction industry, published by the Associated General Contractors of America. Charts show the actual relation of wages now being paid in certain typical cities to the wages paid in the same cities in 1914, and also the relation which the present wages bear to the cost of living in December, 1920. The cost of living has been determined by the Department of Labor.

Comment accompanying the charts follows:

"In general it is evident that the percentage increase of certain wages over pre-war wages is by no means uniform in the different trades, nor is the general average of these increases uniform in the different cities as compared with the changes in the cost of living. It is clear that the wages now being received by some of the trades enable them to buy more of the good things of life than they could with the pre-war wages, while in other cases the present wage will purchase a considerably poorer living than the wage which ruled in 1914.

In Boston, out of thirteen trades, three are receiving slightly more than sufficient wages to compensate for the present cost of living as compared with that of 1914, four are receiving almost enough, and six decidedly less than sufficient to provide a scale of living equivalent to what could be bought under pre-war wages and conditions.

Workers in the building trades in Washington, D. C., have thus far been decidedly more successful than those in other cities in boosting their effective wages above the pre-war standard. Every one of the twelve Washington trades shown in the Diagram are receiving wages which, in purchasing power, are considerably in excess of the wages prevailing in 1914.

Baltimore is one of the cities where building trades artisans are better off financially than they were before the war. All but one of the ten trades shown in the diagram are now receiving wages having a purchasing power in excess of the wages received in 1914.

In Los Angeles, eight out of twelve trades are receiving wages sufficient to substantially more than compensate for the present cost of living as compared with the pre-war cost. On the other hand, four of the trades, among them common labor, are receiving less than sufficient to compensate for the increased cost of living.

The wages shown for Chicago, are those established by the Landis Decision. In the case of the nine trades for which we were able to make comparison it appears that the rates under the Landis Decision are in no case sufficient to procure as good a living on the basis of present costs as was purchasable by the wages prevailing in 1914."

WATER AND POWER ACT WOULD INJURE SAN FRANCISCO, SAYS ATTORNEY

San Francisco would be hurt rather than helped by the proposed water and power act, yet it is asked to bear a large share of the $500,000,000 bonding load that would be placed on the State by the proposed legislation, Eustace Cullinan said in the course of his argument in a joint debate with Mayor Louis Bartlett of Berkeley before the Park-Presidio Improvement Association of San Francisco.

Cullinan argued that under Section 12 of the proposed act, political subdivisions between the source of hydro-electrical supply and the city would have the right to tap the transmission in preference to the city.

"The charge that this measure would impose on the people a bond issue of $500,000,000, which would have to be retired by taxation, has no foundation in fact," said Mayor Bartlett.

"Under the act, California can get the additional credit necessary to bring the Hetch Hetchy water from Mocassin creek, build the necessary transmission lines and acquire or construct a distributing system."

THE CONCRETE BUILDER

The Concrete Builder—a monthly booklet issued by the Portland Cement Association, in its March-April issue, contain several articles of interest to the building fraternity. Among the articles are "Vibration Method Speeds Up Production in California Concrete Brick Plant," "Portable Buildings Made of Concrete," "Dehydrating Plants of Concrete Blocks Popular in California," and "Concrete Stave Well Pits Provide Good Winter Business for Silo Manufacturer." The latter article is written by Guy G. Noble, of Tulare, Calif.

Why San Francisco "Exiled the Labor Czar"

Further evidence of the interest aroused among the people of the East by the story of San Francisco's emancipation from labor tyranny, told by Robert Newton Lynch, vice-president and manager of the San Francisco Chamber of Commerce, during the speaking tour which he is now making, is contained in a column interview with Mr. Lynch, appearing in the New York Times. The interview under the heading "Why San Francisco Exiled the Labor Czar," is published complete.

This is the tale of the worm that turned—how the public in a community threatened with strangulation by labor conditions, especially in the building trades, rose in the might of more than 500,000, drove a seemingly all-powerful labor Czar into exile, abolished vicious secret agreements between contractors and organized labor leaders, and forced the recognition of the right of every union or non-union man to work.

It is a story of San Francisco's fight for economic freedom as it was related yesterday by Robert Newton Lynch, Vice-President and Manager of the San Francisco Chamber of Commerce, in his room at the Pennsylvania Hotel. Mr. Lynch said he had come East at the request of various cities and private organizations to tell "how it was done."

"San Francisco's fight," Mr. Lynch said, " has not been against organized labor, but against the evil and destructive system imposed upon the workingman, the employer and the public by the power-drunk leaders of organized labor. San Francisco has tumbled some of these labor leaders from their thrones and has given to workingmen a measure of freedom never before known.

"The worker in San Francisco is not restricted as to output, nor is there any artificial check on his earning capacity. He is paid for what he does and he does what he is paid for doing. But for the public and for the investor the gain has been just as certain and just as great. We have stabilized the whole element of labor cost in industry. We have abolished the vicious secret agreements, under the operation of which the public was the helpless victim of employer and employee."

Mr. Lynch said San Francisco had learned a lesson five or six years ago, when, during a strike of the longshoremen, the people had to take things into their own hands to enforce law and order. In that case, Mr. Lynch said, they finally "made violence unfashionable and picketing unlawful." And so, two years ago, when the situation in the building trades became acute, the city was more or less prepared for the action it took.

"I do not believe anybody who was not a resident of San Francisco can realize the tight hold certain leaders of organized labor had on our whole city," Mr. Lynch said. "P. H. McCarthy, head of the Building Trades Council, was a czar whose orders neither employer nor employe dared question.

"McCarthy was honest, but his grip on all building work in the city became a cord of strangulation around the neck of San Francisco. Owners and contractors had to deal with McCarthy when they wanted to erect any sort of building. The labor czar, through his power, caused an embargo to be put on materials coming into the city until a builder not only had to employ McCarthy's men but had to buy his materials where McCarthy directed. If you wanted to put hardwood floors with Michigan lumber, you had to put the wood through the planes of a San Francisco mill 'dummy' it through, the knives being removed. Rules upon rules were promulgated by the unions under McCarthy's control, until it might take five crafts to put in a window frame. Output was restricted, and the men demanded more and more money—and got it.

"Representative manufacturers, understanding conditions in San Francisco, avoided the city, because they would not trust themselves under the domination of a labor tyranny. Politics in the city was permeated with this influence. McCarthy himself, once was elected Mayor.

"In October, 1920, the contractors tried to make a stand against the unions, but they were too weak and most of them were sewed up by secret agreements; so they failed.

Then the Chamber of Commerce persuaded both sides to arbitrate. The contractors were glad of the chance and McCarthy never for a moment thought his power would be challenged. Three able, disinterested men were selected, Edward J. Hanna, Roman Catholic Archbishop; Max Sloss, a former judge, and George L. Bell, who served as arbitrator in a garment strike in New York. Both the labor leaders and the contractors agreed to accept the award of the board.

"In March, 1921, the board announced its decision, calling for a 7½ per cent reduction in wages. McCarthy, astonished, wrote a letter dismissing the board. He said the unions would consider no decision that carried a wage decrease. A general strike was called for May 9.

"This cool abrogation of the pledge to abide by the decision of the board aroused San Francisco. The Chamber of Commerce determined to fight McCarthy from the drop of the hat. A fund of $100,000 to organize for the fight was subscribed.

"What followed is the most remarkable example of thoroughly roused public sentiment I have ever witnessed. We went to every business man in San Francisco—bankers, lawyers, tailors, butchers, grocers, restaurant keepers, doctors, clerks, etc. We put the question to them: 'Shall a handful of men be permitted to throttle the community?' The answer was the creation of a powerful organization, with a battle fund of $1,300,000 subscribed from every part of the city.

"We served notice that on June 13, the principle of the closed shop would cease to operate in the building industry of San Francisco. We organized guards and established employment bureaus as far East as Chicago.

"McCarthy at first, laughed and said the tumult would die down. But he grew worried as our organization grew and he realized the people meant business. Our organization took over all building projects. Contractors and owners were forced to obey us, even though they differed a bit financially. We said publicly we would be content at the beginning to erect only a few necessary buildings, but they would be done on the American plan, where no man would be denied opportunity to work at the job for which he was best fitted, regardless of union affiliations or whether he belonged to any union or not. There would be no more secret agreements between anybody, and the builder should have the right to put in a job what material he chose, provided it met the legal safety requirements.

"On June 12, McCarthy offered to give in on every point, but we decided that an organization that couldn't live up to its pledged word was not to be trusted, and we turned him down. The next day we started work. Union men who came were given jobs and worked alongside non-union men. It wasn't long before his own organization repudiated McCarthy, in an effort to get us to go back to the old way. We refused and there was a rush to work under our system by virtually every man who had followed McCarthy.

"They asked us how a workingman's wage would be protected. We answered that, as the Chamber of Commerce, we were not anxious to exploit labor, but were desirous of getting a living wage for every worker. The scale in 1921 was that which was fixed by the Board of Arbitration that McCarthy had refused.

"Now, this fight had cost just $300,000—and we had $1,000,000 left. The Chamber of Commerce felt that it could not remain on a militant basis so far as its relations with labor were concerned, and a Permanent Industrial Association was formed to carry on the work. The $1,000,000 was turned over to it as an endowment fund. It has proved so far a tremendous success.

"In December, a new scale of wages was announced for the city in every trade connected with the building industry. The association sees to it that these wages are maintained. The politicians are with us now and the workingmen are contented. We've swept the decks and we're going to keep them cleaned up. From being a notoriously closed-shop town, San Francisco has become practically an open-shop community. Nearly 80 per cent of the employes work in places committed to such policy."

SACRAMENTO BUILDERS WILL DISPLAY WARES AT SCIOTS' EXHIBITION

Materialmen, contractors and architects of Sacramento, have perfected plans whereby the building industry will have a display at the Sciots' Industrial Exposition to be held in Sacramento. Every effort will be made in the display to encourage the home builder and businessman to proceed with his contemplated improvement.

The display will be similar to one recently held in Stockton, and will be under the personal supervision of Frederick S. Harison, Sacramento architect. Others interested in the exhibit are A. W. Norris, Harold Dixon, P. F. Reed, Joseph Saunders, Chas. Johnson, Thomas Cain and F. E. Conner.

PROTECTING STATE HIGHWAYS FROM ABUSE BY TRUCKS

The California Highway Commission, cooperating with the Supervisors and Traffic officers of the State, is making a determined effort to stamp out overloading. The Commission has organized an inspection department under direction of Major C. L. J. Frohwitter, a retired army officer, who has five assistants, mostly ex-service men deputized by the Motor Vehicle Department.

These inspectors equipped with automobiles and loadometers for weighing trucks on the highways where found are working through the State where overloading is most flagrant. To date, Major Frohwitter reports that 50% of the trucks apprehended violated either the gross weight or tire provision of the Motor Vehicle Act.

Much of the abuse was due to ignorance of drivers or owners of the provisions of law, and in general they were glad to be put right and expressed a desire to observe the law. However, many cases of serious overloading without excuse came under observation, and drivers were obliged to remove excessive loads before proceeding.

This condition bears out the experience of Connecticut where the state and federal road authorities carried out a recent survey and found 33⅓% violations, mostly among trucks from 3½ to 5-ton capacity, some loads being as high as 62% overload, and 69% of trucks on regular trucking lines had a total weight of truck and load in excess of legal limits.

This condition shows the need of more adequate policing of State highways if the highways are to be protected from abuse. It is a most important detail of maintenance, like the stitch in time, and should in the future be a regular function of the State highway department, with ample provision therefor made by the next legislature.

ENGINEERS' EXAMINATIONS

The State Civil Service Commission is arranging to hold a series of examinations covering practically the entire range of engineering positions in the State service. The complete series, it is announced will consist of more than thirty examinations, and will be held to secure eligibles for positions with the Highway Commssion and other divisions of the State Department of Public Works, Harbor Commission, Mining Department of the Corporation Commission and the State Mining Bureau.

CALIFORNIA BUILDING COMPANY SUED FOR $11,000

Alleging that an overcharge of $11,000 was made by the California Building Company, when the company constructed a $35,000 apartment house for her deceased husband, in Richmond, Mrs. Susana Eybel, administrator of her husband's estate, has brought action against the building company to recover the amount alleged overcharge.

The complaint sets forth that the overcharge was made possible in a transaction which concerned the transfer of securities to pay the cost of the building and that $11,000 was wrongly transferred by the deceased husband of the plaintiff to the credit of the defendant company. The plaintiff asks the return of the money with interest.

It is claimed that the discovery of the overcharge was not made until recently when the estate was being settled.

ROADS AND DOLLARS

Reports which have reached the President's conference on unemployment since January 1 indicate that highway construction in the various States will provide work for 200,000 men during 1922.

Under the provisions of the Federal Highway Act, thirty States have informed the office of Colonel Arthur Woods, Chairman of the Emergency Committee in Washington, that plans are under way to build 6,261 miles of good roads.

This Act was one of the recommendations of the Conference as an emergency measure to provide jobs for the nation's unemployed. A fund of $75,000,000 was created, to be appropriated among the States taking advantage of the Act, each State to have its own allotment for road construction matched by a similar amount from the Federal Government.

Estimates by Governors show that $40,000 will be the average amount per mile expended. When the work is approved by Federal inspectors, the State will receive from the United States about $20,000 per mile.

"The Federal Highway Act," said Colonel Woods, "ought to result in a large extension of good roads mileage throughout the country. At the same time it is helping to solve the unemployment problem until our various industries pass through the present crisis and take up the slack that puts every willing worker in the country back on the payroll. In addition the taxpayer will benefit as well as his unemployed neighbor by the opening up of new districts and the improvement of existing highways."

ARCHITECT TO SETTLE CHURCH ERECTION CONTROVERSY

After one day of testimony and argument in court the plaintiff and defendants in the case of S. J. Weeks vs. First Presbyterian Church of Vallejo, have agreed to allow Judge W. T. O'Donnell, Solano County, to select either an architect or engineer to whom will be submitted all plans, estimates, costs and bills for lumber and labor, and who will decide the controversy between the two factions in the suit.

The complaint was filed by Contractor S. J. Weeks, who asked judgment in amount of 989.80, alleging that that amount was due on extra material and labor furnished in the building of the church and which was authorized by the directors of that corporation.

The defendants answered the complaint by alleging that the inside of the church was built of unseasoned lumber, the doors were furnished in a like manner, as were the rails, stairs and posts, and alleging that to repair such deficiencies would cost $1760.

The original plans have been filed with the county clerk and will be given to the arbitrator chosen by the court for his decision.

PLUMBERS ORGANIZED SANITARY LEAGUE

The Sanitary Development League composed of plumbing manufacturers, agents, master plumbers and jobbers, was organized at a recent meeting in the Palace Hotel.

The organization is the outgrowth of a "Plumbers' Day" luncheon held by the California Development League at which men identified with the plumbing business were present and conceived the idea of forming an organization of their own. The purpose of the new league is to establish closer relations among the participants in the plumbing industry.

NEW ARCHITECTURAL FIRM WILL OPEN OFFICES

Frank V. Mayo, architect of Stockton, Arthur E. Cowell, present engineer for Merced county, and Howard G. Bissell, formerly of New York and San Francisco, have formed a partnership and will operate under the name of "Mayo, Cowell and Bissell, Associated Architects and Engineers."

Architect Mayo is well known along the Pacific Coast and particularly in the San Joaquin valley where he designed many private projects in addition to several schools and a number of other public structures.

Engineer Cowell is a member of the American Association of Engineers and has practiced engineering for more than twenty years, the greater part of which time he held the office of surveyor for Merced county.

Howard G. Bissell has held positions with Warren & Wetmore of New York, architects for the Vanderbilt, Ritz, Carlton and other hotels, and with Thomas W. Lamb, theatre architect of New York. Architect Bissell has traveled extensively in European architectural centers and served for two years abroad during the world war as an officer in the infantry.

PROPOSED ORGANIZATION WILL CONTROL LOG OUTPUT

According to word from Astoria, Ore., a well defined plan is said to be under way, although still in its preliminary stages, to form an organization which will control the output of the various logging camps in the lower Columbia river district and thus regulate the prices at which logs shall be sold. Parties familiar with the project say that two plans are under consideration. One is to pool the interests of the timber-owning companies into one big syndicate which will operate the several camps.

LOS ALTOS WATER COMPANY SHOWS LOSS FOR YEAR

Los Altos Water Company, operating in Los Altos, reports to the railroad commission for the year 1921, that its operating revenue was $7405.90, operating expenses $7030.55, giving a net operating revenue of $375.35. Miscellaneous non-operating revenue amounted to $72.90. Interest, rent and other deductions totaled $2001.50. The net corporate for the year was $1553.25. The deficit at the beginning of the year amounted to $32,496.90. Miscellaneous deductions were $4. The accumulated deficit at the end of the year amounted to $34,054.15.

MANUFACTURED HOUSES

A plan is on foot to manufacture houses along the lines of the assembling process used in Ford automobile production. Six-room houses will be built on small lots at the rate of one a day, and will be erected complete, including the lot, for less than $6500, or not over six dollars per month per room on a 6% basis, exclusive of taxes, insurance, depreciation and repairs. It is estimated that 10% of building costs will be saved to the buyer. Standardized material will be manufactured in quantity for every part of the house, which will be shipped by truck to the point of erection from stockyards conveniently located.—Industrial Digest.

If the principle of woman suffrage were extended to some of these building trades strikes a big dent would be made in the unemployment problem

Building News Section

APARTMENT HOUSES

Contract Awarded.
STORE AND APARTMENT BUILDING Cost, $13,961.
PASO ROBLES, San Luis Obispo Co., Cal.
Two-story brick store and apartment house building (3 stores and 6 3-room apartments).
Owner—Clark Smith, Paso Robles.
Architect—Miller & Warnecke, Perry Bldg., Oakland.
Contractor—Theo. Maino, San Luis Obispo, Cal.

Completing Plans.
APARTMENTS Cost, $——
STOCKTON, San Joaquin Co., Cal.
Two-story brick apartment house (20 apartments of 2 and 3 rooms).
Owner—Louis Jacobs.
Architect—Glenn Allen, 37 South Aurora St., Stockton.

Sub-figures Being Taken.
APARTMENTS Cost, $40,000
SAN FRANCISCO. S Clay 100 E Polk.
Three-story and basement frame (12) apartments.
Owner—Kincanon & Perego, 159 Sutter St., San Francisco.
Plans by owner.

Sub-figures Being Taken.
APARTMENTS Cost, $150,000
SAN FRANCISCO. W Leavenworth 62-6 N Geary.
Six-story and basement reinforced concrete apartment house (35 apts., 11 2-room and 24 3-room).
Owner—Grace Perego, 159 Sutter St., San Francisco.
Architect—None.
Contractor—Kincanon & Perego, 159 Sutter St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $17,000
OAKLAND. SW Grand and Jean Aves.
Two-story frame apartments.
Owner—Dr. J. J. Moyer, 14th and Jefferson Sts., Oakland.
Architect—None.
Contractor—Mervin P. Rose, 940 Oxford St., Berkeley.

Contract Awarded.
APARTMENTS Cost, $25,000
OAKLAND. E Grand Ave. 150 N Weldon.
Three-story frame apartments (24 rooms).
Owner—H. Danskanen, 647 Alvarado St., San Francisco.
Architect—None.
Contractor — M. Felix Sommarstrom, 2215 Park Blvd., Oakland.

Plans Being Prepared.
APARTMENTS Cost, $30,000
SAN FRANCISCO. Broadway and Taylor Streets.
Three-story frame and plaster apartment house (3 4-room and 1 5-room apartments).
Owner—Withheld.
Architect—E. H. Denke, 1317 Hyde St., San Francisco.

Contract Awarded
APARTMENTS Cost, $20,000
SAN JOSE, Santa Clara Co., Cal. 10th and San Carlos Sts.
Two-story frame apartment house.
Owner—E. W. Bentlein.
Architect—H. W. Higbie, Porter Bldg. San Jose.
Contractor—E. Nerremansen, 134 Sixth St., San Jose.

Plans Completed—To be done by Day's Work.
APARTMENTS Cost, $175,000
SAN FRANCISCO NE California and Gough.
Nine-story class A reinforced concrete community apartment house (8 8-room apts. with music room and organ loft on roof, and garage in basement).
Owner—Withheld.
Architect—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.
Construction will be started by the first of May.

Plans Completed.
APARTMENTS Cost, $40,000
SAN FRANCISCO. S California 32 E Octavia.
Three-story and basement frame (9) apartments.
Owner—G. W. Burnett, 141 Sutter St., San Francisco.
Architect—C. H. Skidmore, Call Bldg., San Francisco.

Figures to be Taken Shortly.
APARTMENTS Cost, $100,000
ROSEBURG, Oregon.
Three-story (50 2 and 3-room) apartments 100x104.
Owner—Geo. Kohlhagen, Roseburg, Ore.
Architect—R. W. Jones (Inland Construction Co.), Railway Exchange Bldg., Portland, Ore.

Plans Being Prepared.
APARTMENTS Cost, $500,000
SAN FRANCISCO. NW Washington and Gough Streets.
Seven-story reinforced concrete community apartment house (2d unit)
Owner — Two Thousand Washington Street, Inc.
Architect—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.
All the apartments in the second unit have been sold and construction will be started shortly. The frame of the first unit is completed.

Plans Being Prepared.
APARTMENTS Cost, $200,000
SAN FRANCISCO. Western Addition
Eleven-story and basement (Class A reinforced concrete apartment house (20 5 and 6-room apts.)
Owner—Withheld.
Architect — C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.

Segregated Figures Being Taken.
APARTMENTS Cost, $18,000
SAN FRANCISCO. Buchanan and Herman Streets.
Two-story and basement frame and plaster apartment house.
Owner—W. S. McIsed.
Architect—Meyer & Johnson, Bankers' Investment Bldg., San Francisco.

Contract Awarded.
APARTMENTS Cost, $31,038
BURLINGAME, San Mateo Co., Cal. NW Burlingame Ave. and El Camino Real.
Two-story frame apartment house.
Owner—Annie L. Turner Johnson, San Mateo.
Architect—W. H. Toepke, 942 Market St., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco.

REMOVAL NOTICE

Arthur Priddle, the Public Quantity Surveyor and Estimator, Business Construction Manager and Valuation Engineer has removed his office to Room 606 the Williams Building, No. 692 Mission Street, S. E. Corner of Mission and Third Streets, San Francisco. Telephone connection to be announced later. Architects, Contractors and Owners, please note.

Contract Awarded.
APARTMENTS Cost, $60,000
SAN FRANCISCO. NE Buchanan and Oak Sts.
Three-story frame (27) apartments.
Owner—A. L. Nelson, 77 O'Farrell.
Architect — Wm. F. Gunnison, 1666 Golden Gate Ave., San Francisco.
Contractor—E. K. Building Co., 77 O'Farrell St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $12,000
SAN FRANCISCO. NE Clement St. and 16th Ave.
Three-story and basement frame (6) apartments.
Owner—T. I. Strand, 614 Broderick St., San Francisco.
Architect—Not Given.
Contractor—T. B. Strand, 4 Steiner St., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $25,000
SAN FRANCISCO. 26th Ave. and Fulton Street.
Two-story frame and plaster apartment house (4 4-room apts.)
Owner—Oscar Heyman & Bro.
Architect—Alvin J. Stern, Bankers Investment Bldg., San Francisco.

Owner Taking Sub-figures.
APARTMENTS Cost, two, $40,000, and one, $20,000.
OAKLAND. Two near Lake Merritt and one in E-Oakland.
Three 3-story frame apartment house buildings.
Owner — M. F. Sommarstrom, 3145 Champion St., Oakland.
Architect—Clay N. Burrell, First Savings Bank Bldg., Oakland.

Plans Ready for Figures.
APARTMENTS Cost, $18,000
OAKLAND. E-19th St. near Athol.
Three-story frame and stucco apartment house.
Owner—John Tisch, 14th and Broadway Oakland.
Architect—Clay N. Burrell, First Savings Bank Bldg., Oakland.
Figures will be taken immediately for a general contract.

BANKS

Contract to be Awarded on a Percentage Basis.
ALTERATIONS Cost, $25,000
HAYWARD, Alameda Co., Cal.
Alter and extend banking room in brick building.
Owner—Bank of Hayward.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.
Contractor—Jacob Tharp, Hayward.

BONDS

MADERA, Madera Co., Cal.—City trustees will call election to bond for park and camping grounds; pumping fire engine; water system and purchase of city hall site.

SAN LUIS OBISPO, Cal.—Council plans election to vote bonds of $20,000 for sewerage extensions, $15,000 for septic tank, six culverts $7000, and $15,000 for street improvements. W. B. Burch, city engineer.

WOODLAND, Yolo Co., Cal.—Grafton School District will vote May 2, on question of issuing bonds of $50,000 to finance construction of new school. Trustees of district are: Geo. H. Fish, J. F. Anderson and W. W. Hopper.

SANTA ANA, Cal.—Proposed to install an addition costing $75,000 to city water plant to generate electrical current for street lighting and city buildings was defeated.

MADERA, Madera Co., Cal.—Until May 2, bids will be received by Supervisors for purchase of $12,000 bond issue of Howard School District; proceeds of sale to finance construction of new school.

STOCKTON, San Joaquin Co., Cal.—Calaveras School District will vote May 1 on question of issuing bonds of $16,000 to finance construction of a new school. Trustees of district are: W. A. Odor, C. A. Osborn and James Brumby.

STOCKTON, San Joaquin Co., Cal.—Council plans election to vote bonds of $125,000 to finance extensions to fire and police alarm systems. W. B. Hogan city engineer.

LOS ALTOS, Santa Clara Co., Cal.—Los Altos School District will vote May 2, question of issuing $47,000 to finance new school building. Trustees of district are: Harry A. Dutton, Guy V. Shoup and A. C. Cooper. W. H. Weeks, 369 Pine St., San Francisco, is the architect.

AUBURN, Placer Co., Cal.—Election held to vote bonds of $60,000 to purchase water system of Pacific Gas and Electric Co., defeated.

ST. HELENA, Napa Co., Cal.—Bonds of $60,000 voted to finance purchase of privately owned water system. Issue provided $70,000 of which $10,000 will be used for improvements.

AUBURN, Placer Co., Cal.—Election held to vote bonds of $65,000 for municipal water system failed to carry.

HANFORD, Kings Co., Cal.—Until May 4, bids will be received by the Supervisors for the purchase of $65,000 bond issue of Lemoore Union Elementary School District; proceeds of sale to finance school improvements.

SONOMA, Sonoma Co., Cal.—Second election held in Dunbar Union School District, to vote bonds of $30,000 for new school failed to carry.

STOCKTON, San Joaquin Co., Cal.—Until May 1, bids will be received by Board of Education for purchase of $271,000 worth of elementary school bonds; proceeds of sale to finance school improvements.

PORTERVILLE, Tulare Co., Cal.—Bond election for $19,000 to purchase city hall site, failed to carry at recent election.

PASADENA, Cal.—At a recent election $3,236,500 in bonds were voted by city as follows: $920,000 for park improvements; $175,000 for water works; $412,000 for sewage disposals; $12,000 for an isolation hospital; $25,000 for comfort stations; $825,000 for street openings; $117,000 for the fire department, and $750,000 for a municipal auditorium.

SAN MATEO, San Mateo Co., Cal.—City votes bonds of $124,000—$14,000 for 2 reinforced concrete bridges, one in San Mateo Park and another in East San Mateo; $35,000 to pave street intersections at Hayward Park and East San Mateo; $50,000 to improve and widen portions of Baldwin Ave.; $25,000 to construct main sewer in East San Mateo to serve "Pacific City" amusement center and East San Mateo properties.

PLACERVILLE, El Dorado Co., Cal.—Bonds of $10,000 voted to purchase auto chemical engine and construct hose tower.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—Bonds of $46,000 for sewer construction and $14,000 to lay out civic center, defeated at recent election.

MADERA, Madera Co., Cal.—Voters fail to authorize bond issue to purchase of site and establishment of camping grounds; purchase of fire engine and city hall site, and improving water system.

REDWOOD CITY, San Mateo Co., Cal—Election to vote bonds of $30,000 to acquire municipal water works defeated by small majority.

ROSEVILLE, Placer Co., Cal.—Election held to vote bonds of $155,000 for municipal water system failed to carry.

TURLOCK, Stanislaus Co., Cal.—The $36,000 bond issue of the Turlock School District sold for premium of $2150; proceeds of sale will finance school improvements.

OAKDALE, Stanislaus Co., Cal.—Election to vote bonds for municipal hospital, costing approximately $40,000 will be held in near future.

CARMEL, Monterey Co., Cal.—Town votes down bond issue for purchase of playground and city hall site, for fire apparatus and erecting new city hall.

LONG BEACH, Cal.—Proposition for sewage disposal plant costing $100,000 will be on ballot at special election, April 18.

SANTA BARBARA, Cal.—Petition asking for proposition on ballot at coming election asking for $250,000 to extend water distributing system, has been put in circulation.

FAIRFIELD, Solano Co., Cal.—Election to vote bonds of $10,000 for street paving failed to carry.

CHURCHES

Figures to be Taken Shortly on Revised Plans.
CHURCH Cost, $60,000
VALLEJO, Solano Co., Cal. Carolina and Sonoma Streets.
Brick church.
Owner—First Baptist Church of Vallejo.
Architects—E. C. Hemmings, Ochsner Bldg., Sacramento, and W. A. Jones of Vallejo.

Figures to be Taken Shortly.
CHURCH Cost, $40,000
OAKLAND. Near Mosswood Park.
One-story frame and plaster church with terra cotta roof.
Owner—Seventh Day Adventists.
Architect—Clay N. Burrell, First Savings Bank Bldg., Oakland.

LODI, San Joaquin Co., Cal.—Trustees of Evangelical Church of Victor, Calif., decide to construct $30,000 church building in Lodi in place of reconstructing the present structure at Victor. A site has already been purchased in East Elm street.

FACTORIES & WAREHOUSES

Plans Being Prepared.
WAREHOUSE Cost, $5,000
PASO ROBLES, San Luis Obispo Co., Cal.
One-story brick warehouse.
Owner—Chas. Cutler.
Architects—Miller & Warnecke, Perry Bldg., Oakland.

To be Done by Day's Labor.
ALTERATIONS Cost, $——
SACRAMENTO, Cal. 3rd and X Sts.
Alter building for laundry (steam power plant, electric generator system, etc.)
Owner—Modern Laundry Co.
Architect—C. C. Cuff, 226 Forum Bldg., Sacramento.
The laundry equipment will be installed by the American Steam Laundry Equipment Co. The alterations to the building will cost about $7000.

Contract Awarded.
PACKING HOUSE Cost, $150,000
NEWCASTLE, Placer Co., Cal.
Two-story concrete packing house 90 x 110.
Owner—Newcastle Fruit Growers' Association, Ray Rippey, manager and A. P. Overhouse, secretary.
Contractor—Ira Boss, 2615 K St., Sacramento.

Plans Being Revised.
PRINTING PLANT Cost, $140,000
SACRAMENTO. 11th and O Streets.
Class A State printing plant.
Owner—State of California.
Architect—State Department of Engineering. W. F. McClure, state architect, Forum Bldg., Sacramento.
NOTE—Plans are being revised to bring cost of structure within amount available for construction.

Contract Awarded.
ADDITIONS Cost, $27,000
NEWMAN, Stanislaus Co., Cal.
Two additions to ice cream plant, one 45x45 feet and the other 15x78 ft
Owner—National Ice Cream Co.
Architect—Jas. T. Ludlow, 460 Montgomery St., San Francisco.
Contractor—C. Nelson, 328 E-Lindsay St., Stockton.

Contracts Awarded.
BUILDING Cost, $——
OAKLAND. W Webster St. N 14th St.
Four-story and basement reinforced concrete printers' building (Graphic Arts Bldg.)
Owner—Max Horwinski.
Architects—S. B. and Noble Newsom, Nevada Bank Bldg., San Francisco.
Grading, Forms, and Concrete to M. C. Vaughn (work completed).
Steel to Wetenhall Co. (work completed).
Elevator Car and Doors to Frauneder Ornamental Iron Co.
Carpenter Work to McIntosh Bros.
Painting to J. T. Hogan.
Plumbing to Oscar Zeis.
Floor Hardener to Dwan & Co.
Electrical Work to Advance Elec. Co.
Steel Sash to Lupton
Tile Partitions to Martin Back.
Glass to Fuller Co.
Metal Doors and Trim to Fire Protection Products Co.
Plastering to T. D. Sexton.

Ornamental Iron Work Contract Awarded.
WHOLESALE BUILDING Cost, approximately $500,000.
SAN FRANCISCO. SE Fremont and Mission Streets.
Eight-story class A wholesale building.
Owner—Walton N. Moore & Co., (Dry Goods Dealer).
Architect—George Wm. Kelham, Sharon Bldg., San Francisco.
Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.
Contractor—The Foundation Co., Holbrook Bldg., San Francisco.
Ornamental Iron Work awarded to The Folsom Street Iron Works, 18th and Folsom Steets.

Contract Awarded.
FACTORY BUILDING Cost, $10,000
SAN FRANCISCO. NE Bryant and Sterling.
One-story reinforced concrete factory building.
Owner—Magnolia Metal Co., Pacific Bldg., San Francisco.
Architect—Dodge A. Riedy, Pacific Bldg., San Francisco.
Contractor—Fred Moller, 180 Jessie St., San Francisco.

Contract Awarded.
BUILDING Cost, $10,800
SAN FRANCISCO. West Divisadero 50 N Bush
Two-story frame coal storage building.
Owner—Plombo Brothers, premises.
Architect—L. Travers, 854 Union St., San Francisco.
Contractor—S. Montani, 1753 Greenwich St., San Francisco.

NAPA, Napa Co., Cal.—Drainage Committee of Napa County Farm Bureau announces Simon Lenz and Son of St. Helena will purchase equipment and establish a plant in Napa, for the manufacture of drainage tile.

FRESNO, Fresno Co., Cal.—C. N. Clark and J. H. Wooden have organized the Independent Ice Co., and will erect a 25-ton capacity plant at A and Pickford streets.

NEWARK, Alameda Co., Cal.—California Vegetable Union announces it will erect packing plant here. Chamber of Commerce interested in project.

MERIDIAN, Sutter Co., Cal.—Sacramento-Northern Railroad will construct warehouse at Meridian to house barley and rice crops.

TACOMA, Wash.—Bids are being received by Port of Tacoma, 612 Tacoma Bldg., to construct transit shed No. 1 on Pier 2, the first unit of the Port of Tacoma. Shed will be of gunite and timber construction, 1040x180 ft. Plans may be had from Secretary of Port, Edward Kloss, on deposit of $75.

OAKLAND, Cal.—The La Blume Soap Co., Paris, contemplates the erection of a $1,000,000 plant in Oakland, according to word received from Morris N. Schneider, Oakland merchant and, members of the Oakland Merchants' Exchange. The announcement is made by E. H. Hart, secretary of the Exchange. The soap company's manufacture is made principally of lemons.

FRESNO, Fresno Co., Cal.—Directors of California Peach and Fig Growers' Association, contemplate erection of million dollar packing plant on 20-acre reservation just east of the Sun-Maid plants, to replace structures destroyed by fire. Plans for the proposed buildings were prepared more than a year ago but were held up due to financial difficulties. J. F. Niswander is vice-president and general manager of the company.

FLATS

Contract Awarded.
FLATS Cost, $13,000
OAKLAND. E Staten Ave. 325 N Grand Ave.
Two-story frame 14-room flats.
Owner—Eva G. Hutchinson, 2020 10th Ave., Oakland.
Architect—None.
Contractor—F. A. Muller, Syndicate Bldg., Oakland.

Contract Awarded.
FLATS Cost, $9,500
OAKLAND. SE E-18th St. and 39th Ave.
Two-story 16-room frame flats.
Owner—P. Roberts, 758 Broadway, San Francisco.
Architect—None.
Contractor—J. Salanave, 931 Pacific St., San Francisco.

To be Done by Day's Work
FRAME FLATS Cost, $10,000
SAN FRANCISCO. SW Church and Twenty-sixth Streets.
Two-story and basement frame (4) flats
Owner—Ward C. Brown, 2915 Harrison St. San Francisco.

Plans Completed.
FLATS Cost, $12,000
SAN FRANCISCO. NE California and 23rd Ave.
Two-story and basement frame (4) flats
Owner—John V. Strefel, 184 23rd Ave., San Francisco.
Architect—Not given.

Contract Awarded.
FLATS Cost, $10,275
SAN FRANCISCO. E Powell 93-6 N Greenwich.
All work except lighting fixtures, shades, radiators, gas heaters, finish hardware and grading for a two-story and basement frame (2) flats.
Owner—L. Banchero, 17 Toscany Alley, San Francisco.
Architect—L. Traverso, 854 Union St., San Francisco.
Contractor — J. Farnocchia & Co, premises.

Plans Being Prepared.
FLAT BUILDINGS Cost, $40,000
SAN FRANCISCO. Geary St. opposite Park.
Four 2-story frame flat buildings (2 5-room flats each).
Owner—Withheld.
Architect—Alfred Kuhn, 833 Market St., San Francisco.

To be Done by Day's Work.
FLATS Cost, $14,000
SAN FRANCISCO. SW 3rd and Irwin.
Two-story and basement frame (4) flats.
Owner—W. W. Haley, 629 Clayton St., San Francisco.
Architect—None.

Contracts Awarded.
FLATS Cost, $15,000
SAN FRANCISCO. NE 11th Ave. and Judah St. 36x100.
Two two-story and basement frame and plaster flat buildings (6 3 and 1-room flats each).
Owner—Mrs. S. Johe.
Architect—Frederick. W. Quandt, Monadnock Bldg., San Francisco.
General Contract to Joel Johnson, 180 Jessie St., at $13,075.
Electrical Work to W. H. Kirsten, 55 McAllister St., at $632.
Painting to Robert Caison, 4180 17th St., at $1210.
Plumbing to Gus May, 3668 18th St., at $1889.

Plans Being Figured.
FLATS Cost, $24,000
SAN FRANCISCO. Lake St. and 24th Ave.
Two 2-story and basement frame flat buildings (4 6-room flats and garages).
Owner—Withheld.
Architect—Alvin J. Stern, Bankers Investment Bldg., San Francisco.

GARAGES

Contract Awarded
GARAGE Cost, $——
BURLINGAME. San Mateo Co., Cal. San Mateo Drive near Howard Ave.
One-story reinforced concrete garage.
Owner—Herman C. Vielbaum.
Engineer—J. W. F. Ryan, 1202 Broadway, Burlingame.
Contractor — Burlingame Bldg., Co., 1202 Broadway, Burlingame.

GOVERNMENT WORK AND SUPPLIES

Mahony Bros., San Francisco, low bidders for general construction, and F. W. Spencer of Salt Lake City, low on the mechanical equipment.

SAN FRANCISCO—The following bids were received on April 10th, in the office of J. W. Roberts, Supervising Superintendent, Post Office, San Francisco, for the construction of nineteen reinforced concrete buildings of the U. S. Veterans Hospital at Palo Alto.

Separate bids were received for mechanical equipment. Bids were also opened in Washington:

General Construction

Mahony Bros., Flood Bldg., San Francisco, $844,500; alternate (1) add $13,556; (2) add $900; (3) deduct $9,000.

Hannah Bros., San Francisco, $846,243; (1) deduct $1359; (2) deduct $2000; (3) add $3811.

Lange & Bergstrom, S. F., $850,400; (1) deduct $4000; (2) deduct $400; (3) add $8750.

Sugarman Construction Co., Des Moines Iowa, $854,800; (1) $750; (2) deduct $600; (3) add $9,000.

Robert E. McKee, El Paso, Texas, $865,400 (1) add $4950; (2) ——; (3) add $7,000.

Robert Trost, S. F., $891,60; (1) add $3726; (2) add $1200; (3) add $6,000.

J. H. Wiese, Omaha, $893,700; (1) add $12,000; (3) add $1,000; (3) ——.

R. McLeran & Co., S. F., $939,800; (1) deduct $6,000; (2) add $300; (3) ——.

Matthews Constr. Co., Sacramento, $944,928; (1) add $34,000; (2) add $2700; (3) deduct $2000.

Clinton Constr. Co., S. F., $988,000; (1) deduct $5,000; (2) add $500; (3) ——.

George A. Whitmeyer & Sons, Ogden, Utah, $1,031,109; (1) deduct $15,727; (2) add $904; (3) ——.

Barrett & Hilp, S. F., $1,082,000, (1), (2) and (3) ——.

Campbell Bldg. Co., Salt Lake City, $1,098,653; (1) add $10,000; (2) add $500; (3) add $1,000.

No bids were received at Washington for the general constructiong.

Mechanical Equipment

F. W. Spencer, Salt Lake City..$285,400
Turner Co., S. F..... 286,400
Rushlight & Hashtorf, Portland 311,497
Bergh-Griggs, Tacoma, Wash.. 331,977
Jas. Pinkerton, S. F..... 333,210
Scott Co., S. F..... 339,580
Wm. F. Wilson, S. F..... 347,456
Lawson & Drucker, S. F..... 353,000
Antone Lettich, S. F..... 399,000

The following bids were received at Washington, D. C.:

G. E. Engineering Co.,.....$369,000
S. W. Rittenhouse 297,833
S. Faith 374,727
Otto W. Lindberg 317,888
Noland Clifford Co. 353,000

SAN FRANCISCO—Until April 24, 10 A. M., bids will be received by Quartermaster Supply Officer, Fort Mason, under Circular No. 22-63, for furnishing and delivering lumber, cap screws; machine bolts; brass wood screws; carriage and stove bolts; fire clay; butt hinges; pipe fittings; iron; nails; rivets; 1000 lbs. structural steel, etc.

WASHINGTON, D. C.—Following bids received by Bureau of Yards and Docks, Navy Department, under Specification 4507, for elevators and dumb waiters at San Diego, Calif., Naval Base: Otis Elevator Co., 310 18th St., Washington, $33,477, 90 days; Hollister-Whitney Co., 207 N 2nd St., Quincy, Ill., $33,946, 120 days.

WASHINGTON, D. C. — Parmelee-Dohrmann Co., 436 S Broadway, Los Angeles, Calif., at $38,400, awarded contract by Bureau of Yards and Docks, Navy Department, under Specifications 4587, to furnish and install mess and kitchen equipment in Naval Training station at San Diego, Calif.; time to complete, 65 days.

WASHINGTON, D. C.—Following bids received by Bureau of Yards and Docks, Navy Department, under Specification No. 4596, for kitchen and diet kitchen equipment at the naval base, San Diego, Calif.:

Item (1) entire work; (2) add or deduct from item (1) based on oil-burning ranges; (3) add or deduct from item (1) based on combination steam tables and plate warmers.

S. B. Sexton Stove Mfg. Co., 500 Block West Conway St., Baltimore, Item (1) $19,153.77; (2) plus $540; (3) plus $100.

Parmelee & Dohrmann, 436 S Broadway, Los Angeles, Calif., Item (1) $28,485 60 days; (2) plus $122,60; (3) deduct $507.

Ingle Mfg. Co., 643 S St., San Diego, Item (1) $22,235 37, 60 days; (2) deduct $600; (3) $598.75.

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies and Accounts, Navy Department, for furnishing and delivering supplies to Navy Yards as follows; date for opening bids as noted at end of each paragraph:

Schedule 9525, for Mare Island, 8100 standard brass bolts and nuts; May 2.

Sched. 9574, for Puget Sound, Wash., 1 air ejecting apparatus and 1 condensate pump; May 2.

Sched. 9578, for Mare Island, 102,000 feet portable electric cord; May 2.

Sched. 9579, for Puget Sound, automatic telephone system; May 2.

WASHINGTON, D. C.—Following is complete list of bids received by Bureau of Yards and Docks, Navy Department, for constructing roads and walks at San Diego Naval Base, Calif., under Specification No. 4602:

Item (1) entire work complete; (2) do, omitting roads under alternate A; (3a) add or deduct from items (1) and (2) for each cubic yard of excavation in connection with roads and walks; (3b) each square yard of road; (3c) each square yard of walk more or less than shown on drawings.

G. E. Engineering Co., 449 W 42nd St., New York City, (1) $73,700, time specified; (2) $57,700; (3a) $1; (3b) $3.20; (3c) $2.25.

David H. Rhine, 1615 Fern St., San Diego, Calif., (1) $75,294.60, 75 days; (2) $60,224.60, 72 days; (3a) $1.25; (3b) $4.25; (3c) $2.70.

Wright & Doran, Spreckles Building, San Diego, (1) $60,000, 90 days; (2) $47,000, 90 days; (3a) roads, $2.88; walks $2.30.

De Waard & Cobham, Granger Building, San Diego, (1) $69,000, 75 days; (2) $53,000; (3a) $1; (3b) $3.65;)3c) $2.70.

John Engeboltsen, McNeece Building, San Diego, Calif., (1) $77,700; (2) $62,368; (3a) $1; (3b) $3.33; (3c) $3.06, walks; 92c, curb.

Riley & Peterson, Loma Portal, Calif, (1) $53,000, 75 days; (2) $41,800, 55 days; (3a) add $1, deduct 50c; (3b) $5.70; (3c) $2.

WASHINGTON, D. C.—Naval Appropriations Bill carries request for $2,262,000—of this $750,000 is sought to rebuild wharves, dikes, walls and quays at Mare Island Navy Yard. A total of $2,800,000 is improvements along these lines are prooosed. Other items included in the Bill are: Mare Island ammunition depot, $100,000; San Diego, for completion of marine base, $482,000; San Diego, to continue naval hospital in Balboa Park, $500,000; San Diego, naval training station, $125,000; Puget Sound navy yard, $90,000; Puget Sound ammunition depot, $8000; Pearl Harbor, Hawaiian Islands, additions to drydock, $128,000; ammunition depot, $15,000; additions to submarine base, $64,000.

SAN FRANCISCO—Until April 21, 11 A. M., bids will be received by U. S. Engineers Officer, 240 Montgomery St., for furnishing and delivering Rio Vista Solano county, pipe and pipe fittings, valves, etc.

HALLS AND SOCIETY BUILDINGS

Contract Awarded.
LODGE BUILDING Cost, $50,000
DINUBA, Tulare Co., Cal. K and Tulare Streets.
Two-story brick and reinforced concrete lodge building with roof garden.
Owner—Dinuba Fraternal Hall Association.
Architect—Anton Johnson, Kingsburg, Cal.
Contractor—Woltz & Vetter, Dinuba.

Contract Awarded.
BUILDING Cost, $92,000
PASADENA, Los Angeles Co., Cal. Holly St. and Marengo Ave.
One and two-story and basement brick mortuary building.
Owner—Turner & Stevens.
Architects—W. A. and Rea P. Taylor. 966 Elizabeth St., Pasadena.

Bids Opened.
GIRLS' HOME Cost, $225,000
SAN FRANCISCO. N McAllister Street W Jones Street.
Nine-story Class B girls' home building (territorial headquarters on 1st two floors and hotel above).
Owner—Salvation Army.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.

General Contract

R. McLeran & Co., Hearst Bldg.	$157,700
Vukicevich & Bagge	164,000
Barrett & Hilp	185,570
Bordwell & Zimmerman	193,000
H. L. Peterson	209,605
Clinton Construction Co.	203,400
N. F. Nielsen	207,676

The bids on the plumbing, heating, electrical work and painting will be given out later.

Contracts Awarded.
ADDITION & ALTER Cost, $382,648
DECOTO, Alameda Co., Cal.
New brick building and alter present building of Home.
Owner—Masonic Home of California.
Architects—Wm. Mooser and Edw. G. Bolles, associated, Nevada Bank Bldg., San Francisco.
Excavating, Concrete, Carpentry, Roofing and Ornamental Iron to Lawton & Vezey, Call Bldg., S. F.
Brick, Cast Stone, Steel, Lathing and Plastering to H. N. Larsen, Monadnock Bldg., San Francisco.
Sheet Metal Work to the Oscar Krenz Copper & Brass Works, 626 Bryant St., San Francisco.
Travatiere and Terrazzo to P. Grassi & Co., 135 Tehama St., S. F.
Tile Work (walls) to Mangrun & Otter, 827 Mission St., San Francisco.
Plumbing, Heating and Electric Work to O. Kurtz, 445 Stevenson St., S. F.
Painting to J. R. Kissel, 1747 Sacramento St., San Francisco.

HOSPITALS

Plans Being Prepared.
HOSPITAL Cost, $50,000
MERCED, Merced Co., Cal. 27th and M Streets.
Two-story hollow tile hospital.
Owner—Mercy Hospital Association.
Architect—Ira W. Hoover, Planada, Merced Co., Cal.

LOS ANGELES, Cal.—C. E. Kimlin, manager Glendale Sanitarium (Seventh Day Adventist) announces competitive preliminary sketches are being considered for a $500,000 reinforced concrete and hollow tile fireproof hospital on a new 20-acre site just purchased near the junction of E Broadway and Wilson.

YREKA, Siskiyou Co., Cal.—Construction of the proposed $200,000 county hospital has been postponed by supervisors on request of taxpayers. Geo. C. Sellon & Co., Mitau Bldg., Sacramento, architects.

LOS ANGELES, Cal.—Walter Slater Co., 2314 Santa Fe Ave., Los Angeles, was awarded the general contract at $65,100 for erecting four infirmary buildings at the county farm. Plumbing was awarded to Lohman Bros., at $14,027, and electrical work to F. R. Cronenberger at $1448.50. Plans by Wm. Davidson, county mechanical engineer. The buildings will be each 1-story, 34x160 ft., frame construction, plaster exterior, over Buttonlath, shingle roofs, pine trim, cement and maple floors.

HOTELS

Contract Awarded.
STORE & ROOMING HOUSE Cost, $30,997.
FRESNO, Cal. Mariposa and F Sts.

A. E. Leitch Fred Clark

CLARK & LEITCH ROOFING CO.

Successors to E. S. Warner

Office and Warehouse:

1116 SECOND ST., SACRAMENTO

Phone Main 726

STORE AND ROOMING HOUSE.
Owner—E. A. Walrond, 2809 Fresno St, Fresno.
Architect—None.
Contractor—Minard & Casteel, 319 Abby St., Fresno.

Low Bidder.
ADDITIONS Cost, $——
RICHMOND, Contra Costa Co., Cal. Macdonald Ave. near 6th St.
Two-story addition to present 1-story brick store, for hotel building (40 rooms).
Owners—John and Pete Handy.
Architect—Albert Fabre, 110 Sutter St., San Francisco.
Low Bidder—Carl Overall, Roosevelt, Richmond.

PETALUMA, Sonoma Co., Cal.—Petaluma Chamber of Commerce has signed agreement with Hockenbury syndicate to construct hotel containing 100 rooms.

POWER PLANTS

Plans Being Prepared.
SUB-STATION Cost, $70,000
YUBA CITY, Sutter Co., Cal. O'Banion Corners near the old Grant school.
Sub-station.
Owner—Pacific Gas and Electric Co.
Architect—Engineering Dept. of owner, 445 Sutter St., San Francisco.

SALEM, Ore.—Enterprise Electric Co., Enterprise, Ore., applies to state engineer for permit to appropriate 15 second feet of water from east fork of Wallowa river to develop power to supply four towns. With previous appropriations, 2000 h. p. will be generated under a head of 1174 ft. Construction includes a crib and rock fill dam, a pipe line 5420 ft. long and an impulse wheel. Total cost of new diversion works is estimated at $100,000.

CALIFORNIA—Pacific Gas and Electric Co., will reconstruct its power line across the Carquinez straits, according to word from Martinez. The work will cost approximately $269,000.

LOS ANGELES, Cal.—Until 3 P. M., April 28, bids will be received by public service commission, 207 S Broadway, for cross arms. Spec. P-268. Jas. P. Vroman, secretary.

PUBLIC BUILDINGS

Plans Being Prepared.
COMFORT STATION Cost, $——
OAKLAND, Cal. 14th St. side of City Hall.
Comfort station (marble steps, floor, partitions, etc.)
Owner—City of Oakland.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

MADERA, Madera Co., Cal.—American Legion Post of Madera will seek $54,000 appropriation from supervisors to finance construction of memorial building in Madera.

RENO, Nevada—Memorial Committee of Chamber of Commerce selected site, 140x150 ft. at corner of Granite and Court streets on which it is proposed to erect soldiers' and sailors' memorial building.

SAN FRANCISCO—Until April 14, 12 M., bids will be received by Jas. De Succa, Secretary, Park Commission, Park Lodge, Golden Gate Park, for furnishing and delivering 500 park benches; samples may be seen at office of the Secretary.

FRESNO, Fresno Co., Cal.—Supervisors propose to levy direct tax to raise between $225,000 and $250,000 to finance construction of "hall of records"—work to be started within next 18 months. Preliminary plans for the structure have been prepared by Architect Eugene Mathewson, Cory Bldg., Fresno.

OLYMPIA, Wash.—Western Granite Co., Flatiron Bldg., Seattle, awarded contract to furnish granite required for Legislative Building of State Capitol Group, the general contract for which is held by Pratt & Watson, Olympia, Wash.

SAN FRANCISCO—Following bids received by Board of Public Works April 12th:

General Construction—Horace Mann School

Anderson & Ringrose (low)	$302,382
Louis J. Cohn	314,445
P. J. Riley	334,786
Clinton Construction Co.	321,700

Electric Work—Horace Mann School

Butte Elec. & Equip. Co. (low)	$12,922
H. S. Tittle	16,502
Globe Electric Works	14,237
M. E. Ryan	14,892
S. M. Radelfinger	15,185
Standard Elec. Co.	16,294
F. E. Newbery Co.	16,678
The Turner Co.	16,080
Collonan Elec. Co.	16,847

Heating and Ventilating—Horace Mann School

P. J. Enright (low)	$21,910
C. Petersen Co.	23,800
A. Lettich	23,333
J. E. O'Mara	21,996
Scott Co.	22,020
The Turner Co.	25,880
Gilley-Schmidt Co.	25,995

Plumbing—Horace Mann School

A. Lettich, (low)	$19,902
Alex. Coleman	21,448
Turner Co.	20,800
Gilley-Schmidt Co.	23,393

Plastering—Horace Mann School

J. Greenback (low)	$46,267
Peter Bradley	47,700
McGruer & Simpson	54,433
Jas. F. Smith	57,000

Constructing Exhibit in Ferry Building

Louis J. Cohn (low)	$15,889
A. H. Vogt	16,240

Finish Hardware—Galileo High School

Joost Bros. (low)	$9,120
Palace Hardware Co.	9,969

Roofing—Galileo High School

Western Asbestos Mfg. Co. (low)	$7,805
United Materials Co.	7,965
Firestone & Roofing Co.	8,233
J. W. Bender	9,288

RESIDENCES

Completing Plans.
RESIDENCE. Cost, $13,000
SUTTER, Sutter Co., Cal.
Two-story frame and plaster residence
Owner—Mrs. Carrie Onstott.
Architects—Miller & Warnecke, Perry Bldg., Oakland.

Plans Being Prepared—Figures to be Taken in Two Weeks.
RESIDENCE Cost, $40,000
STOCKTON, San Joaquin Co., Cal. Edison and Rose Sts.
Two-story brick residence (12 rooms, 3 bathrooms and separate garage).
Owner—George Dohrman.
Architect—Glenn Allen, 37 South Aurora St., Stockton.

Completing Plans—Contract Awarded.
RESIDENCE Cost, $10,000
OAKLAND, Alameda Co., Cal. Rock Ridge.
Two-story frame and plaster residence
Owner—A. Magerstat.
Architects—Miller & Warnecke, Perry Bldg., Oakland.
Contractor—Gutleben Bros., Call Bldg., San Francisco.

Contract Awarded on a Percentage Basis.
RESIDENCE Cost, $130,000
SANTA BARBARA, Cal.
Two-story hollow tile residence (26 rooms).
Owner—Bernhard Hoffman.
Architect—James Osborne Craig, Santa Barbara, Cal.
Contractor — Snook & Kenyon, Santa Barbara, Cal.

Plans Being Prepared.
RESIDENCE Cost, $8,500
ALAMEDA. Foot of Grand Ave.
Two-story frame and plaster residence.
Owner—Withheld.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Plans Being Prepared.
RESIDENCE Cost, $——
BURLINGAME, San Mateo Co., Cal.
One-story frame residence.
Owner—Withheld.
Architect — Ernest Norberg, Balboa Bldg., San Francisco.

Low Bidder.
RESIDENCE Cost, $12,000
SAN MATEO, San Mateo Co., Cal. San Mateo Park.
Two-story frame and plaster residence
Owner—Mr. Mitchell.
Architect — Ernest Norberg, Balboa Bldg., San Francisco.
Low Bidder—T. J. Broderick, 1528 Cypress St., Burlingame.

Plans Being Figured.
RESIDEINCE Cost, $15,000
BERKELEY, Alameda Co., Cal. Claremont District.
Two-story frame and plaster residence
Owner—Mr. Kitzmiller.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Figures are being taken for a general contract.

Contract Awarded.
RESIDENCE Cost, $9,000
YOLANDA, Marin Co., Cal. Yolanda Court.
Two-story frame and plaster residence.
Owner—Chas. Lovell.
Architect—Walter Parker, 57 Post St., San Francisco.
Contractor—Knabenschuh & Morrison, 180 Jessie St., San Francisco.

Plans to be Prepared.
RESIDENCE Cost, $——
SAN FRANCISCO. Santa Ana Ave., St. Francis Wood.
Two-story frame and plaster 8-room residence.
Owner—R. J. Cooper, Monadnock Bldg., San Francisco.
Architect—Not selected.

Plans Being Prepared.
RESIDENCE Cost, $25,000
OAKLAND, Cal. Adams Point Property
Two-story frame and plaster residence and physician's office.
Owner—Withheld.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Figures to be Taken in Ten Days.
RESIDENCE Cost, $10,000
OAKLAND. Lakeshore Highlands.
Two-story frame and plaster 8-room residence.
Owner—Withheld.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Figures to be Taken in a Few Days.
RESIDENCE Cost, $6,000
OAKLAND. Excelsior Ave. in Lakeshore Highlands.
One-story frame and plaster residence.
Owner—Withheld.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Plans Being Prepared.
RESIDENCE Cost, $8,000
OAKLAND. Euclid Ave. in Adams Point Property.
Two-story frame residence.
Owner—Withheld.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Plans Being Prepared—Owner to Take Sub-figures.
RESIDENCE Cost, $7000
SACRAMENTO. 41st and M Streets.
One-story frame and brick veneer residence.
Owner—Peter R. Gadd, Sacramento.
Architects—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.

Figures to be Taken in a Week.
RESIDENCE Cost, $20,000
LOS GATOS, Santa Clara Co., Cal.
Two-story frame and plaster residence (11 rooms and separate garage).
Owner—Louis Bruce.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

Contracts Awarded.
RESIDENCE Cost, $22,000
PIEDMONT, Alameda Co., Cal.
Two-story and basement frame and plaster residence (12 rooms and separate garage; French Rural architecture.
Owner—G. T. Henshaw.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.
Carpenter Work, Foundations, Etc., to M. E. Hooper & Son, 117 Webster St., Oakland.
Plumbing to Carl T. Doell, 427 21st St., Oakland.
Grading to E. E. Armstrong, 3043 Magnolia St., Oakland.
Plastering to Chas. D. Emery.
Electrical Work to W. D. Stanford.
Brick Work to Martin Back.
Painting to Rundberg & Whitman.
Tile to Rigney Tile Co.

Contracts Awarded.
RESIDENCE Cost, $32,000
PIEDMONT, Alameda Co., Cal.
Two-story and basement frame stucco residence and separate garage.
Owner—Chas. C. Keeney.
Architects—S. B. and Noble Newsom, Nevada Bank Bldg., San Francisco.
Tile to Rigney Tile Co.
Painting to R. Zelinsky.
Plastering to T. D. Sexton.
Brick Work to Martin Back.
Iron Fixtures and Grill Work to Kern & Husler.

Owner Taking Figures.
RESIDENCES Cost, $6000 each
PIEDMONT. Montecito Avenue.
Three one-story 6-room residences.
Owner—Wm. Appleton, 1831 California St., Berkeley.
Architect—S. B. and Noble Newsom, Nevada Bank Bldg., San Francisco

Segregated Figures Being Taken.
RESIDENCE Cost, $——
SAN FRANCISCO. NW Lake St. and 24th Ave.
Two-story frame and plaster residence.
Owner—Wm. Scott.
Architect—Meyer & Johnson, Bankers' Investment Bldg., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $2,000
PIEDMONT, Alameda Co., Cal. 25 Sierra Ave.
Alter 2nd floor of residence.
Owner—B. M. Carlisle.
Architects—S. B. and Noble Newsom, Nevada Bank Bldg., San Francisco.
Contractor — David Nordstrom, 4146 Emerald St., Oakland.

Plans Ready for Figures.
RESIDENCE Cost, $6000
SAN FRANCISCO. Anza Street bet. 44th and 45th Aves.
One-story frame and plaster residence.
Owner—Geo. Dublin.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

To be Done by Day's Work.
RESIDENCES Cost, $5000 each
SAN FRANCISCO. Forty-fourth Ave. Bet. Anza and Geary Sts.
Six one-story frame residences.
Owner—Meyer Bros., 5326 Geary St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

To be Done by Day's Work.
RESIDENCE Cost, $10,000
SAN FRANCISCO. NE Belvedere and Seventeenth Sts.
One-story and basement frame residence.
Owner — Gustave Lindauer, 20 Oak Grove Ave., San Francisco.
Architect—None.

Contract Awarded.
RESIDENCE Cost, $15,750
BURLINGAME, San Mateo Co., Cal. Lots 25 and 26 Burlingame Heights.
Two-story frame residence.
Owner—Gesiene Meyer, 1918 Divisadero St., San Francisco.
Architect—Andrew P. Hill, Jr., 1062 Page St., San Francisco.
Contractor—Thos. N. Gesso, 1405 Grove St., Burlingame.

Low Bidder.
RESIDENCE Cost, $——
PIEDMONT, Alameda Co., Cal.
Two-story frame residence.
Owner—L. H. Kibbe.
Architect — Miss Julia Morgan, Merchants' Exchange Bldg., S. F.
Low Bidder—E. Tranmal, 483 Crescent St., Oakland.

Owner Taking Sub-figures.
BUNGALOW Cost, $——
ALAMEDA, Cal.
One-story frame and plaster double bungalow (2 3-room apts.) 3 separate garages.
Owner—Herman Hallencleben, % Monarch Iron Works, 262 7th St., S. F.
Architect—A. H. Hermann.

Contract Awarded.
RESIDENCE Cost, $10,000
SAN FRANCISCO. SW Commonwealth and Euclid.
Two-story and basement frame residence.
Owner—Samuel Baer, Russ Bldg., San Francisco.
Architect—Samuel L. Hyman, Foxcroft Bldg., San Francisco.
Contractor—Ed. Zinkand & Sons, 434 10th Ave., San Francisco.

Sub-figures Being Taken—To be Done by Day's Work.
RESIDENCES Cost, $9000 each
SAN FRANCISCO. 23rd Ave. and Cabrillo.
Six 2-story frame and plaster residences (6 rooms and garage in basement).
Owner—Oscar Heyman & Bro., Bankers Investment Bldg., San Francisco.
Architect—Alvin J. Stern, Bankers Investment Bldg., San Francisco.

SCHOOLS

Plans Being Prepared.
SCHOOL Cost, $44,000
MORGAN HILL, Santa Clara Co., Cal.
One-story brick or concrete school.
Owner—Morgan Hill Grammar School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

General Contract Bids Rejected.
AUDITORIUM Cost, $——
OAKLAND, Alameda Co., Cal. Sixteenth St. and Twenty-third Avenue.
One-story frame and stucco auditorium gymnasium building.
Owner—City of Oakland, N. Cook, Clerk.
Architect — Construction Department Oakland Board of Education, C. W. Dickey, Chabot Hall, 11th and Jefferson Sts., Oakland.
The general contract bids were rejected and bids on the balance of the work are still under advisement.
The following is a list of the low bidders:
General Contract—A. J. McPhee, 2144 E-27th St., Oakland, $26,649, $27,899
Plumbing—Scott Co., 381 11th St., Oakland, $1,765; $2,455.
Heating—Scott Co., 381 11th St., Oakland, $3971; $4742.
Electrical—Turner Co., 272 Natoma St., San Francisco, $3410; $3560.
Roberts Mfg. Co., 663 Mission St., San Francisco. $3650; $3200.
Lathing and Plastering—Cronin & Burnett, $3281; $4200.

Plans Completed.
SCHOOL Cost, $200,000
TAFT, Kern Co., Cal. Sixth Street.
Group of concrete and brick school buildings.
Owner—Conley Grammar School Dist.
Architects—Coates & Traver, Rowell Bldg., Fresno.
Managers of Construction—Trewhitt-Shields Co., Rowell Bldg., Fresno.

Plans Prepared.
SCIENCE BLDG. Cost, $——
BAKERSFIELD, Kern Co., Cal. California Avenue.
Three-story fireproof science building.
Owner — Kern County Union High School District.
Architect—Chas. H. Biggar, 1st Nat'l. Bank Bldg., Bakersfield.

Plans Being Figured—Bids Close May 8, 1922, 8 P. M.
SCHOOL Cost, $200,000
LONG BEACH, Los Angeles Co., Cal. Jefferson Junior High School.
Two-story brick school.
Owner—Long Beach Board of Education, 514 Long Beach Savings Bank Bldg., Long Beach.
Architects—Allison & Allison, Hibernian Bldgs, Los Angeles, and H. Alfred Anderson, Palace Theatre Bldg., Long Beach, Associate.

Plans Being Prepared.
SCHOOL Cost, $48,000
SAN LORENZO, Alameda Co., Cal.
One-story frame 6-room school and alter present school into assembly hall.
Owner—San Lorenzo School District.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.
A bond election will be held on May 2, 1922. Trustees of the district are: Robert P. King, W. S. Perkins and N. A. McConaghy.

Plans Being Prepared.
SCHOOL Cost, $35,000
GLEN ELLEN, Sonoma Co., Cal.
One-story reinforced concrete school (6 rooms and auditorium).
Owner—Glen Ellen School District.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

Bonds Sold—Bids to be Called For Shortly.
SCHOOL Cost, $45,000
IRVINGTON, Alameda Co., Cal.
One-story school (6) rooms and auditorium.
Owner—Irvington School District.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

Sketches Being Prepared.
RESIDENCES Cost, $——
OAKLAND. Lakeshore Hills Tract.
Four 2-story frame and plaster residences.
Owner—Walter Leimert Co., Oakland.
Architect—Walter T. Steilberg, Flatiron Bldg., San Francisco.

Plans Being Figured.
COTTAGE Cost, $6,000
OAKLAND, Oakland Prospect Homestead Tract.
One-story frame and plaster cottage 6-room and basement garage.
Owner—J. B. Godbold.
Architect—Walter T. Steilberg, Flatiron Bldg., San Francisco.

Plans Being Prepared.
SCHOOL Cost, $80,000
LONG BEACH, Cal. Walnut and 17th.
Eight-room brick school.
Owner—Long Beach School District.
Architects—John C. and W. Horace Austin, 222 First National Bank Bldg., Long Beach.

Plans Being Figured—Bids Close May 10, 4 P. M.
SCHOOL Cost, $110,000
PARLIER, Fresno Co., Cal.
Two-story brick school.
Owner—Parlier School District.
Architect — Swartz & Ryland, Rowell Bldg., Fresno.
See call for bids under official proposal section in this issue.

Plans Being Prepared.
SCHOOL Cost, $40,000
BIOLA, Fresno Co., Cal.
One-story school building (4 rooms and auditorium).
Owner—Biola School District.
Architect — Swartz & Ryland, Rowell Bldg., Fresno.

Contracts Awarded.
SCHOOL Cost, $80,000
OAKDALE, Stanislaus Co., Cal.
Two-story reinforced concrete school building.
Owner—Oakdale Union High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
General Contract to Cobby & Owsley, 180 Jessie St., S. F., $70,900.
Heating and Ventilating to Scott Co., on propositions 1, 2 and 3, $12,024.

Plans Being Figured—Bids Close April 26, 1922, 8 P. M.
SCHOOL Cost, $200,000
RICHMOND, Contra Costa Co., Cal. Ninth and Bissel Avenuue.
One and three-story reinforced concrete and hollow tile Junior High School 216x321.
Owner—City of Richmond School Dist.
Architect—Jas. T. Narbett, 910 Macdonald Ave., Richmond.
Bids are being taken as follows:
(1) General Work: Carpenter work, excavation, well boring, concrete and cement work, steel and iron, elevator work and interior stone work.
(2) Hollow Tile and Brick Work.
(3) Lathing and Plastering.
(4) Sheet Metal Work.
(5) Roofing, Composition and Tile.
(6) Painting.
(7) Plumbing.
(8) Electric Work.
(9) Heating and Ventilating Work.
See call for bids under official proposals.

Plans Being Figured—Bids Close April 26, 1922, at 8 P. M.
ADDITION Cost, $25,000
RICHMOND, Contra Costa Co., Cal. Nystrom School.
Four-room and auditorium hollow tile and plaster addition to school.
Owner—City of Richmond School Dist.
Architect—Jas. T. Narbett, 910 Macdonald Ave., Richmond.
Bids are being taken as follows:
(1) General Work: excavating concrete and cement work (including reinforcing steel), sheet metal work, carpenter work, house mover's work, steel and iron, and electric work.
(2) Plumbing.
(3) Lathing and Plastering.
(4) Roofing.
(5) Painting.
(6) Hollow Tile and Brick Work.
(7) Heating and Ventilating.
See call for bids under official proposals.

Contracts Awarded.
AUDITORIUM Cost, $——
OAKLAND, Alameda Co., Cal. Sixteenth St. and Twenty-third Ave.
One-story frame and stucco auditorium gymnasium building.
Owner — City of Oakland, N. Cook, Clerk.
Architect — Construction Department Oakland Board of Education, C. W. Dickey, Chabot Hall, 11th and Jefferson St., Oakland.
The general contract bids were rejected and new ones will be called for shortly. Contracts on the balance of the work were awarded as follows:
Plumbing to Scott Co., 381 11th St., Oakland, at $2455.
Heating to Scott Co., 381 11th St., Oakland, at $4742.
Electrical Work to Turner Co., 272 Natoma St., San Francisco, at $3560.
Lathing and Plaster to Cronin & Burnett, at $3281.

ROSEDALE, Kern Co., Cal.—Until May 2, 2 P. M., bids will be received by R. T. Waters, Clerk, Rosedale School District to erect 4-room frame school. J. M. Saffell, 924 19th St., Bakersfield, architect. Plans may be had from clerk.

CALIPATRIA, Imperial Co., Cal.—Contracts for the new Calipatria high school buildings were awarded as follows: General work including plastering to Jarboe & Murray of El Centro, at $80,000; plumbing to A. Bendler, Calipatria; heating and sheet metal to B. V. Ezell; El Centro; electrical work to C. F. Ferguson, El Centro; and painting to Clyde Larey, El Centro. Don W. Wells, El Centro, architect.

PASADENA, Los Angeles Co., Cal.—H. O. Clarke, 449 N Madison Ave., Pasadena, was low bidder at $83,502, on general contract for erecting new Junipero Serra grammar school building on California St. between Raymond and Fair Oaks Aves., Pasadena. Cyril Bennett, 313 Kendall Bldg., Pasadena, architect. Low bidders on other contracts were: E. O. Nay Co., Pasadena, on plumbing at $6445; Hoagland-Lakin Co. on heating at $8897; Alhambra Wall Paper & Paint Co. on painting at $3336; and H. H. Miller Co. on wiring at $2699. H. E. Tabor, Pasadena,

was low bidder on the general contract if alternate proposals are accepted. Bids taken under advisement. Eight classrooms, auditorium and kindergarten: hollow tile walls, plaster exterior, tile roofing, reinforced concrete corridors and stairways, pine trim, marble floors in classrooms, tile work.

SAN FRANCISCO—Until April 26, 8 P. M., bids will be received by Board of Public Works to construct Oral Deaf School in south side of Washington street between Franklin and Gough streets. Bids are wanted for general contract; estimated cost, $32,000; heating and ventilating, $2000; Plumbing, $4000; and electric work, $1200. Plans may be had from Bureau of Architecture, 2nd floor, city hall.

SACRAMENTO, Cal.—Until May 2, 8 P. M., bids will be received by trustees of North Sacramento School District to construct hollow tile additions to two school buildings. E. C. Hemmings, 425 Oehsner Bldg., Sacramento, architect. Estimated cost, $60,000. **See call for bids under official proposal section in this issue.**

EUREKA, Humboldt Co., Cal.—One bid received by Board of Education to construct shower rooms and other additions to high school gymnasium, returned un-opened, due to fact that bidder declares cost of work exceeded amount available for construction. Project postponed indefinitely. Geo. B. Albee, superintendent of schools.

STOCKTON, San Joaquin Co., Cal.—The Board of Education of the City of Stockton received the following bids on April 12th for the construction of a brick, concrete and frame eight-room addition to the El Dorado School building. Plans were prepared by Architect Frank Mayo, Yosemite Bldg Stockton. Davis-Heller-Pearce Company, Delta Bldg., Stockton, are the supervising architects. Bids were taken for the general contract, except the heating and ventilating plant, but no bids bids were received on the latter and bids will be re-advertised for shortly.

The bid of Shepherd & Riley, Yosemite Bldg., Stockton, was taken under advisement.

General Contract

Shepherd & Riley, Stockton	$64,339.00
W. G. Reed Stockton	66,353.86
J. I. Lewis, Stockton	67,497.00
L. S. Peretz, Stockton	67,550.00
Davidson & Nicholson, Stckto	72,500.00

YREKA, Humboldt Co. ,Cal.—Until April 17, 10 A. M., bids will be received by Lillian M. Julien, clerk, Siskiyou Union High School District, for architectural services in the preparation of plans, etc., for the construction of a six-room and auditorium-gymnasium school building at Fort Jones.

STORES AND OFFICES

Contract Awerded.
BUILDING Cost, $42,200
STOCKTON, San Joaquin Co., Cal. Lot 12 Blk. 29, East of Center Street.
Building.
Owners—V. A., John J., A. F. and J. G. Gardella, 1126 N Pilgrim St., Stockton.
Architect—None.
Contractors—C. J. Powell and C. W. Medbury, 613 W Flora St., Stockton

Figures Being Taken From a Selected List of Contractors.
CLASS B BLDG Cost, $200,000
SAN FRANCISCO. S Mission W Beale
Five-story Class B building adjoining present building.
Owner—W. P. Fuller & Co., NW Beale and Mission Sts., San Francisco.
Architect—G. A. Applegarth, Claus Spreckels Bldg., San Francisco.

The following contractors have been selected to submit figures on a general contract except the painting and glazing:
Foundation Co., Hilbrook Bldg.
Dinwiddie Constr. Co., Crocker Bldg.
Clinton Constr. Co., 140 Townsend St.
R. McLeran & Co., Hearst Bldg.
Lindgren Co., Monadnock Bldg.
MacDonald & Kann, 130 Montgomery St.
P. J. Walker Co., Monadnock Bldg.

Contract Awarded.
BAKERY Cost, $19,000
PASO ROBLES, San Luis Obispo Co., Cal.
Two-story brick bakery.
Owner—Geo. Jacobs.
Architects—Miller & Warnecke, Perry Bldg., Oakland.
Contractor—Theo. Maino, San Luis Obispo, Cal.

Plans Being Prepared.
ARCADE BUILDING Cost, $200,000
STOCKTON, San Joaquin Co., Cal. Stanislaus St. through to American St. between Main and Webster Sts.
Two-story and basement reinforced arcade building.
Owner—L. A. Mills, et. als.
Architects—Glenn Allen and J. M. Burke, associated, 37 S Aurora St., Stockton.

April 7, 1922
Plans Being Prepared.
STORE Cost, $5,000
PASO ROBLES, San Luis Obispo Co., Calif.
One-story brick store.
Owner—Frank Cummings.
Architects—Miller & Warenecke, Perry Bldg., Oakland.

Contract Awarded.
STORE & LOFT BLDG. Cost, $275,000
LOS ANGELES. SE 7th and Hill Sts.
Twelve-story class A store and loft building.
Owner—Sun Realty Co.
Architects—Aleck Curlett and Claud Beelman, associated, Union Bank Bldg., Los Angeles.
Contractor—MacDonald & Kahn, Loew State Bldg., Los Angeles.

Sub-figures Being Taken—Grading Contract Awarded.
OFFICE BUILDINGS Cost, $——
SAN FRANCISCO. S Market E of 8th.
Two 4-story and basement steel and concrete store and office buildings, and one 3-story steel and concrete store and loft building.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—D. C. Coleman, 110 Sutter St. San Francisco.
The grading has been awarded to The Carlin Grading Co., 180 Jessie St. Steel figures are now being taken and other sub-figures will be taken in a few days.

Contract Awarded.
AMUSEMENT PARK Cost, $500,000 or more.
SAN MATEO, San Mateo Co., Cal. Beach Resort known as Pacific City entrance gates, office building, etc.
Owner—Pacific City Cptn. (A. M. Gabelt, Manager, Room 222 Sharon Bldg., San Francisco).
Architect—Kuhn & Edwards, 833 Market St., San Francisco.
Contractors — Cameron & Disston, Hearst Bldg., San Francisco.
Work on Wharf and Pier awarded to Geo. A. Renner, 44 Lloyd St., San Francisco, $7,126.

Plans Being Prepared.
STORE BUILDING Cost, $——
SAN FRANCISCO. Stevenson and 5th Sts.
Six-story and basement class B annex to department store building.
Owner—Hale Bros.
Architect—Reid Bros., 105 Montgomery St., San Francisco.

Permit Applied For-Sub-figures Being Taken.
STORES & OFFICES Cost, $110,000
SAN FRANCISCO. S Market 363 E 8th.
Three-story frame and concrete offices and stores.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—D. C. Coleman, 110 Sutter St., San Francisco.
As reported before sub-figures are now being taken.

Contract Awarded.
STORE BUILDING Cost, $6169
SAN FRANCISCO. S Post Street 106 W Fillmore Street.
One-story Class C store building.
Owner—W. H. Hicks.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.
Contractor—R. J. H. Forbes, Monadnock Bldg., San Francisco.

Bids Opened.
CONCRETE BLDG. Cost, $20,000
OAKLAND, Alameda Co., Cal. Sixteenth near Broadway.
Two-story reinforced concrete building
Owner—F. F. Porter.
Architect — Chas. W. McCall, Central Bldg., Oakland.
W. G. McGinty & Sons, 214 Federal Bldg., Oakland $21,971
Walter Murch 22,396
Alfred Vogt 23,933
Peter & Hotchkins 23,948
M. E. Hopper & Son 23,989
J. M. Bartlett 24,600
Cahill Bros. 24,950

Contract Awarded.
STORE BLDG Cost, $——
BURLINGAME, San Mateo Co., Cal Broadway.
One-story reinforced concrete store building (3 stores).
Owner—Geo. Lemperopolus.
Engineer—J. W. F. Ryan, 1202 Broadway, Burlingame.
Contractor — Burlingame Bldg., Co., 1202 Broadway, Burlingame.

Plans to be Prepared.
ALTERATIONS Cost, $——
SAN FRANCISCO. SW Geary & Powell Streets.
Alter seven-story fireproof office and store building.
Owner—Adolph Uhl.
Engineer—T. Ronneberg, Crocker Bldg., San Francisco.
The ground floor will be altered into small highclass stores and the upper floors will be remodeled into highclass offices. Concrete girders will be replaced by steel, etc.

Plumbing Contract Awarded.
OFFICE BLDG. Cost, $——
SAN FRANCISCO. SE Sutter and Taylor Streets.
Six-story steel, brick and concrete office building.
Owner—J. S. Morgan.
Architect—M. V. Politeo, First National Bank Bldg., San Francisco.
Plumbing awarded to Jas. H. Pinkerton, 180 Jessie St., San Francisco.
Contracts on the concrete and carpenter work will be awarded shortly.

Segregated Figures Being Taken.
STORE BUILDING Cost, $20,000
OAKLAND. Broadway near 24th St.
One-story and mezzanine brick store building (4 stores).
Owner—Wm. Greuner.
Architect—Clay N. Burrell, First Savings Bank Bldg., Oakland.

Segregated Figures to be Taken by Owner Next Week.
ALTERATIONS Cost, $18,000
OAKLAND. Grand Ave. and Webster Street.
Alter garage into stores (12 stores).
Owner—Grand Avenue Garage, Cptn., premises.
Architect—Clay N. Burrell, First Savings Bank Bldg., Oakland.

Contract Awarded.
STORE Cost, $——
SAN FRANCISCO. N Geary Street 80 W Leavenworth Street.
One-story and mezzanine floor reinforced concrete store building.
Owner—Fred Larsen, 128 Sutter St., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
General Contractors—Mission Concrete Co., Call Bldg., San Francisco.

Plans Being Prepared.
OFFICE BUILDING Cost, $16,000
NEWARK, Alameda Co., Cal.
Two-story hollow tile and plaster office building.

Owner—Graham Mfg. Co.
Architect—Clay N. Burrell, First Savings Bank Bldg., Oakland.

Working Drawings Being Prepared.
OFFICE & STORE BLDG. Cost, $——
SAN FRANCISCO. N Market W of Sansome Street.
Seven-story Class A reinforced concrete office and store building.
Owner—Wm. H. Crocker.
Architect—Willis Polk & Co., Hobart Bldg., San Francisco.

Plans Being Prepared.
STORE BLDG. Cost, $25,000
SAN FRANCISCO. NE Clement St. and Eleventh Avenue.
One-story and mezzanine reinforced concrete store building.
Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Segregated Figures Being Taken.
STORE & LOFT BLDG. Cost, $——
SAN FRANCISCO. Mission near 7th.
Two-story and basement concrete and brick store and loft building.
Owner—Withheld.
Architect—C. A. Tantau, 251 Kearny St., San Francisco.

THEATRES

Sketches Being Prepared.
THEATRE & OFFICES Cost, $1,000,000
SANTA BARBARA, Cal.
Fireproof theatre and office building.
Owner—Mrs. E. Fiske Hammond.
Architect—R. H. Sauter, Santa Barbara, Cal.

Plans Being Prepared.
THEATRE Cost, $——
MODESTO, Stanislaus Co., Cal. 11th and J Streets.
Fireproof Theatre Building, 140x125 (Seating 1100).
Owner—George F. Covell, 1019 16th St., Modesto.
Architect—A. W. Cornelius, Merchants Nat'l. Bank Bldg., San Francisco.
Structure has been leased to A. A. Richards, former manager of the Modesto and Star Theatre.

Plans to be Prepared.
THEATRE Cost, $100,000
LODI, San Joaquin Co., Cal. North School between Elm and Pine Sts.
Two-story brick theatre.
Owner—T. and D. Junior Enterprises.
Architect—Not selected.

Plans Being Prepared.
THEATRE Cost, $100,000
LODI, San Joaquin Co., Cal. North School between Elm and Pine Sts.
Two-story brick theatre.
Owner—T. and D. Junior Enterprises.
Architect—A. W. Cornelius, Merchants National Bank Bldg., S. F.

Too Late to Classify

Contract Awarded.
APARTMENTS Cost, $43,221
SAN FRANCISCO. SW Grove and Scott.
All work except electrical fixtures, wall beds, finish hardware and shades for a three-story and basement frame apartments (12 4-room apartments and basement garage).
Owner—A. F. McCormick.
Architect—E. E. Young, 215 Kearny St., San Francisco.
Contractor—Fred Miller, 225 Dolores St., San Francisco.

To be Done by Day's Work.
APARTMENTS Cost, $15,000
SAN FRANCISCO. S Bush E Larkin.
Three-story and basement reinforced concrete (6) apartments.
Owner—E. B. Lacey, 180 Jessie St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $36,000
SAN FRANCISCO. N Sacramento St. 161 W Franklin St.
Three-story and basement frame (6) apartments.
Owner—Milton Latham.
Architect—Milton Latham, 454 Montgomery St., San Francisco.
Contractor—Taylor & Jackson, 290 Tehama St., San Francisco.

Contract Awarded.
WAREHOUSE Cost, $90,000
LOS ANGELES. SE San Pedro St. and Ducasse Alley.
Two-story brick warehouse 75x197.
Owner—Southern California Telephone Co.
Engineer—E. V. Cobby, San Francisco.
Contractor—MacDonald & Kahn, Loew State Bldg., Los Angeles.

Contract Awarded.
WAREHOUSE Cost, $110,000
LOS ANGELES. Santa Monica Blvd. and Cahuenga Ave.
Six-story and basement reinforced concrete warehouse.
Owner—Premier Fireproof Storage Co.
Architect—E. T. Flaherty, 435 I. W. Hellman Bldg., Los Angeles.
Contractor—G. A. Fellows, Central Bldg Los Angeles.
Llewellyn Iron Works has the contract for elevators and Waterhouse-Wilcox Co. has contract for elevator doors. Plumbing, heating and wiring have not been let.

Sub-Contracts Awarded.
FACTORY BLDG. Cost, $——
OAKLAND, Alameda Co., Cal. NE E-Fourteenth St. and NW Stanley Ave.
Two-story reinforced concrete factory building.
Owner—Durant Motors Co.
Engineer—H. J. Brunnler, Sharon Bldg. San Francisco.
Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.
Painting awarded to The Neal Co., 538 Hayes St., San Francisco. $19,000.
Asphaltic Mastic Flooring to Malott & Peterson, 2412 Harrison St., San Francisco, $2355.

Contract Awarded.
FLATS Cost, $13,000
SAN FRANCISCO. W 9th Ave. 200 N Fulton.
Two-story and basement frame (2) flats.
Owners—Meyer & Eliz. Gorfinkel, 4038 California St., San Francisco.
Architect—None.
Contractor—W. K. Irvine, 1387 Hayes St., San Francisco.

Contract Awarded.
FRAME FLATS. Cost. $10,140
SAN FRANCISCO. E Baker 100 S Filbert Street.
Two-story and basement frame (2) flats.
Owner—Francis L. McGrath, 2737 Market St., San Francisco.
Architect—None.
Contractor—W. W Rednall, 2500 Filbert St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $15,000
SAN FRANCISCO. Fifteenth Avenue near Balboa Street.
Two-story frame and plaster residence.
Owner—Withheld.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.

Segregated Figures to be Taken Next Month.
RESIDENCE Cost, $25,000
SAN FRANCISCO. Sea Cliff.
Two-story and basement frame and plaster residence and garage.
Owner—Francis Crosby.
Architect—C. A. Tantau, 251 Kearny St., San Francisco.

MARTINEZ, Contra Costa Co., Cal.—The Bay Cities Home Builders, a corporation organized to build homes, buying and selling land, and lending money for home building purposes has filed articles of incorporation with the county clerk. Company is capitalized at $1,000,000. Directors are: E. M. Downer, Pinole; B. Shapiro, C. G. Dahl, Geo. Wagner and W. K. Powell of San Francisco, each of whom have subscribed one share of stock.

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Official Proposals

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Board of Trustees of the Parlier School District for the construction of a two-story school building, **up to but not later than four o'clock P. M., on the 10th day of May, 1922,** at the public school building in the Town of Parlier, California.

The work to be done in accordance with the plans and specifications prepared by Swartz & Ryland, the authorized Architects employed by the said Board, and under their direction as construction Superintendents.

Proposals will be received on the work according to the segregation noted in the specifications. Each proposal shall be made on a proposal blank to be obtained from the Architects, and to be signed by the Bidder, and must be accompanied by a certified check, or bidders' bond, in the amount of ten (10%) per cent of the total amount bid, made payable to Mrs. L. M. Say, Clerk of the said Board to be retained by the said School District as liquidated damages should the party or parties to whom the contract has been awarded fail to enter into contract within ten days after the award, or to give bond in the amount of fifty (50%) per cent of the amount of the contract required for the faithful performance of the contract.

Plans and specifications may be obtained from the office of Swartz & Ryland, Architects and Engineers, Room 624 Rowell Building, Fresno, California, on a cash deposit of Ten Dollars as a guarantee that the plans will be returned in good condition at the expiration of the time loaned for estimating purposes.

The Board of Trustees reserves the right to reject any and all bids.

(Signed) J. B. PARLIER.
MRS. L. M. SAY,
E. J. MONCRIEF.
Board of Trustees, Parlier School District.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **The California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on May 8, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Solano County, between Fairfield and Vacaville (III-Sol-7-C), about eight and nine-tenths (8.9) miles in length, to be surfaced with asphalt concrete.

San Luis Obispo and Santa Barbara Counties, across Cuyama River (V-SLO-SB-57-A), a bridge consisting of one 200 foot steel truss span, and five 30 foot reinforced concrete girder approach spans, with the necessary pier, abutments and bents.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated April 10, 1922

> A call for bids published in this section indicates that bids are desired from other than local bidders. Maximum competition is desired, and this is assured through BUILDING AND ENGINEERING NEWS which reaches every worth-while contractor and materialman in Central and Northern California who bids on public work.
>
> **Rate:** 10 cents per line, per insertion.
>
> All official calls for bids of the California State Highway Commission and Nevada State Highway Commission are published in this section.

BIDS WANTED FOR TWO SCHOOL BUILDINGS

NOTICE TO BIDDERS

SEALED BIDS are hereby invited and will be received by the Board of Education of the Richmond School District at its office in the Lincoln School, 235 Tenth Street, Richmond, California, **up to and including the hour of 8 o'clock P. M. of Wednesday, April 26th, 1922,** at which time and place said bids will be opened, for all labor and material for the construction of the following buildings and heating and ventilating systems according to plans and specifications prepared by James T. Narbett, authorized architect, and adopted by this Board.

1. Roosevelt Junior High School building.
2. Heating and ventilating system for same.
3. Nystrom School.
4. Heating and ventilating system for same.

All said bids must be in accordance with the requirements laid down in the plans and specifications and must be accompanied by a certified check, made payable to W. T. Helms, Clerk, for 10% of the amount of the bid, which amount shall be forfeited by the successful bidder should he fail to enter into contract with the Board of Education within ten days after the award of the contract.

Plans may be obtained at the office of Mr James T. Narbett, 906 Macdonald Ave., Richmond, and at the office of Leland & Haley, 58 Sutter Street, San Francisco, California.

The Board reserves the right to reject any or all bids.

By order of the Board of Education
J. O. FORD, President.
W. T. HELMS, Clerk

Richmond, Calif.,
March 28, 1922.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received by the undersigned **until 1.30 o'clock P. M., May 3, 1922,** for constructing a portion of the State Highway System in Humboldt County, between five (5) miles west of Valmy and East County line—work consisting of grading, construction of culverts and placing gravel surface.

Plans may be examined and form of proposal, contract and specifications secured at office of undersigned. May also be examined at the County Clerk's office in Winnemucca. Cash deposit of fifteen dollars ($15.00) with undersigned required for copy of plans, which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department, and must be accompanied by a certified check in the amount of 5% of the bid.

Each bidder must accompany his bid with a certificate from a Surety Company, duly authorized to do business in this state, stating that such Surety Company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and specifications.

Right is reserved to reject any or all bids.

GEO. W. BORDEN,
State Highway Engineer, Carson City, Nevada.

NOTICE CALLING FOR BIDS

For Furnishing All Materials and Labor in Connection With the Construction and Completion of Alterations and Additions to Two School Buildings for the North Sacramento School District.

The Board of Trustees of the North Sacramento School District, of Sacramento County, State of California, will received bids **until 8 o'clock P. M. on the 2nd day of May, 1922,** for the furnishing of all materials and labor in connection with the construction and completion of additions and alterations to the Hagginwood and North Sacramento Schools in the said district, and at the expiration of the time named, bids will be opened, examined, and publicly declared in open session of the said Board of Trustees, in the auditorium of the North Sacramento School. None but sealed bids will be considered, and all bids must be mailed to H. G. Baugh, Clerk of said Board of Trustees, whose postal address is Room 331, Forum Building, Sacramento, California.

All proposals shall be accompanied by a check certified to by a responsible bank, made payable to the order of H. G. Baugh, Clerk of the Board of Trustees of the North Sacramento School District, in an amount not less than 10% of the aggregate of the proposal, which check in the amount therein named shall be forfeited to and be retained by the Board of Trustees of said school district if the successful bidder fails to execute the contract in the required form and furnish the bonds required as set forth later in this notice. The bidder to whom the contract is awarded will be required to enter into a written contract within five days after written notice of the award thereof, unless otherwise notified in writing by the said Board of Trustees or architect, and to fully complete the said work within the time limit set forth in the contract.

All of said materials and labor required shall be in accordance with

the plans and specifications on file with the Board of Trustees of said school district.

After the award, and upon execution of the contract, the contractor shall at the same time execute to the North Sacramento School District and deliver to the Clerk of said Board of Trustees a bond guaranteeing to the said school district the faithful performance of the contract in an amount equal to 50% of the amount named in the contract.

He shall likewise execute and deliver at the same time, another and separate bond to protect any and all persons performing labor upon the said work in an amount equal to 50% of the amount named in the contract.

The plans, specifications and drawings for said work may be had at the office of the architect, E. C. Hemmings, 425 Oehsner Building, Sacramento, California, upon a deposit of $15.00, which said deposit will be returned to the applicant when said plans, specifications and drawings are returned to the aforesaid office in good condition.

Bidders will be furnished blank forms of proposals upon application at the office of the aforesaid architect.

The Board of Trustees of the North Sacramento School Distirct reserves the right to reject any or all bids to waive any informality in any bid received.

IN WITNESS WHEREOF, we have hereunto set our hands this 12th day of April, 1922.

H. G. BAUGH,
ELLA M. HARDER,
L. R. SMITH,
Trustees of North Sacramento School District, Sacramento County, State of California.

BIDS WANTED FOR INFIRMARY BUILDING

NOTICE TO CONTRACTORS

OFFICE CONSTRUCTING QUARTERMASTER, FORT MASON, SAN FRANCISCO, Calif., April 3, 1922—Sealed proposals, in triplicate, for constructing an Infirmary, including all utilities, at Benicia Arsenal, Benicia, Calif., will be received here until 11 A. M., April 24, 1922, and then opened. Plans, etc., furnished on application. Ten Dollars ($10.00) deposit required to insure return of plans, etc.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on May 1, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Lake County, between Westerly Boundary and Upper Lake (I-Lak-15-A), about nine (9.0) miles in length, to be graded.

San Benito County, between San Juan and Pajaro River (V-SBt-2-A), about four and six-tenths (4.6) miles in length, to be paved with Portland cement concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated April 3, 1922.

NOTICE TO CONTRACTORS

(School, Septic Tank and Drainage System; estimated cost, $30,000)

NOTICE IS HEREBY GIVEN That the undersigned as trustees of the Meridian Grammar School District, Meridian, Sutter Co., Cal., will receive **up to the hour of 1.30 o'clock P. M., Saturday, April 22, 1922,** sealed bids for the construction of a Grammar School Building, also septic tank and drainage system. All to be on the property of the Meridian School District, Meridian, Sutter Co., Cal., and to be in accordance to plans and specifications for same prepared by Chester Cole, Architect, Chico, Cal.

Plans may be seen at the residence of C. E. Reische, Meridian, Cal., Clerk of the Board of Trustees of Meridian Grammar School, or at the Architect's Office, Chico, Cal.

Each bid shall be accompanied by a check certified by a responsible bank for the amount of 10% of bid as provided for in said specifications.

The Board of Trustees reserves the right to reject any or all bids.

Bids to be sent to or filed with C. E. Reische, Clerk of the Board. Bids will be opened at the Meridian Grammar School Building.

C. E. REISCHE,
Clerk.
W. L. STEPHENS,
C. C. MESSICK,
Trustees of Meridian School District, County of Sutter, State of California.

NOTICE TO CONTRACTORS

(Alterations and Additions to Garage)

Office of the Clerk of the Board of Supervisors, Alameda County, California.

Sealed bids will be received by the Clerk of the Board of Supervisors of Alameda County, at his office, **until Monday, May 1st, 1922, at 10 o'clock A. M.** (the day when said bids will be opened and the contract awarded) for

Alterations and additions to a one-story brick garage building located on the southerly side of Fourth street, between Broadway and Washington streets, City of Oakland, Alameda County, California.

Plans and specifications on file in the office of the County Clerk open to inspection. Copies may be obtained by depositing ($10) ten dollars. Contractors will be restricted as to the length of time these plans may be retained to ten days. Contractors failing to return said plans and specifications within said time limit will forfeit the deposit.

Each bid must be accompanied by a check for at least ten per cent of the amount of the bid or proposal, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board, to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or to give the bond required by the Board of the faithful performance of the contract.

The Board reserves the right to reject any or all bids.

(SEAL) GEO. E. GROSS,
Clerk of the Board of Supervisors of the County of Alameda.
Dated: April 3, 1922.

NOTICE TO CONTRACTORS

(Boiler Plant Additions and Electric Distributing System)

Sealed bids will be received up to 8 P. M. of April 24, 1922, by the Board of Trustees of the Kern County Union High School District, Bakersfield, Cal., for furnishing all materials and labor for and the erection and completion of additions to the Boiler House and a Complete Electrical Distributing System to be installed in said addition in accordance with plans and specifications on file with the Clerk of said Board and open for the inspection of bidders. Copies of said plans and specifications may be had at the office of the Architect, Charles H. Biggar, 405 First National Bank Bldg., Bakersfield, and the work will be done under his supervision.

All bids must be accompanied by a certified check in the amount of at least ten (10%) per cent of the amount bid, such check to be made payable to the Kern County Union High School District and same will be held as evidence of good faith that the successful bidder will enter into contract for the proposed work and in addition thereto will furnish good and sufficient bonds therefor.

Bids will be received separately or as a whole. The Board of Trustees reserves the right to reject any or all bids and to waive any informality in any bid received.

By order of the Board of Trustees, Kern County Union High School District, Kern County, Calif.

E. W. OWEN,
President.
W. J. WALTERS,
Clerk.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on April 24, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

San Luis Obispo County, between San Luis Obispo Creek and Cuesta (V-SLO-2-D), about three and six-tenths (3.6) miles in length, to be paved with Portland cement concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated March 27, 1922.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SAN RAFAEL, Marin Co., Cal.—S. P. Brownlee, San Rafael, at $3400, awarded contract to construct bridge over Keyes Creek.

IMPERIAL, Cal.—County Highway Commission plans to construct a bridge across New River, south of Seeley. Work will be paid for out of surplus remaining from county road work.

RIVERSIDE, Cal.—Supervisors accepted plans of Houghton & Bonte, engineers, Phelan Bldg., San Francisco, for reinforced concrete bridge over Santa Ana river at West Riverside. Bridge will consist of seven 72-ft. arch spans with towers at either end of the bridge. Estimated cost, $95,000. Bids will we taken in about two weeks.

SACRAMENTO, Cal.—Until April 25, 2 P. M., bids will be received by Reclamation District No. 1500, 301 California Fruit Bldg., Sacramento, for constructing reinforced concrete culvert through levee near Knights Landing, involving 10,000 cu. yds. earth excavation and back fill; 350 cu. yds. concrete and 65,000 lbs. reinforced steel. Specifications will be furnished on request.

MONROVIA, Cal.—City Engineer H. S. Glerlich, is completing plans for a bridge across the Santa Anita wash, in connection with the proposed improvement of West Orange Ave. between Mayflower and the city limits, joining Monrovia and Arcadia.

SANTA BARBARA, Cal.—Until 10 A. M., May 1, bids will be received by supervisors for constructing reinforced concrete trestle bridge with timber wingwalls, across creek at Sta. 681-75, at junction of 4-A-1 and 4-A-2, Permanent Road Division of Lompoc, near Santa Rose school house, in 4th Road District. County furnishes concrete piles at town of Buellton. Plans and specifications from office of County Surveyor Owen H. O'Neill.

GRASS VALLEY, Nevada Co., Cal.—Agreement has been reached between State Highway Commission and counties of Nevada and Placer to build bridge over Bear river on State highway; estimated cost, $30,000. State will pay ½ cost and the counties the balance.

REDDING, Shasta Co., Cal.—Supervisors order bids received for two bridges across Pit river at Fall River Mills and across canal at McArthur. On Pit river structure, three types of construction are provided, arch, girder and 2-span McArthur bridge will be a girder structure.

OROVILLE, Butte Co., Cal.—Until May 3, 1.30 P. M., bids will be received by C. F. Belding, county clerk, to construct Pine Creek Bridge on Cana road, near Cana, 150 ft. long, involving 284.0 cu. yds. concrete. Harry H. Hume, county road engineer.

SACRAMENTO, Cal.—Until May 8, 2 P. M., bids will be received by State Highway Commission, Forum Bldg., Sacramento, to construct bridge across Cuyama river to be 200 ft. steel truss span and five 30-ft reinforced concrete girder approach spans, with necessary pier, abutments and bents. Austin B. Fletcher, state highway engineer.

SANTA BARBARA, Cal.—Quinton, Code & Hill, consulting engineers, Hollingsworth Bldg., Los Angeles, submit report to city council estimating cost of repairing cover apron below spillway at Gibraltar Dam at $90,000. Apron is to be extended 100 ft., requiring 3500 tons rock excavation. About $40,000 will be available for the work in 3 months.

EUREKA, Humboldt Co., Cal.—Supervisors definitely decide to construct bridge across Van Duzen river at Blue Slide which blocks the Eureka-Red Bluff highway beyond Strong's Station, several months in the year. Structures will probably be of concrete construction. A. J. Logan, county surveyor.

WILLOWS, Glenn Co., Cal.—F. P. Teal, Orland, at $3900, awarded contract by supervisors to construct reinforced concrete bridge over Watson creek in Road District 3. Bayard Knock, county surveyor.

OROVILLE, Butte Co., Cal.—Until May 3, 1.30 P. M., bids will be received by C. F. Belding, county clerk, to construct bridge over Pine creek on Dicus road. Harry H. Hume, county road engineer.

NAPA, Napa Co., Cal.—Until May 9, 10 A. M., bids will be received by Jas. A. Daly, county clerk, to construct reinforced concrete bridge at Hobson's corner in Road District 1, for constructing reinforced concrete returns at: ⅛ mile north of Napa State Hospital, 5 concrete returns along highway between Napa and Yountville. O. H. Buchman, county surveyor.

EUREKA, Humboldt Co., Cal.—Smith Bros., Eureka, at $3302, awarded contract by supervisors to construct concrete girder bridge over Salmon creek near Beatrice. Other bidders: Mercer-Fraser Co., $4750; W. C. Elsemore, $3939; F. H. Green, $5400; Padgett & Kelly, $4445. A. J. Logan, county surveyor.

IRRIGATION PROJECTS

FULLERTON, Cal.—Property owners propose to form a drainage district in the Buaro and Newhope sections south of Garden Grove, embracing 2500 acres. W. W. Weir, drainage engineer, has been called in consultation by County Farm Advisor Wahlberg.

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LIGHTING SYSTEMS

FAIRFIELD, Solano Co., Cal.—Until April 18, 8 P. M., bids will be received by J. H. Prather, city clerk, for installing 33 electroliers in Texas St. Work under Imp. Act 1911. Plans on file in office of clerk.

SAWTELLE, Cal.—F. H. Hamilton, Secretary Chamber of Commerce, has estimated cost of lighting Santa Monica Blvd. to sea at $28,750. Work will comprise 11 ft. single Marbelite posts, and will be done under street improvement law.

FULLERTON, Cal.—Trustees declare intention to install ornamental lighting in main portion of city, including portions of Union, Chapman, Whiting, Amerige, Commonwealth and North Pomona Aves.

REDLANDS, Cal.—Southwest Electrical Co., Redlands, awarded contract at $1998.75, for lighting on West Colton Ave.

CHINO, Cal.—Chamber of Commerce appoints committee to provide plans for ornamental lighting on 6th and D Sts.

MACHINERY

PORTLAND, Ore.—Following bids received by Public Dock Commission for furnishing and delivering 50 gross tons of 80-pound steel rails with alternate proposals on 75-pound rails; 150 pairs of splice bars; 5 kegs of track bolts, and 3000 tie plates as follows:

United States Steel Products Co., 80-pound rails, $60.82 per ton; up to 5 per cent No. 2, $58.88 per ton; splice bars, $4.29 per cwt.; bolts, $4.39 per cwt., tie plates, $2.79 per cwt.

Colorado Fuel Co., first quality, 75-pound rails, $70.95 per ton; second quality, $68.95 per ton; splice bars, $3.65 per cwt.; bolts, $4.40 per cwt.; tie plates, $66 per net ton.

Consolidated Railway Equipment Co., 80-pound rails, $60.70 per ton; splice bars, $4.10 per cwt.; track bolts, $4.50 per cwt.; tie plates, $2.73 each.

The United States Spruce Production Corporation offered to sell 13½ tons of 80-pound rails for $54 per ton and 40 pairs of splice bars for $3.50 per cwt. Bids taken under advisement.

LOS ANGELES, Cal.—Bids received by Public Service Commission April 7, for wrought galvanized steel water pipe, with threads and couplings, in quantities, were: Pacific Pipe & Supply Co., $4.59 per 100 ft. for 10,000 ft. ½-in. pipe; 5.59 per 100 ft. for 100,000 ft. ¾-in., and $7.94 per 100 ft. for 25,000 ft. 1-in., f. o. b. factory, shipment by rail and water. Shipment by rail only, $5.09, $6.25 and 8.92, from stock, $5.21, $6.40 and $9.14. Union Hardware & Metal Co., $4.62, $5.62 and $8 f. o. b. whse., delivery 4 to 6 weeks. Hush Pipe & Supply Co., $4.54, $5.54, $7.88 f. o. b. whse. N. O. Nelson Mfg. Co. $4.73, $5.75 and $8.17 f. o. b. whse. shipment by rail and water. Cal. Hardware Co., $4.52, $5.49 and $7.81 f. o. b. cars, delivery 30 to 35 days. Shinn-Holtz-Lyon Co., $4.49, $5.68 and $7.93; delivery in 45 days. Mark-Lally Co., $4.51, $5.46 and $7.75, delivery 4 to 6 weeks, immediate shipment from Zanesville, O. Smith Boiler & Pipe Co., $4.63, $5.62 and $8 f. o. b. whse., shipment by rail and water, from mill in Pittsburg, one week after receipt of order. Fairbanks, Morse & Co. $4.62, $5.62 and $7.97, delivery 4 to 5 weeks. Associated Supply Co., $4.45, $5.50 and $7.68, f. o. b. cars

Los Angeles, shipment by rail and water. Republic Supply Co., $4.42, $5.35 and $7.61 f. o. b. whse., delivery in 30 to 35 days. Thos. Haverty Co., $4.60, $5.55 and $8.17 f. o. b. whse., delivery in 50 days.

INGLEWOOD, Cal. — Westinghouse Elec. & Mfg. Co., awarded contract at $931.16 for furnishing city one 75 h. p. motor.

INGLEWOOD, Cal.—Ingersoll-Rand Co., awarded contract at $3184 for furnishing city one XB1 duplex compressor, power driven, with cylinders 12x14.

LOS ANGELES, Cal.—Until 3 P. M., May 5, bids will be received by the Public Service Commission, 207 S. Broadway, for synchronous condenser installation. Specifications P-261. Jas. P. Vroman, Secretary.

LOS ANGELES, Cal.—Until 2:30 P. M. April 25, bids will be received by the Board of Harbor Commissioners, Room 33, City Hall, for track accessories; Specifications No. 273. Certified check or bond 10%. Guy W. Wade, Secretary.

SEATTLE, Wash.—Until April 21, 10 A. M., bids will be received by C. B. Bagley, secretary Board of Public Works, for constructing 2 crossing towers approximately 240 ft. high and 2 approach towers approximately 125 ft. high, complete with cross arms, anchors and fittings; erected on foundations furnished by city; towers to carry twelve 400,000 circular mill copper conductors across West Waterway with a span of 630 ft. at a minimum elevation of 200 ft. above high tide. Cost, approximately $150,000.

BERKELEY, Alameda Co., Cal.—Until April 20, 12 M., bids will be received by Eugene K. Sturgis, city clerk, for furnishing 2 roadster type autos and one 5-passenger auto for Police Department.

LOS ANGELES, Cal.—Until 3 P. M., May 2, bids will be received by Public Service Commission, 207 S Broadway, for trucks. Specification P-267. Jas. P. Vroman, secretary.

SAN FRANCISCO—Bids received April 12th by the Board of Public Works for water wheels and valves and accessory equipment for the Moccasin Creek power plant, Hetch Hetchy project, have been referred to City Engineer M. M. O'Shaughnessy for report. On water wheels and valves bds were received from Union Machine Co., Wellman-Seaver-Mogan Co., Coffin Valve Co., Pittsburg Valve Foundry Co., Crane Co., Bethlehem Co., Pelton Water Wheel Co., Allis-Chambers Co., and Joshua Hendy Co. On electric generators and accessory equipment bids were received from Westinghouse Electric & Mfg. Co., General Electric Co. and Allis-Chambers Co.

LOS ANGELES, Cal. — Frank H. Greene, submitted low bid to the Board of Public Works, April 10, at $30,150, for constructing Harris Place Pumping Plant. The bid comprised (1) concrete structures containing pump pit and water pit, and 45 ft. reinforced pipe sewer, $19,775; (2) pumping equipment and all appurtenances, cast iron pipe, installed to operate, and exhauster completely installed, $7675; (3) brick pump house complete, water pipe and grading of lot, lighting system, $2700. J. P. Hunter bid (1) $21,000; (2) $7950; (3) $2950; total $31,900.

ALHAMBRA, Cal.—Mark, Lally Co., submitted low bid to city trustees at $1364, for cast iron hub end water gates with brass trimmings, for 150 lbs. working pressure, involving 105 4-in. at $7.60, 14 6-in. at $13; 3 8-in. at $21.60; 3 12-in. at $50; 1 14-in. at $69.20; 1 16-in. at $100. Other bids were: Crane Co: $7.75 4-in., $13.25 6-in., $21.95 8-in., $50.75 12-in., $70.50 14-in., $101 16-in.; Chapman, Bell Mfg. Co., $8.50 4-in., $14.35 6-in., $23.50 8-in., $53 12-in., $77.50 14-in., $110 16-in.; Fairbanks, Morse & Co., $1600 total if pressure under 150 lbs., $1475 if under 185 lbs.; Thos. Haverty Co., $1503; Shinn, Holtz, Lyon Co., $823 4-in., $14.11 6-in., $23.27 8-in., $53.36 12-in., $74 14-in., $105.97 16-in.; Smith-Booth-Usher Co., $7.65 4-in., $13.14 6-in., $21.92 8-in., $50.50 12-in., $69.93 14-in., $100.60 16-in.; Waterworks Supply Co., (1) 150 lbs. pressure, $11.10 4-in., (2) 125 lbs. pressure, $9.70 4-in., $20.10 and $17.90 6-in., $31.95 and $26.45 8-in., $60.05 and $48.60 12-in., $89.55 and $80.55 14-in., $110.50 and $97.80 16-in. Bids taken under advisement.

BAKERSFIELD, Kern Co., Cal.—Until May 8, 10.30 A. M., bids will be received by F. E. Smith, county clerk, for erecting water tank, pipe system, motor, etc., for Kern county courthouse. Chas. H. Biggar, First National Bank Bld., Bakersfield, architect, from whom plans may be obtained.

LOS ANGELES, Cal.—Until May 2, bids will be received by public service commission, 207 S Broadway, for four 110,000-volt high voltage, horizontal wall entrance bushings. Bids wanted on both dry and oil filled types. Prices to be quoted f. o. b. cars Los Angeles, and f. o. b. contractor's shipping point. Delivery to be stated. Spec. P-269-167. Jas. P. Vroman, secretary.

LOS ANGELES, Cal.—Public Service Commission has awarded contracts for equipment as follows: General Motors Co., one truck at $1,695.28; H. J. Ruddle Co., one dumptruck at $4708; Earl E. Anthony, one truck at $3980.

Kelman Electric Co. awarded contract at $36,000 for furnishing department of public service, f. o. b. Los Angeles, thirty 33,000-volt oil switches, delivery to begin in 75 days, completed in 150 days.

Brown-Bevis Co., 422 E. 3rd St., awarded contract at $2319 for furnishing one "Smith" concrete mixer; delivery in 4 to 5 days.

H. J. Ruddle Co. awarded contract at $4708 for furnishing one 3½-ton steel body Fageol dump truck.

RAILROADS

SAN FRANCISCO—Continental Construction Co., Los Angeles, at $8278, submits low bid to Board of Public Works to install concrete trolley poles and electric constructors in Taraval St., under Contract 131, Municipal Railway system. M. E. Ryan, bid $9628.

SAN FRANCISCO—Eaton & Smith, 407 11th St., at $42,285, submits low bid to Board of Public Works to construct Taraval street extension of Municipal Railway system. Other bidders: Jas. McElroy, $45,286; Continental Construction Co., $48,733; Cowden-Broderick Co., $52,519.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

FRESNO, Fresno Co., Cal.—City Engineer Wm. Stranahan, completes specifications to improve Montecito Ave. bet. Hazelwood Blvd. and Fourth St., involving 86,520 sq. ft. grading; 81,190 sq. ft. 2½-in. asphaltic base with 1½-in. Warrenite surface pavement; 2114 ft. curb; 5120 sq. ft. gutter; 7220 sq. ft. walks; 320 ft. 12-in. and 304 ft. 18-in. corrugated culvert; 12 manholes.

CARSON CITY, Nevada — Nevada State Highway Commission awards following contracts:

Kroft & Bundy, Odgen, Utah, at $22,927, awarded contract to gravel surface 4.19 miles bet. Bulkhead and Hudson on Aurora road in Lyon county.

John Ross, Yerington, Nevada, $53,889, awarded contract to grade and construct culverts on 5.72 miles of Yerington-Wilson road, in Lyon county

J. H. Causten, Lovelock, Nevada, at approximately $49,000, awarded contract to construct Leeteville-Hazen road in Churchill county.

FRESNO, Fresno Co., Cal.—Federal Construction Co., Call Bldg., San Francisco, at $46,881, awarded contract by Council to improve First St. between Belmont and Tulare, involving 158,064 sq. ft. grading; 114,236 sq. ft. 5-in. asphaltic concrete pavement; 5610 sq. ft. concrete gutter; 3540 lin. ft. concrete curb; 20,393 sq. ft. concrete sidewalks; 403 lin. ft. 12-in. and 224 lin. ft. 18-in. corrugated iron culvert; 12 manholes.

Thompson Bros., 1514 H St., Fresno, at $36,728, awarded contract to improve Calaveras St. between H and Divisadero, involving 120,377 sq. ft. grading; 112,751 sq. ft. 3½-in. Warrenite top pavement; 7282 sq. ft. gutters; 4513 lin. ft. curbs; 208 lin. ft. 18-in. corrugated culvert and 4 manholes.

VENTURA, Cal.—T. M. Morgan, Seattle, Wash., submitted only bid at $15,499, for constructing 1½ miles roadway from N county line limits to S limits of Oxnard, involving 126,162 sq. ft. 5-in. concrete paving. State furnishes cement, sand and gravel. Bid rejected as too high. Chas. W. Petit, county surveyor.

SANTA ANA, Cal.—Until 2 P. M., April 18, bids will be received by supervisors to improve Bolsa Blvd. and Verano St. 3¾ miles, 20 ft. wide, by surfacing existing concrete pavement with concrete slab 5 to 8 in. thick. County to furnish cement. J. L. McBride, county road commissioner.

VISALIA, Tulare Co., Cal.—Valley Paving and Construction Co., Visalia, awarded contract to improve West Acequia St. and East Mineral King avenue.

PASADENA, Cal. — Meagenovich & Gillespie, 1029 W 36th St., Los Angeles, awarded contract at $42,790, for constructing sewers in Pasadena Heights.

HERMOSA BEACH, Cal.—H. Wigman Hermosa Beach, was awarded contract at $15,536.30, to improve Loma Drive between Ocean View school and Pier Ave.

FRESNO, Fresno Co., Cal.—Until Apr 20, 3.30 P. M., bids will be received by R. Y. St. George, city clerk, to improve Linden Ave. between Olive and Florodora Aves., involving 47,021 sq. ft. paving; 42,321 sq. ft. 3½-in. asphaltic base with 1½-in. Warrenite top pavement; 4512 sq. ft. gutter; 2461 ft. curb; 11,116 sq. ft. walk; 68 ft. 12-in. and 112 ft. 18-in. culvert; 4 manholes.

Separate bids, same date, to construct 5,748 sq. ft. cement sidewalks in Washington Ave. between Merced and Thesta. Wm. Stranahan, city engineer.

FRESNO, Fresno Co., Cal.—City Engineer Wm. Stranahan requests council to appropriate $100,000 for garbage disposal system. Itemized estimate follows: Land $7,000; cableway machinery, $15,714; freight and hauling, $1,500; 38,000 feet lumber, $1520; 14,400 lbs. iron work, $2160; 24 pairs wheels and axles, $1800; labor erecting cableway, $4000; 90 ft. of track for towers, $2250; electric lines and switches, $1500; well and pumping outfit, $1800; skip and cars, $2500, 2640 ft. of 9 ft road, $7200; fences, $1200; 17 trailers at $1500 $25,500; 3 trucks at $6000, $18,000; 1 automobile, $550; repairs, etc., at house, $1500; incidentals and contingencies, $4306.

VACAVILLE, Solano Co., Cal.—State Board of Health will recommend that City Trustees provide funds for the establishment of sewage disposal works.

STOCKTON, San Joaquin Co., Cal.—Until April 24, 10 A. M., bids will be received by Eugene D. Graham, county clerk, to improve County highway on Staten Island in Union Road District known as the W. H. Buttrick Road No. 79, extending South from the State Highway.

Separate bids, same date, to improve portions of 3rd St. and Jackson Ave., in town of Escalon, Dent Road District, by grading, constructing concrete curbs and gutters, and placing oil macadam pavement. F. E. Quail, county surveyor.

VENTURA, Cal.—County Engineer Chas. W. Petit is preparing specifications to improve Casitas Pass Road through Foster Park.

CARSON CITY, Nevada—Federal aid projects proposed for 1922 are:

A. Bulkhead to Hudson Rd., 4.16 mi., gravel surfacing 5-in. thick, 12-ft. wide.

No. 10, Illipah to Robinson Summit, 15.01 miles, 58,000 cu. yds. excavation, gravel surfacing 5-in. thick, 10 ft. wide.

No. 15, W Elke Line to Vivian, 8.34 miles, 37,000 cu. yds. excav., grading only.

No. 18, Elko to Halleck, 19.83 miles, 81,000 cu. yds. excav., surfacing with gravel, 5-in. thick, 15 ft. wide.

No. 19, Zola to Humboldt House, 10 miles, gravel surfacing, 5-in. thick, 15 ft. wide.

No. 22, W Eureka Line to White House Ranch, 6.31 miles.

No. 26, Reno to Lawtons, 3.6 miles, concrete surface 6-in. thick, 15 ft. wide.

No. 30, Lakeview to Carson, 3.5 miles, 1900 cu. yds. excav., concrete surface, 6-in. thick, 15 ft. wide.

No. 32, W Humboldt Line to Stone House, 10.84 miles, 52,000 cu. yds. excavation, gravel surfacing, 5-in. thick, 15 ft. wide.

No. 33, 6 miles south of Yerington to Wilsons, 7.04 miles, 21,000 cu. yds. excavation, gravel surfacing, 5-in. thick, 15 ft. wide.

No. 34, Hazen to Leeteville, 8.29 miles, 30,800 cu. yds. excavation, gravel surfacing, 6-in. thick, 15 ft. wide.

No. 31, Eureka to Hayranch, 12.17 miles, gravel surfacing, 5-in. thick, 10 ft. wide.

No. 38, Cradlebaugh to Douglas County, 2.37 miles, gravel surfacing, 5-in. thick, 15 ft. wide.

No. 44, Pancake to Summitt Illipah, 22.96 miles, 110,000 cu. yds. excavation, gravel surfacing, 5-in. thick, 10 ft. wide.

No. 45, vicinity of Frenchman's Sta., 5 miles, 25,000 cu. yds. excavation, gravel surfacing, 5-in. thick, 10 ft. wide.

Proposed state highway paving in cities as follows: Sparks, 2.25 miles; Carson City, ½ mile; Fallon, 2 miles; cities as follows: Sparks, 2.25 miles; all 6-in. concrete, 18 ft. wide.

PORTERVILLE, Cal.—Petitions for paving West Belleview Ave. has been presented to city council. Fred Pease, city engineer.

STOCKTON, San Joaquin Co., Cal.—Until April 25, 10.30 A. M., bids will be received by A. L. Banks, city clerk, to construct storm sewers in Madison, Monroe, Lincoln, Main, Market, Harrison, North Center, North El Dorado and North San Joaquin Sts. Certified check 10% payable to city clerk required. W. B. Hogan, city engineer.

LOS ANGELES, Cal.—County Supervisors declare intention to improve Hawthorne Ave. between L. A. and Redondo Road and Dominguez St. and Dominguez St between Hawthorne Ave. extending N and Hawthorne Ave. extending S in R. D. I. No. 218; 6118 lin. ft. Work will involve 9197 cu. yds. excava.; 13,838 sq. yds. shaping roadbed, 13,838 sq. yds. placing disintegrated granite paving. County furnishes 1612 tons granite. Estimated contract price, $18,727.70.

BENICIA, Solano Co., Cal.—Trustees contemplate calling election to bond for $80,000 to fill in streets and construct storm drains in proposed reclamation district north of S. P. railroad. E. A. Steiger, city engineer.

SACRAMENTO, Cal.—Until April 22, 8 P. M., bids will be received by Mrs. Stella Lewald, Clerk, Rio Linda School District, Box 1203, Motor A, Sacramento, to construct concrete tennis court. Specifications may be had from clerk.

PORTERVILLE, Cal.—Until 8 P. M., Apr. 17, bids will be received by trustees for constructing cement walks on S Main St, between Olive and Date Sts; 1915 Bond Imp. Act. Specifications on file at office of City Engineer Fred W. Pease.

FORTUNA, Humboldt Co., Cal.—Mercer-Fraser Co., Eureka, at approximately $16,750, awarded contract by trustees to pave Main St.

SANTA ANA, Cal.—Proposal to install an addition fall sewer system to be constructed jointly by Santa Ana and Anaheim was voted at the election held April 4th. Anaheim's proportion was $240,000 and Santa Ana's $321,000. The combined cost of the treating plant and outfall line to the ocean will be $252,000. For construction of sewer mains Anaheim voted $160,000 and Santa Ana $149,000.

CHICO, Butte Co., Cal.—Chamber of Commerce urges paving of triangle at junction of Broadway and Main streets. F. S. Robinson, city engineer.

GLENDALE, Cal.—Peter L. Ferry of Glendale, awarded contracts for improving 473 ft. of Belmont St., from Lomita south, and 47,800 sq. ft. resurfacing on Lexington Drive between Pacific and Chestnut, including oiling and surfacing, curb, walks and laying water pipe.

Cornwell & Henderson, Glendale, awarded contract for improving 1090 ft. Justin Ave. between Glenwood and Eighth Sts., including oiling and surfacing, curb, walks and laying water pipe.

SAN LUIS OBISPO, Cal.—Intention declared by Supervisors for road work as follows: R. D. I. No. 6, Oceano, including curbs and surfacing on 8th and 9th Sts. between Front St. and city limits and on Paso Robles St. between Front and 8th Sts.; R. D. I. No. 7, Pismo, including walks and curbs on Hines St. between Cypress St. and County road.

SANTA BARBARA, Cal.—Supervisors have named a viewing board to consider extension of proposed Foothill Blvd from Fairview Ave. west, opening Goleta valley. Owen H. O'Neill, county surveyor.

CALIFORNIA—Following bids received April 10, by State Highway Commission, for grading 11.0 miles of highway in Monterey county between San Lucas and 2¾ miles east of Long Valley school:

Standard Industrial Eng. Cptn., S. F.	$138,830.50
Sherer & Crowley, L. A.	169,577.00
Redmond Page Co., S. F.	146,784.25
Bates & Borland, Oakland	165,005.75
L. Franklin, Stockton	160,682.50
Blumenkanz & Vernon, Stockton	156,022.25
Englehart Paving & Constr. Co. & Thos. Englehart, Eureka	146,821.20
Warren Constr. Co., Oakland	166,159.00
I. L. Conner, L. A.	192,727.75
Isbell Constr. Co., Fresno	194,988.23
Bates & Rogers, Constr. Co., Los Banos	169,177.00
Engineer's estimated	130,145.75

OAKLAND, Cal.—W. W. Harmon completes specifications to construct 8-in. vitrified sewer in portions of Broadway, 2 brick manholes, vitrified lampholes, wye branches, etc. Improvement Act 1911. Protests April 27.

LONG BEACH, Cal.—Willis & Collins Exchange National Bank Bldg., Long Beach, awarded contract at approximately $70,000 for constructing curbs and 4 ft walks in Silverado Tracts, comprising 24 blocks, each 630x270 ft., for Deeble and Myers Realty Co. Grading and oiling will start at once.

RED BLUFF, Tehama Co., Cal.—Supervisors contemplate change in charter to make office of county surveyor appointive instead of elective official. Under change the supervisors would appoint road engineer having charge of all road and bridge work and would also act as county surveyor.

TRACY, San Joaquin Co., Cal.—City Trustees approve specifications to pave 4th and 6th Sts. with 5 in. concrete base and 1½-in bituminous top. Estimated cost, $58,650. W. D. Harrington, city engineer.

SAN DIEGO, Cal.—Riley & Peterson, 2245 National Ave., San Diego, low bidders for constructing concrete roads at San Diego Naval Training Station, for Bureau of Yards and Docks, at: (item 1), $53,000; (2) $41,800. Other bids were: Wright & Doran, (1) $60,000; (2) $47,000; deWaard & Cobham, (1) $69,000, (2) $53,000. Work will involve 128,700 sq. ft. 7-in. concrete, 10,250 lin. ft. integral curb, 6x8x18 inch concrete, approximately 15,300 sq. ft. 4-in. walk.

OAKLAND, Cal.—City Commissioner W. H. Edwards, urges construction of main outlet sewer in Seventh street; estimated cost, $150,000.

EL CERRITO, Contra Costa Co., Cal.—Hutchinson Co. 1706 Broadway, Oakland, $79,190, awarded contract by trustees to pave with water bound macadam portions of Richmond, Everett, Eureka, Elm and Norvall Sts. W. S. Farley, Monadnock Bldg., San Francisco, engineer.

YREKA, Siskiyou Co., Cal.—Supervisors reject bids to construct Hessig to Oregon Line road (285). Antone King bid $6800; H. E. and H. A. Spannaus, $8000; V. T. Dorris, $4 a day and plus 15% cost of construction. H. J. Sarter, county surveyor.

CALIFORNIA—Following are approximate quantities of materials involved in the paving of 3.6 miles of highway in San Luis Obispo county between San Luis Obispo creek and Cuesta, bids for which will be opened by State Highway Commission, April 24: 30,000 cu. yds. excavation without classification; 8,230 cu. yds. class A Portland cement concrete (pavement and curbs); 5 cu. yds. class A Portland cement concrete (culverts); 76 lin. ft. 30-in. and 60 lin. ft. 36-in. corrugated metal pipe. Commission will furnish reinforcing steel, corrugated metal pipe, cement and sand and coarse aggregate for concrete.

WATSONVILLE, Santa Cruz Co., Cal.—Council declares intention to improve California St. between Sudden and Lincoln; grading, concrete curbs and gutters; macadamizing and oiling. H. B. Kitchen, city engineer.

SONORA, Tuolumne Co., Cal.—County Surveyor Robert Thom, preparing specifications for new road from Downey Scofield ranch to Mariposa county line, approximately 1 mile in length.

SAN ANSELMO, Marin Co., Cal.—Until April 17, 8 P. M., bids will be received by Arthur W. Studley, town clerk, to improve Barber, Entrata, Prospect, Alta Ave., etc., by grading, curbing, constructing 6, 8, 10 and 12-in. ironstone pipe culverts; 8, 10, 12 and 15-in. corrugated galvanized pipe culverts; corrugated arch culverts, etc.

BERKELEY, Alameda Co., Cal.—Until April 21, 10 A. M., bids will be received by E. M. Hann, city clerk, to construct reinforced concrete culvert, 4x5 ft., across Neilson St. at a point 126 ft. south of San Lorenzo Ave.; 2 concrete catchbasins and a 10-in. vitrified sewer from NE cor. of San Lorenzo Ave. and Neilson St. south to new culvert. Imp. Act 1911. C. L. Huggins, city engineer.

OAKLAND, Cal.—Leafy, Moore and McNair, 2030 High St., Oakland, at $117,655 awarded contract by supervisors to improve Hayward-Mt. Eden road. Other bidders: Standard Industrial Eng. Corp., $122,950; Bates & Borland, $125,900; P. L. Burr, $134,125; Hutchinson Co., $133,805; Hugh Crummey, $132,040; Lopes & King, $132,600; Oakland Paving Co., $126,400; Kaiser Paving Co., $140,837; Grant Smith Co., $147,800; E. E. Crow, $155,625. Geo. Posey, county surveyor.

OAKLAND, Cal.—Until April 27, 12 M., bids will be received by Eugene K. Sturgis, city clerk, to improve portions of 76th Ave.; grading, concrete curbs and gutters and paving with oil macadam. W. W. Harmon, city engineer.

SUSANVILLE, Lassen Co., Cal.—Voters ratify creation of Susanville Sanitary District which provides for sewage disposal of the townsite and its additions. Election was made necessary by Court action invalidating the previous election creating a similar district. Trustees of district are: Frank Geiger, Nelson G. Mathews, James A. Pardee, B. F. Lyle and Bert Bristol.

SACRAMENTO, Cal.—Until May 8, 2 P. M., bids will be received by State Highway Commission, Forum Bldg., for surfacing with asphaltic concrete, 8.9 miles in Solano county between Fairfield and Vacaville. Austin B. Fletcher, state highway engineer.

OROVILLE, Butte Co., Cal.—Following bids received by supervisors for highway construction:

Sacramento Ave., Rt. 13, Sec. A, asphaltic concrete pavement: J. A. Costello, Jr., (a) 1½-in. base, $21,403.42; (b) 2-in. base, $34,364.92;Chico Contracting Co., Chico, (a) $27,657.93; (b) $32,,952.42. Awarded last named bidder.

Durham-Oroville Road, Rt. 21, Sec. B, asphaltic concrete pavement: S. S. Schell, (a) 1½-in. base, $31,191.16; (b) 2-in. base, $33,347.30. Chico Contracting Co., (a) $23,200.46; (b) $27,673.53. A. Teichert & Son, (a) $33,682.67; (b) $36,666.29. J. A. Costello, Jr., (a) $26,-804.04; (b) $28,960.18. Awarded to Chico Contracting Co., Chico.

Dayton—Durham Road, Rt. 12, Sec. A, asphaltic concrete pavement: (a) 1½-in. base, (b) 2-in. base: J. A. Costello, Jr., (a) $35,675.45; (b) $39,-420.80. A. Teichert & Son, (a) $52,-078.62; (b) $56,399.04. Chico Contracting Co., (a) $33,447.18, (b) $40,355.42; S. S. Schell, (a) $46,843.59; (b) $50,-876.47. Awarded to Chico Contracting Co.

Oroville-Marysville Road, Rt. 26, Sec. B, asphaltic concrete pavement; (a) 1½-in. base; (b) 2-in. base: Chico Contracting Co., (a) $43,734.96; (b) $50,004.30. J. A. Costello, Jr., (a) $52,-797.30; (b) $56,875.00. Awarded to Chico Contracting Co.

Oroville-Marysville Road, Rt. 26, Sec. C, asphaltic concrete macadam pavement; only bid submitted was that of Blumenkranz & Vernon, Stockton, at $32,111. It was rejected.

Oroville-Chico Road, Rt. 20, Sec. A, asphaltic macadam pavement: M. C. Polk, Chico, $24,106.11; Blumenkranz & Vernon, $28,680.90. Bids rejected and work ordered done by day labor.

Larkin Road, Rt. 1, Sec. A, asphaltic macadam pavement: T. H. and M. C. Polk, Chico, $34,598.62; Blumenkranz & Vernon, $46,630. Awarded to M. C. and T. H. Polk.

Oroville-Bangor Road, Rt. 25, Sec. A, asphaltic macadam pavement: J. A. Huntington, M. C. and T. H. Polk, Chico, $39,749.93; M. F. Sullivan, Sacramento, $51,183.16. Bids rejected and work ordered done by day labor.

Gridley-Colusa Road, 5 miles grading—awarded to Anderson & Fischer, Sacramento, at $9,052. Harry H. Hume, county road engineer.

MODESTO, Stanislaus Co., Cal.—Until May 9, bids will be received by C. C. Eastin, county clerk, to pave 2 miles of Dry Creek road east from Modesto city limits—bids are wanted for three types of paving—cement concrete, asphaltic concrete and asphaltic macadam. J. H. Hoskins, county surveyor.

BAKERSFIELD, Kern Co., Cal.—Council declares intention to improve Jackson St. between Baker and King Sts., by grading, paving with 1½-in. Warrenite bitulithic surface on 3½-in. asphaltic concrete base; constructing concrete curb and gutter, and corrugated iron culvert coverings, in Street District No. 443; 1911 Act. W. D. Clarke city engineer.

FRESNO, Fresno Co., Cal.—On recommendation of Chris. P. Jensen, county surveyor, Harry C. Leyden, has been appointed superintendent of highway construction and maintenance; effective July 1st at a salary of $3600 a year.

SANTA MONICA, Cal.—Kneen Paving Co., Dudley Bldg., Santa Monica, submits low bid to city trustees to improve Belmar Place between Pico Blvd. and W boundary of Jepson Tr. The unit prices were 4.5c sq. ft. grading, 21.5c sq. ft. paving with 1½-in. asphalt on 3½-in. asphaltic concrete base, 55.5c lin. ft. curb, 21.5c sq. ft. walk, $526 sewer complete, $1.35 lin. ft. sewer connections.

SAN LUIS OBISPO, Cal.—Until May 2, bids will be received by supervisors for constructing Sec. C-2, Road 3, San Luis Obispo-Cambria road, involving 30,000 cu. yds. excavation. Warren Burch, county surveyor.

BAKERSFIELD, Kern Co., Cal.—C. D. Brown, Bakersfield, at $2073, awarded contract by council to construct sewers in Street District No. 441. W. D. Clarke, city engineer.

ASTORIA, Ore.—Until April 26, 1.30 P. M., bids will be received by Clatsop County Commissioners, for grading, paving and draining Sec. 2 of Clatsop county market road, involving 150 cu yds. common excavation; 20,004 cu. yds. fine grading; 20,504 sq. yds. concrete pavement; 6560 lin. ft. expansion joint material; 24,068 lin. ft. earth shoulders; 7840 lin. ft. side ditches; 78 lin. ft. 12-in. vitrified culvert pipe. Culvert pipe will be furnished by county. J. C. Clinton, county clerk.

RENO, Nevada—Ingvart Christensen, Reno, at $10,307, awarded contract by council to construct 26,251 sq. ft. hydraulic cement concrete sidewalks; 657 lin. ft. hydraulic cement concrete combination curb and gutter; 9201 lin. ft. hydraulic cement concrete curb. Other bidders: Kraft and Bundy, Odgen, Utah, $11,827; Fred J. Cafferata, Reno, $10,605. Harry Chism, city engineer.

SANTA BARBARA, Cal.—A. A. Lemmon, Santa Barbara, awarded contract at $10,400, for constructing vitrified pipe sewer in Hollister Ave., and other streets. San Hunter bid $10,576.70.

SAN DIEGO, Cal.—Warren Construction Co., Rialto Bldg., San Francisco, awarded contract at $113,144.63, for paving Lytton St., Chatsworth Blvd., Catalina Blvd., Voltaire St. and Roserans St. with excav. 14,002 cu. yds. embankment. Warrenite-bitul. surface on asphaltic concrete base. Fairchild-Gilmore-Wilton Co., L. A. Railway Bldg., Los Angeles, awarded contract at $16,271.09 for paving 3rd St. between University and Walnut Sts. Fairchild-Gilmore-Wilton Co., awarded contract at $25,092.42, for paving 8th St. between B St. and Balboa Park, and A St. between 7th and 8th Sts., with 1½-in. asphalt on 4-in. concrete base.

GLENDALE, Cal.—Until 7 P. M., Apr. 20, bids will be received by City Clerk A. J. Van Wie for laying water pipe as follows:

San Fernando Road between Vine and Pacific Ave., involving about 1100 ft. 4-in. and 600 ft. 6-in. cast iron pipe, pipe to be furnished by the city; 4-ft. trench, macadam paving to be replaced after backfilling.

Brand Blvd. and Cerritos Ave., involving 5000 ft. 8-in., 300 ft. 6-in. and 250 ft. 4-in. cast iron pipe, pipe furnished by city; 4-ft trench, concrete pavement to be cut and replaced on Brand Blvd.

Tenth St. between Thompson and Allen Aves., about 1200 ft. Matheson Joint pipe, pipe to be furnished by city; about 4-ft. trenching in packway.

The city intends to have this work done by contract under the Imp. Act of 1911.

ALHAMBRA, Cal.—City Commission declares intention to extend 4-in. cast iron water mains on Howard St. between 5th St. and Wilson Ave., on Raymond Ave. between Cedar and Vine Sts., and on Lemon St. between Palm and Date Aves., on Loma Vista Drive and Las Flores St. between El Paso and W line of Tr. 3908, on Los Higos St. between Garfield and Obispo Aves.

REDWOOD CITY, San Mateo Co., Cal.—Until April 24, 8 P. M., bids will be received by W. A. Price, city clerk, to construct wooden fence along El Camino Real from Redwood Ave., westerly 64 ft. Spec. may be had from clerk.

NAPA, Napa Co., Cal.—Until May 9, 10 A. M., bids will be received by Jas. A. Daly, county clerk, to furnish 1000 bbls. Portland cement; 700 bbls. to be delivered at St. Helene and 300 bbls. at Napa. O. H. Buckman, county surveyor.

STOCKTON, San Joaquin Co., Cal.—Until April 25, 10.30 A. M., bids will be received by A. L. Banks, city clerk, to improve portions of north ½ of North St., by paving with 2½-in. cementing gravel with 3-in. asphaltic concrete base and 1½-in. asphaltic concrete wearing surface and south ½ of North St., between Madison and Monroe; grading, combination concrete curbs and gutters, sidewalks and paving with 2½-in. cementing gravel, 3-in. asphaltic concrete base with 1½-in. asphaltic wearing surface. Imp. Act 1911. W. B. Hogan, city engineer.

SANTA MONICA, Cal.—Keen Paving Co., Dudley Block, Santa Monica, awarded contract by city trustees for improving Belmar Place between Pico Blvd. and Pennsylvania Ave., and between Ocean Front and 3rd St. The unit prices were: 4.5c sq. ft. grading, 21.5c sq. ft. paving with 1½-in. asphalt on 3½-in. asphaltic concrete base, 55.5c lin. ft. curb, 21.5c sq. ft. walk, $526 sewer complete, $1.35 lin. ft. sewer connections. Waren Constr. Co. bid 6c grading, 25c paving, 60c curb, 24c walk. $580 sewer, $1.60 sewer connections.

FRESNO, Fresno Co., Cal.—Until May 5, bids will be received by D. M. Barnwell, county clerk, to pave five mile stretch of Shaw Ave., a part of county highway system, running from Madera avenue. Chris. P. Jensen, county road engineer.

STOCKTON, San Joaquin Co., Cal.—Council, A. L. Banks, declares intention to improve Yosemite St. between Church and Washington Sts.; grading, combination concrete curbs and gutters, and sidewalks, and paving with 4-in. asphaltic concrete with 2-in. asphaltic concrete wearing surface. Imp Act 1911 and Bond Act 1915. Protests May 2. W. B. Hogan, city engineer.

CALIFORNIA—Le Moor Contracting Co., El Paso, Texas, at $177,880, awarded contract by State Highway Commission to pave with reinforced concrete 12.3 miles of highway in Riverside county, between Banning and Whitewater.

CALIFORNIA—Following are approximate quantities of materials involved in projects for which State Highway Commission will open bids May 1:

Lake County between west boundary and Upper Lake, 9.0 miles, grading: 142,000 cu. yds. excavation without classification; 16,000 cu. yds. gravel surface; 350 cu. yds. class A Portland cenment concrete (culverts and monuments); 426 lin. ft. 12-in., 1484 lin. ft. 15-in., 926 lin. ft. 18-in., 90 lin. ft. 24-in. and 244 lin. ft. 30-in. corrugated metal pipe; 6.0 miles moving and resetting property fences; 295 monuments. Commission will furnish reinforcing steel, corrugated metal pipe and cement.

San Benito county between San Juan and Pajaro river, 4.6 miles to be paved with Portland cement concrete: 2100 cu yds. excavation without classification; 8900 cu yds. class A Portland cement concrete (pavement, shoulders and repairs to old base); 1450 cu. yds. removal of broken concrete in existing base. Commission will furnish reinforcing steel, cement and sand and coarse aggregate for concrete. Austin B. Fletcher, state highway engineer.

NEWPORT BEACH, Cal.—Shepard & Weber, 2731 6th St., Santa Monica, were awarded contract at $27,963.90, for constructing cast iron pipe force main approximately 9720 ft. long for city water department. Paul E. Kressly, engineer.

GLENDALE, Cal.—Until 7 P. M., Apr. 20, bids will be received by city clerk A. J. Van Wie for street improvements as follows:

Elk Ave. between Pacific Ave. and San Fernando Road, involving 1241 lin. ft. concrete curb, 5960 sq. ft. walk; 41,928 sq. ft. oiling and surfacing; 1385 lin. ft. grading.

Western Ave. between San Fernando Road and Tenth St., involving 4327 lin. ft. grading; 5755 lin. ft. curb; 1300 sq.ft. 5-in. gutter; 16,385 sq. ft. oiling and surfacing; 3333 lin. ft. 4-in. cast iron water pipe; 1160 lin. ft. Matheson joint pipe.

Plans and specifications on file at office of City Engineer C. L. Hill.

PASADENA, Cal.—Until 11.30 A. M., April 18, bids will be received by City Clerk Bessie Chamberlain for excavating and grading of reservoir work and driving outlet tunnel in San Rafael district, involving 6000 cu. yds. open excavation. Flow length of tunnel and approaches is 41 ft., and roof length is 22 ft. Plans and specifications may be obtained at office of Chief Engineer S. B. Morris of Water Dept., 25 E Union St. upon deposit of $5. Certified check for 10% required. Estimaed cost of reservoir complete, $13,000.

CARSON CITY, Nevada—Until May 3, 1.30 P. M., bids will be received by State Highway Commission for grading, constructing culverts and placing gravel surface for state highway between 5 miles west of Valmy and East County line in Humboldt county. **See call for bids under official proposal section in this issue.**

SANTA ROSA, Sonoma Co., Cal.—County Surveyor R. Press Smith, instructed to prepare specifications and estimates of cost to construct 4-mile unit of Freestone-Valley Ford highway and 19.5 miles of Valley Ford Freestone to Guerneville-Jenner highway.

ELKO, Nevada—Two forest roads costing approximately $200,000 will probably be constructed in Elko county this year, according to word received from C. E. Favre, supervisor of the Humboldt forest. The proposed roads are the Gold Creek-Jarbridge road and North Fork-Owyhee project in the north section of the county.

SAN FRANCISCO—Fay Improvement Co., Phelan Bldg., at $96,131, submits low bid to Board of Public Works to construct 15,980 lin. ft. concrete curb and 300,510 sq. ft. asphaltic concrete pavement in Mission Terrace. Raisch Improvement Co. bid $96,972; Pacific States Constr. Co., $96,722; Eaton & Smith, $100,226.

City Construction Co., Call Bldg., at $2429, only bidder to improve crossing of Munich and Persia avenues.

CALIFORNIA — Following are approximate quantities of materials for project for which bids will be opened by State Highway Commission, April 17:

Sonoma County between Santa Rosa and Belante, 11.7 miles, to be paved with bituminized macadam: 39,000 cu. yds. excavation without classification; 38,550 tons broken stone (bituminized macadam); 630 tons oil asphalt Grade E spread (bituminized macadam); 435 cu. yds. class A Portland cement concrete (culverts and monuments); 328 lin. ft. 12-in., 402 lin. ft. 15-in., 360 lin ft 18-in and 60 lin. ft. 24-in. corrugated metal pipe; 144 monuments. Commission will furnish reinforcing steel, corrugated metal pipe, cement and asphalt Grade E

SANTA MONICA, Cal.—Kneen Paving Co., Dudley Block, Santa Monica, submitted the low bid to city commission for improving Fifth St. between Colorado and Montana Aves., eight blocks, 80 ft. wide, at the following unit prices: 2.8c sq. ft. grading, 19c sq. ft. 1½-in. Warrenite bitulithic on 2½-in. asphaltic concrete base, 70c lin. ft. curb, 22c sq. ft. walk. Bids referred to City Engineer John Morton.

LOS ANGELES, Cal.—Council declares intention to construct cement pipe sewer 6 to 18-in. in diameter in El Serano and Alhambra Aves. and Huntington Drive, and in portions of Novogorod, Carnegie, Edison, Academy Sts., Rosemead, Pueblo, Randolph, Castalia, Minto Aves. and other streets; Vrooman Act.

LOS ANGELES, Cal.—Until 10 A. M., Apr. 24, bids will be received by Board of Public Works, for street improvements, as follows:

22nd St. between Leland St. and Parton Ave., involving 34,092 sq. ft. grading and oiling; 2503 lin. ft. curb; 5246 lin. ft gutter; 12,805 sq. ft. walk; Vrooman Act.

A portion of Harvard Blvd. near Romaine St., involving 8200 sq. ft. grading and oiling; 374 lin. ft. curb; 1855 sq. ft. walk; 1581 lin. ft. gutter; 40 ft. house connection sewers; Vrooman Act.

Midland St. between Aves. 41 and 38, involving 28,983 sq. ft. grading and oiling; 1499 lin. ft. curb; 4795 sq. ft. walk; 1238 lin. ft. gutter; Vrooman Act.

Crittenden St. between Effie St. and Berkeley Ave., by grading and oiling; curbing and walks; and laying 40 ft. main sanitary sewer; Vrooman Act.

SAN RAFAEL, Marin Co., Cal.—Supervisors reject bids to improve Red Hill Road in District 5, and new bids will be received April 24, 10 A. M. Bidders were: Mrs. E. E. O'Brien, $30,000; Rocca & Caletti, $40,100; C. Miles, $34,000; S. P. Brownlee, $27,200; Palmer & McBryde, $29,900; E. H. Martin, $29,000.

NEWPORT BEACH, Cal.—Until 7.30 P. M., April 24, bids will be received by city clerk for constructing board walk on wooden pile bents 12 ft. wide and 4420 ft. long on Ocean Ave. between 9th and 19th Sts.; 1911 Act and 1915 Bond Act. Plans and specifications may be obtained from Paul E. Kressly, 732 H. W. Hellman Bldg., Los Angeles, consulting engineer. Certified check or bond 10% required.

FRESNO, Fresno Co., Cal.—Frederickson & Shannon, Cory Bldg., at $30,585, submits low bid to council to improve Wilson Ave. between Belmont and Olive; 118,128 sq. ft. grading; 89,501 sq. ft. paving; 4125 lin. ft. curb; 13,944 sq. ft. walks; 110 lin. ft. 12-in. and 340 lin. ft. 18-in. reinforced concrete box culverts; 10 lin. ft. corrugated metal culvert and 10 manholes. Other bidders: Kaufield & Tompkins, $32,107; Federal Construction Co., $33,014; Paul Bourzac, Fresno, $39,930. Bids taken under advisement until April 20. Wm. Stranahan, city engineer.

SAN JOSE, Santa Clara Co., Cal.—Council, John J. Lynch, city clerk, declares intention to improve 2nd St. between Western Division R. R. right-of-way of S. P., and Hensley Ave.; paving with 3½-in. asphaltic concrete base with 1½-in. asphaltic concrete surface.

Intention declared to improve 12th St. between Reed and Bestor, and between Bestor and Keyes by grading, paving with 3-in. asphaltic concrete base with 1½-in. Warrenite-Bitulithic surface, concrete curbs, gutters and walks. Wm. Popp, city engineer.

SAN FRANCISCO—Until April 26, 8 P. M., bids will be received by Board of Public Works, to improve 40th Ave. between Balboa and Cabrillo, involving 1200 lin. ft. concrete curbs; 4200 sq. ft. vertical fiber brick pavement and 19,800 sq. ft. asphaltic concrete pavement. M. M. O'Shaughnessy, city engineer.

LODI, San Joaquin Co., Cal.—Clark and Henery Construction Co., 38 S Sutter St., Stockton, awarded contract by council to improve portions of Central and Daisy avenues and Hilborn Sts.; grading, hydraulic concrete curbs and gutters; paving with 2½-in. asphaltic concrete base with 1½-in. Warrenite surface. L. F. Barzellotti, city engineer.

MONTEREY, Monterey Co., Cal.—Grant Smith Co., Balboa Bldg., San Francisco, submits low bid to council to improve Franklin St. between Alvarado and High St. by grading, paving with 4-in. cement concrete and 2-in. bituminous concrete surface; and between High and Cedar Sts., by grading and paving with 5-in. cement concrete, concrete curbs and sidewalks; catchbasins; reconstructing manholes, etc. Sidney Ruthven, Monterey, bid $78,166. Estimate of H. D. Severance, city engineer, $65,000. Bids taken under advisement until April 18.

CALIFORNIA — Standard Industrial Engineering Corp., 550 Montgomery St., San Francisco, at $138,830, awarded contract to construct San Lucas-Long Valley unit of state highway system, in Monterey county; approximately 11 miles long.

OROVILLE, Butte Co., Cal.—Until May 3, 2 P. M., bids will be received by C. F. Belding, county clerk, to construct Route 10, Sections A and B of Nelson and Biavo road. Harry H. Hume county surveyor.

SAN JOSE, Santa Clara Co., Cal.—Until May 1, 8 P. M., bids will be received by John J. Lynch, city clerk, to improve Coe Ave. between Delmas and Bird Ave., paving with 3½-in. asphaltic concrete base with 1½-in. asphaltic concrete wearing surface; concrete curbs and gutters.

Separate bids, same date, to improve 17th St. between Empire and Rosa; grading, paving with 3½-in. asphaltic concrete base with 1½-in. Warrenite-Bitulithic wearing surface, asphaltic concrete headers, concrete curbs and gutters; 8 brick catchbasins. Imp. Bond Act 1915. Wm. Popp, city engineer.

DAILY
PACIFIC BUILDER

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560 MISSION STREET SAN FRANCISCO, CAL.

Contracts Awarded Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

$1,000 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
1430	Brown	Owner	10000
1431	Pfaeffle	Barth	9950
1432	Getz	Owner	4000
1433	Both	Jones	7500
1439	Lagomarsino	Owner	7500
1441	Smythe	Nelson	5250
1442	Hart	Nelson	7250
1443	Cross	Nelson	5250
1444	Phillips	Gillogley	6300
1445	Maynard	Nelson	5750
1446	Muller	Owner	3000
1447	Stiefel	Owner	12000
1448	Osborne	Owner	3000
1449	Hall	Owner	4000
1450	Wright	Owner	8000
1452	Aragni	Olson	20000
1453	Meeve	Mohler	1400
1454	McSweeney	Mooney	7500
1456	Bothin	Cahill	30000
1457	Gunn	Monson	21735
1458	Same	Forster	2252
1459	Levy	Davison	2064
1460	Same	Elvin	11396
1461	2000 Wshn St.	Knowles	38308
1462	Same	Otis	8200
1463	Nasser	Faggioni	6975
1464	Riech	Warden	19676
1465	Schroder	Tarbitt	11600
1466	Raynor	Barker	10050
1467	Piombo	Montani	10800
1468	Burnett	Owner	40000
1470	Dickerson	Owner	1000
1471	Goulk	Leigh	6000
1472	Irwin	Swenson	1450
1473	Campbell	Owner	3000
1474	Robinson	Owner	2500
1475	Heilmann	Owner	3000
1478	Rippy	Mitchell	4000
1479	Crocker	Samuelson	3900
1480	Same	Same	3700
1481	Same	Same	3400
1482	Same	Same	3200
1483	McIntosh	Becker	9000
1484	Fratessa	Fratessa	4850
1485	Same	Same	4300
1487	Hotop	Lindberg	2390
1488	Peterson	Owner	2500
1489	Weichhart	Prout	9875
1490	Tyler	Tyler	58000
1491	Lorenz	Lorenz	4000
1492	Banchero	Farnecchia	10275
1493	Morgan	Herrick	12411
1494	Moldenhauer	Meinberger	4896
1495	Hasiett	Owner	1500
1496	Magnolia	Moller	10000
1498	Edelmann	Ellingson	4000
1500	Rousseau	Owner	110000
1503	Donaldson	Taylor	14000
1504	Hansen	Owner	4000
1505	Young	Owner	3000
1506	Wright	Owner	2000
1507	Martin	Am. Conc.	2500
1508	Gorman	Bjorkman	4000
1509	McCain	Hansen	4000
1510	Settler	Settler	1400
1511	Nelson	E K Bldg.	60000
1512	Lindar	Owner	10000
1513	Bondeli	Lindberg	6615
1514	Ellis	Ostlund	1500
1516	Loring	Owner	2000
1517	Haley	Owner	14000
1519	De Recat	Thulin	1000
1521	Hicks	Forbes	6169
1522	Greninger	Casty	11385
1523	Mahan	Smith	2650
1524	Mahan	Smith	2650
1525	Strand	Strand	12000
1527	Millzner	Crothers	1900
1530	Backman	Owner	2000
1532	Levinson	Pearson	2000
1533	Provident	Owner	35000
1534	Gleeson	Owner	3000
1535	Sayre	Owner	2000
1537	Baer	Zinkand	10000
1538	Morris	Owner	1000
1539	McHugh	Hamill	12000
1540	McKewen	Hannah	4000
1541	Taaffe	Owner	1500
1542	Parkside	Owner	8000
1543	McCarthy	Arnott	2800
1544	Both	Jones	8660
1545	Taddeucci	Debenedetti	4650
1546	Faber	West Plumb	3075
1547	Same	Haverkamp	1750
1548	Same	Maundrell	1535
1549	Same	Watters	19313
1550	Johe	Johnson	13075
1551	Same	Kirsten	632
1552	Same	Calson	1210
1553	Same	May	1889

(1430) SW CHURCH AND TWENTY-sixth Sts. Two-story and basement frame (4) flats.
Owner—Ward C. Brown, 2945 Harrison St., San Francisco.
Architect—None.
Day's work. $10,000

FRAME FLATS
(1431) N FULTON 57-6 W Nineteenth Ave. Two-story and basement frame (2) flats.
Owner—H. G. Pfaeffle, 1811 Balboa St., San Francisco.
Architect—Hermann Barth, 938 Phelan Bldg., San Francisco.
Manager of Constr.—Herman Barth. 938 Phelan Bldg., S. F. $9950

FRAME DWELLING
(1432) E FORTIETH AVE 28-4 N Fulton. One-story and basement frame dwelling.
Owner—Sol Getz & Sons, 24th Ave. and Lincoln Way, San Francisco.
Architect—None.
Day's work. $4000

ALTERATIONS
(1433) SE HAMPSHIRE & TWENTY-fifth. Remodel factory for 4 3 and 4-room flats.
Owner—A. L. Both, 942 Capp St., S. F.
Architect—A. Merrill Bowser, Hearst Bldg., San Francisco.
Contractor—Thos. M. Jones, 3767 Army St., San Francisco. $7500

FRAME FLATS
(1439) N CLEMENT 25 E Twenty-second Ave. Two-story and basement frame (2) flats.
Owner — Elizabeth Lagomarsino, 5420 Geary St., San Francisco.
Architect—None.
Day's work. $7500

BUNGALOW
(1441) LOT 27 BLK 3177, Westwood Park. All work for one-story frame bungalow.
Owner—Leslie L. and Lela J. Smythe.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Hans Nelson, 1375 Plymouth Ave., San Francisco.
Filed April 7, '22. Dated Mar. 23, '22.
Enclosed $1122.45
Brown coated 1122.44
Completed and accepted..... 1122.44
Usual 35 days..... 1122.44
Balance, $760.23, secured by deed of trust .....
TOTAL COST, $5250.00
Bond, limit, forfeit, none. Plans and specifications, none.

RESIDENCE
(1442) LOT 18 BLK 3165 Westwood Park. All work for one-story frame residence.
Owner—Leo B. and Veda B. Hart, 139 23rd Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Apr. 7, '22. Dated Feb. 28, '22.
Enclosed $1812.50
Brown coated 1812.50
Completed and accepted..... 1812.50
Usual 35 days..... 1812.50
TOTAL COST, $7250.00
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BUNGALOW
(1443 LOT 28 BLK 3177, Westwood Park. All work for one-story and basement frame bungalow and garage.
Owner—Leo C. and Goldie E. Cross.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Hans Nelson, 1375 Plymouth Ave., San Francisco.
Filed Apr. 7, '22. Dated Mar. 23, '22.
Enclosed $1125
Brown coated 1125
Completed and accepted..... 1125
Usual 35 days..... 1125
Balance, $750, secured by deed of trust .....
TOTAL COST, $5250
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME BUILDING
(1444) E PROSPER 91-6 N 17th N 25x E 80. All work for two-story frame building.
Owner—Robert B. and Gertrude Phillips, 618 Girard St., San Francisco.
Architect—None.
Contractor—J. W. Gillogley, 745 San Jose Ave., San Francisco.
Filed Apr. 7, '22. Dated Apr. 7, '22.
Rough frame up..... $1180
Brown coated and front scratch coated 1180
White coated and outside completed 1180
Completed and accepted..... 1185
Usual 35 days..... 1575
TOTAL COST, $6300
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BUNGALOW
(1445) E PLYMOUTH AVE 100 S Greenwood being Lot 6 Blk 3162 Westwood Park. All work for one-story and basement bungalow.
Owner—Glenn W. and Jenny L. Maynard, 1490 6th Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor — Hans Nelson, 1375 Plymouth Ave., San Francisco.
Filed Apr. 7, '22. Dated Mar. 11, '22.
Enclosed $1437.50
Brown coated 1437.50
Completed and accepted..... 1437.50
Usual 35 days..... 1437.50
TOTAL COST, $5750.00
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(1446) NO. 2337-39-41 BUSH ST. Alter flats into 4 3-room apartments.
Owner—Meyer Muller, 2337 Bush St., San Francisco.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.
Day's work $3000

FRAME FLATS
(1447) NE CALIFORNIA & TWENTY-third Ave. Two-story and basement frame (4) flats.
Owner—John V. Stiefel, 184 23rd Ave., San Francisco.
Architect—None.
Day's work. $12,000

ALTERATIONS
(1448) NE CLAY AND LYON STS. Remodel flats into six apartments.
Owner—Ely Osborne, 821 Balboa Bldg., San Francisco.
Plans by Owner.
Day's work. $3000

ALTERATIONS
(1449 SW CLEMENT & THIRTIETH Ave. General alterations for flats and store.
Owner—W. L. Hall, 2905 Clement St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Day's work. $4000

FRAME DWELLINGS
(1450) SE LONDON 150, 175, 200, 225 S Italy. Four one-story and basement frame dwellings.
Owner—J. W. Wright Co., 228 Montgomery St., San Francisco.
Architect—None.
Day's work. $2000 each

APARTMENTS
(1452) E SIXTEENTH 110 S Guerrero Three-story and basement frame store and (6) apartments.
Owner—Aragni, Pelfini & Monti, 1109 Fillmore St., San Francisco.
Architect—None.
Contractor—C. Olson, 876 Hill St., San Francisco. $20,000

ADDITION
(1453) NO. 542 SEVENTH AVE. Erect partitions in flats and add one room
Owner—Henry Meeve, Premises.
Architect—None.
Contractor—T. E. Mohler, 593 21st Ave., San Francisco. $1400

RESIDENCE
(1454) S TWENTY-NINTH 55 E Noe. Two-story and basement frame residence.
Owner—D. McSweeney, 491 29th St., San Francisco.
Architect—None.
Contractor — E. Mooney, 12 Valencia St., San Francisco. $7500

MILL
(1456) SE HOWARD AND EIGHTH Two-story and part basement reinforced concrete knitting mills.
Owner—Bothin Real Estate Co., 26 Montgomery St., S. F.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Contractor—Cahill Bros., 110 Sutter St., San Francisco. $30,000

RESIDENCE
(1457) LOT 2 BLK 10, St Francis Wood. All work except heating, painting, finished hardware, electric fixtures and shades for two-story and basement frame residence
Owner—A. S. Gunn
Architect—J. R. Miller, Lick Bldg. San Francisco.
Contractor—Monsen Bros. 251 Kearny St., San Francisco.
Filed Apr 8, '22 Dated Apr 6, '22
On 15th of each month 75%
Usual 35 days 25%
TOTAL COST, $21,735
Bond $10,867 Sureties, E. V. Lacey and E. T. Osburn. Limit, 110 days. Forfeit, none. Plans and specifications filed

(1458) PLUMBING AND GAS FITTING on above
Contractor—William J. Forster Co., 870 Howard St., San Francisco
Filed Apr. 8, '22. Dated Apr. 5, '22.
Payments same as above.....
TOTAL COST, $2252
Bond, $1126. Sureties, W. M. Forster and Jos. M. Cleary. Limit, as fast as required. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(1459) W DIVISADERO 90-6 S O'Farrell S 23-6xW 103. Plumbing and gas fitting and sewer for alterations and additions to two-story frame building.
Owner—Nate Levy, % Architect.
Architect—Martin A. Sheldon, 110 Sutter St., San Francisco.
Contractor—Frank Davison, 779 Folsom St., San Francisco.
Filed Apr. 8, '22. Dated Apr. 8, '22.
Roughed in $1000
Completed and accepted..... 564
Usual 35 days..... 500
TOTAL COST, $2064
Bond $1032. Sureties, New Amsterdam Casualty Co. Limit, as fast as possible. Forfeit, none. Plans and specifications filed.

(1460) ALL WORK EXCEPT PLUMBing, electrical work, painting, magnesite floors, roofing, wall beds shades, lighting fixtures and radiators on above.
Contractor — Arthur Elvin, 180 Jessie St., San Francisco.
Filed Apr. 8, '22. Dated Apr. 8, '22.
Frame up $2849
Brown coated 2849
Completed and accepted..... 2849
Usual 35 days..... 2849
TOTAL COST, $11,396
Bond, $5698. Sureties, Thos. F. Mulcahy and A. H. Lieb. Limit, 120 days. Forfeit, none. Plans and specifications filed.

CLASS B BLDG
(1461) NW WASHINGTON & GOUGH W 68-9xN 129-8½. Lathing and plastering for seven-story, basement and attic Class B reinforced concrete building.
Owner—Two Thousand Washington St., Inc., % Architect.
Architect—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco
Contractor — A. Knowles Call Bldg., San Francisco.
Filed Apr. 8, '22. Dated Apr. 6, '22.
Ready for plastering.....$9327
Scratch and brown coats on.... 9327
All work except patching done 9327
Completed and accepted..... 750
Usual 35 days..... 9577
TOTAL COST, $38,308
Bond, $19,154 Sureties, Globe Indemnity Co. Limit, 65 days. Forfeit, none. Plans and specifications filed.

(1462) ELEVATOR WORK ON ABOVE
Contractor—Otis Elevator Co., Beach and Stockton Sts., San Francisco.
Filed Apr 8, '22. Dated Jan. 9, '22.
30 days after signing contract 20%
On shipment of engine..... 50%
Engine in position..... 15%
Elevator in running orded... 15%
TOTAL COST, $8200
Bond, none Limit 65 days after April 10, 1922. Forfeit, none. Plans and specifications filed

PAINTING.
(1463) E CASTRO 100 S Seventeenth S 99-9 E 80 S 75 3 E 68 N 175 E 148 Interior and exterior painting and decorating for building
Owner—Nasrer Bros.
Architect—Timothy L. Pflueger, Lick Bldg., San Francisco
Contractor—Faggioli Company Studios 77 O'Farrell St., San Francisco
Filed Apr. 8, '22 Dated Mar 21, '22
On 5th of each month..... 75
Usual 35 days..... 25
TOTAL COST, $697.
Bond, none Limit 45 days. Forfeit, none Plans and specifications filed

APARTMENTS
(1464) W TWENTY-FIRST AVE 170 S California S 30xW 120. All work for three-story frame apartment house.
Owner—Tillie Riech, 451 11th Ave., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Fred Warden, 68 Concord St., San Francisco.
Filed Apr. 8, '22. Dated Apr. 1, '22.
Roof sheathing on.....$4919
Brown coated 4919
Completed and accepted..... 4919
Usual 35 days..... 4919
TOTAL COST, $19,676
Bond, $9838. Sureties, Chas. Monson and Albin Warden. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BUILDING
(1465) NW DOLORES AND TWENTY-sixth 25x70. All work except hot water heaters and furnaces for a 2-story and basement frame building.
Owner—Jno. Schroeder, 403 Edinburgh St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Jas. Tarbitt, 386 Fair Oaks San Francisco.
Filed Apr. 8, '22. Dated Apr. 1, '22
Roof on and wall boards on....$2900
Brown coated 2900
Completed and accepted..... 2900
Usual 35 days..... 2900
TOTAL COST, $11,600
Bond, $5800. Sureties, Casimi Sanchez and Chas. Hansen. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FLAT BUILDING
(1466) W FOURTEENTH AVE. 180 S Geary S 25xW 105. All work for a 2-story and basement frame flat building.
Owner—L. Della Raynor, 483 14th Ave., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—J. E. Barker, 1219 Page St., San Francisco.
Filed Apr. 8, '22. Dated Apr. 1, '22
Roof sheating in place.....$2512
Brown coated 2512
Completed and accepted..... 2512
Usual 35 days..... 2512
TOTAL COST, $10,050
Bond, $5025. Surety, Republic Casualty Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

STORAGE BLDG.
(1467) W DIVISADERO 50 N Bush. Two-story frame coal storage building.
Owner—Plombo Bros., Premises.
Architect—L. Traverso, 854 Union St., San Francisco
Contractor—S. Montani, 1753 Greenwich St., San Francisco. $10,800

APARTMENTS
(1468) S CALIFORNIA 32 E Octavia Three-story and basement frame (9) apartments
Owner—G. W. Burnett, 141 Sutter St., San Francisco
Architect—C. H. Skidmore, New Call Bldg., San Francisco.
Day's work. $40,000

REPAIRS
(1470) NO 35 ELLIS. Minor repairs, for dwelling.
Owner — John Dickerson and Murry Beaver, Premises
Architect—None
Day's work $1000

DWELLING
(1471) N FULTON 32-6 E 18th Ave. Two-story and basement frame dwelling

Owner—C. W. Goulk, 786 18th Ave., San Francisco.
Architect—None.
Contractor—David Leigh, 840 44th Ave. San Francisco. $6000

REPAIRS
(1472) NO. 1363 FIFTEENTH AVE. Repair fire damage.
Owner—O. M. Irwin, Premises.
Architect—None.
Contractor — Swenson & Franzen, 115 Natoma St., San Francisco. $1450

DWELLINGS
(1473) N GEARY 87½ E Forty-sixth Ave. and N Geary 87½ 45th Ave. Two one-story and basement frame dwellings.
Owner—J. V. Campbell, 1040 Bryant St., San Francisco.
Architect—None.
Day's work. $4000 each

ALTERATIONS
(1474) GREAT HIGHWAY AND FULton. Remove partitions, plumbing; electric work; painting, etc., for dance pavilion.
Owner—O. Robinson and Harry F. Morrison, 159 Dolores St., S. F.
Architect—None.
Day's work. $2500

DWELLING
(1475) SE INGALLS AND HOLLISTER Two-story and basement frame store and dwelling.
Owner—Ludwig Heilmann, 139 Noe St., San Francisco.
Architect—None.
Day's work. $3000

SHO WROOM
(1478) W POTRERO AVE 135 N 24th Ave. One-story brick store and show room.
Owner—J. H. Rippy, 24th and Bryant Sts., San Francisco.
Architect—None.
Contractor—T. F. Mitchell & Son, 1370 Utah St., San Francisco. $4000

DWELLING
(1479) S ROLPH 235 E Newton. One-story and basement frame dwlg.
Owner—Crocker Estate Co., 525 Crocker Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 290 Rolph St., San Francisco. $3900

RESIDENCE
(1480) W NAPLES 150 N Geneva. 1-story and basement frame residence.
Owner—Crocker Estate Co., 525 Crocker Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 290 Rolph St., San Francisco. $3700

RESIDENCE
(1481) W NAPLES 200 N Geneva. One-story and basement frame residence.
Owner—Crocker Estate Co., 525 Crocker Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 290 Rolph St., San Francisco. $3400

RESIDENCE
(1482) W NAPLES 100 N Geneva. One-story and basement frame residence.
Owner—Crocker Estate Co., 525 Crocker Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 290 Rolph St., San Francisco. $3200

FRAME FLATS
(1483) S TWENTY-FIRST bet. Noe and Sanchez. Two-story and basement frame (2) flats.
Owner—G. L. McIntosh, 3721 21st St., San Francisco.
Designer—H. A. Becker, 3444 22nd St., San Francisco.
Contractor—H. A. Becker, 3444 22nd St., San Francisco. $9000

DWELLING
(1484) S UPPER TERRACE 75 W Clifford. Two-story and basement frame dwelling.
Owner—Paul F. Fratessa, 31 Cumberland St., San Francisco.
Architect—None.
Contractor—Joseph S. Fratessa, 896 Girard St., San Francisco $4850

DWELLING
(1485) S UPPER TERRACE 100 W Clifford. Two-story and basement frame dwelling.
Owner—Paul F. Fratessa, 31 Cumberland St., San Francisco.
Architect—None.
Contractor—Joseph S. Fratessa, 896 Girard St., San Francisco. $4300

ALTERATIONS
(1487) NO. 108 CONGO. Raise dwelling; alter for basement garage; concrete work, etc.
Owner—A. Hotop, 108 Congo St., S. F.
Architect—None.
Contractor—C. Lindberg, 257 Surrey St., San Francisco. $2390

DWELLING
(1488) N MORAGA 78 E Tenth Ave. One-story and basement frame dwelling.
Owner—Arvid Peterson, 265 Sanchez St., San Francisco.
Architect—None.
Day's work. Cost, $2500

RESIDENCE
(1489) N MAGELLAN — W Dorantes being Lot 8 Blk 8, Forest Hill. All work for two-story and basement frame residence.
Owner—Wm. E. Weichhart, 181 Beale St., San Francisco.
Architect — Walter C. Falch, Hearst Bldg., San Francisco.
Contractor—J. Prout, 2020 Turk St., San Francisco.
Filed Apr. 10, '22. Dated Apr. 5 '22.
Frame up & roof boards on.$2468.75
Brown coated 2468.75
Completed and accepted..... 2468.75
Usual 35 days..... 2468.75
TOTAL COST, $9875.00
Bond, $4937.50. Surety, Fidelity & Deposit Co. of Maryland. Limit, 90 days. Forfeit, $5. Plans and specifications filed.

FLATS, ETC.
(1490) NW SCOTT AND OAK — 137-6x137-6. All work for four two-flat buildings and one apartment.
Owner—Percy D. Tyler, 1438 Cabrillo St., San Francisco.
Architect—None.
Contractor—Percy D. Tyler, 1438 Cabrillo St., San Francisco.
Filed Apr. 10, '22. Dated Apr. 10, '22.
Roof on .....$——
Brown coated ..... ——
Finished ..... ——
Usual 35 days ..... ——
TOTAL COST, $58,500
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications, none.

COTTAGE
(1491) W TENTH AVE 250 N Lawton. All work for one-story and basement cottage.
Owner—L. A. Lorenz.
Architect—None.
Contractor—L. A. Lorenz.
Filed Apr. 10, '22. Dated Apr. 10, '22.
Frame up $1000
Rough plaster on..... 1000
Completed 1000
Usual 35 days..... 1000
TOTAL COST, $4000
Bond, none. Limit, 90 days. Forfeit none. Plans and specifications, none.

FRAME BLDG.
(1492) E POWELL 93-6 N Greenwich N 22xE 137-6. All work except lighting fixtures, shades, radiators, gas heaters, finish hardware, grading for two-story and basement frame building.
Owner—Luigi Banchero, 17 Toscany Alley, San Francisco.
Architect—L. Traverso, 854 Union St., San Francisco.
Contractor—J. Farnocchia, Premises.
Filed Apr. 10, 22. Dated Apr. 4, '22.
Rough frame up and roof on.$2568.75
Brown coated 2568.75
Completed and accepted..... 2568.75
Usual 35 days..... ..... 2568.75
TOTAL COST, 10,275.00
Bond, $5140. Sureties, G. Mosca and L. Lombard. Limit, none. Forfeit, none Plans and specifications filed.

OFFICE BLDG
(1493) SE SUTTER AND TAYLOR E 45-10xS 81-8. Structural steel and iron work and fabrication and erection of same for six-story office building.
Owner—J. S. Morgan & Sons, 425 Kearny St., San Francisco.
Architect—M. V. Politeo, 1st National Bank Bldg., San Francisco.
Contractor—S. S. Herrick Co., Foot of Adeline St., Oakland.
Filed Apr. 10, '22. Dated Apr. 6, '22.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $12,411
Bond, $6223.50 Surety, Hartford Accident & Indemnity Co. Limit, 115 days. Forfeit, $20. Plans and specifications filed.

DWELLING
(1494) N ARMY 75 W Florida. One-story and basement frame dwelling.
Owner — Walter Moldenhauer, 3012 Army St., San Francisco.
Architect—None.
Contractor — H. S. Meinberger, 5720 California St., San Francisco. $4896

ALTERATIONS
(1495) SW BATTERY AND FILBERT. Remove portion of brick wall and add one-story to warehouse.
Owner — Haslett Warehouse Co., 228 Pine St., San Francisco.
Engineer—H. J. Brunnier, 312 Sharon Bldg., San Francisco.
Day's work. $1500

FACTORY
(1496) NE BRYANT AND STERLING One-story reinforced concrete factory, 45x100 feet.
Owner—Magnolia Metal Co., Pacific Bldg., San Francisco.
Architect—Dodge A. Reidy, Pacific Bldg., San Francisco.
Contractor—Fred Moller, 180 Jessie St., San Francisco. $10,000

ADDITION
(1498) NO. 242 LIBERTY. Addition of one-story for (2) flats.
Owner—S. C. Edelmann, Premises.
Architect—E. E. Young, 251 Kearny St., San Francisco.
Contractor — E. Ellingson, 180 Jessie St., San Francisco. $4000

OFFICES
(1500) S MARKET 363 E Eighth Three-story steel, frame and concrete offices and stores.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—David J. Coleman, 110 Sutter St., San Francisco.
Day's work. $110,000

RESIDENCE
(1503) E SAN LEANDRO WAY 185 N St. Francis Blvd. Two-story and basement frame residence.
Owner—Robert S. Donaldson, 278 Post St., San Francisco.

Architect — Miss Julia Morgan, Merchants' Exchange Bldg., S. F.
Contractor—Taylor & Jackson, 290 Tehama St., San Francisco. $14,000

DWELLINGS
(1504) E VALDEZ 260 and 240 N Greenwood. Two one-story and basement frame dwellings.
Owner—Walter E. Hansen, 2225 Market St., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Day's work. $4000 each

DWELLING
(1505) W WILARD 100 N Golden Gate Ave. One-story and basement frame dwelling.
Owner—R. D. Young, 218 Balboa St., San Francisco.
Architect — E. J. Resing 425 Kearny St., San Francisco.
Day's work. $3000

DWELLING
(1506) N EXCELSIOR 150 W Italy. One-story and basement frame dwelling.
Owner—J. W. Wright & Sons Investment Co., 228 Montgomery St., San Francisco.
Architect—None.
Day's work. $2000

ALTERATIONS
(1507) SE FILBERT AND LARKIN. Move dwelling and set on new foundations.
Owner—O. B. Martin, 1201 Greenwich St., San Francisco.
Architect—None.
Contractor—American Concrete Co., 785 Market St., San Francisco. $2500

DWELLING
(1508) S GENEVA 150 E Paris. One-story and basement frame dwelling
Owner—D. J. Gorman, 1060 Geneva Ave., San Francisco.
Architect—None.
Contractor — Bjorkman & Holmgren, 3214 Mission St., San Francisco. $4000

DWELLING
(1509) NE MONTECITO AND PLYmouth. One-story and basement frame dwelling.
Owner—Ida F. McCain, 318 Kearny St., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Contractor—Walter E. Hansen, 2235 Market St., San Francisco. $4000

ALTERATIONS
(1510) NO. 1107 OAK. Move old building to front on lot and add one story frame for storage rooms and living quarters.
Owner—B. G. Settler, 1107 Oak St., San Francisco.
Architect—Day, 1107 Oak St., San Francisco.
Contractor—B. Settler, 1107 Oak St., San Francisco. $1400

APARTMENTS
(1511) NE BUCHANAN AND OAK Three-story frame (27) apartments
Owner—A. L. Nelson, 77 O'Farrell St., San Francisco
Architect—Wm. F. Gunnison, 1666 Golden Gate Ave., San Francisco
Contractor—E. K. Building Co., 77 O'Farrell St., San Francisco. $60,000

RESIDENCE
(1512) NE BELVEDERE AND 17TH. One-story and basement frame residence
Owner — Gustave Lindauer, 20 Oak Grove Ave., San Francisco
Architect—None
Day's work $10,000

ALTERATIONS
(1513) SE MISSION 600 NE Virginia. Alter present building for stores and offices.
Owner—Anna M. Bondeli, 145 Tiffany Ave., San Francisco.
Architect—E. A. Hermann, 89 Broadway, San Francisco.
Contractor—Claus Lindberg, 257 Surrey St., San Francisco. $6615

ALTERATIONS
(1514) NO. 7 STOCKTON ST. Construct show windows; marble floor, etc., for store.
Owner—Milton Ellis & Co., Premises.
Architect—Ostlund & Johnson, 1901 Bryant St., San Francisco.
Contractor—Ostlund & Johnson, 1901 Bryant St., San Francisco. $1500

DWELLING
(1516) W TENTH AVE. 275 N Lawton. One-story and basement frame dwelling.
Owner—A. Loring, 204 Divisadero St., San Francisco.
Architect—None.
Day's work. $2000

FRAME FLATS
(1517) SW THIRD AVE AND IRVING St., Two-story and basement frame (4) flats.
Owner—W. W. Haley, 629 Clayton St., San Francisco.
Architect—None.
Day's work. $11,000

ALTERATIONS
(1519) NO. 1061 MARKET. Erect wood partitions with glass transoms; change window, etc., for loft.
Owner—De Recat Corporation, Prem.
Architect—Dodge A. Riedy, Pacific Bldg., San Francisco.
Contractor—A. L. Thulin Co., 242 18th Ave., San Francisco. $1000

CLASS C STORE
(1521) S POST 106 W Fillmore W 30x S 75. All work for one-story Class C store building.
Owner—W. H. Hicks.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.
Contractor—Richard J. H. Forbes, Monadnock Bldg., San Francisco.
Filed Apr. 12, '22. Dated Apr. 11, '22.
Roof on $1542
Brown coated 1542
Completed and accepted 1542
Usual 35 days 1543
TOTAL COST, $6169
Bond, $3085, Sureties, Minnie C. Forbes and Jno. Cassaretto. Limit, 50 days. Forfeit, $10. Plans and specifications filed.

APARTMENTS
(1522) W BUCHANAN 113-6 N Hermann N 24xW 137-6. All work except wall beds, water heaters, window shades, lighting fixtures, finish hardware, heaters and radiators for two-story and basement frame apartments.
Owner—Edward W. and Eugene R. Greninger, 922 Valencia St., S. F.
Architect—Frederick G. Munk Jr., 58 Francis St., San Francisco
Contractor—John Casty & Son, 180 Jessie St., San Francisco
Filed Apr. 12, '22. Dated Apr. 7, '22.
Frame up and roof rafters on. $2135
Ready for plaster 2134
White coated 2135
Completed 2134
Usual 35 days 2847
TOTAL COST, $11,785
Bond, $5692.50. Sureties, J. H. McCallum and F. W. Roth. Limit, 90 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(1523) E CHARTER OAK AVE 83 N Silver Ave N 25xE 100. All work for five-room and basement frame residence.
Owner—Alma M. Mahan, 107 14th Ave., San Francisco.
Plans by Contractor.
Contractor—Martin Smith, 114 Girard St., San Francisco.
Filed Apr. 12, '22. Dated Apr. —, '22
Rough frame up and plumbing installed $650
Plaster on 650
Completed and accepted 650
Usual 35 days 700
TOTAL COST, $2650
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(1524) E CHARTER OAK AVE 50 N Silver Ave N 25xE —. All work for five-room and basement residence.
Owner—Alma M. Mahan, 107 14th Ave., San Francisco.
Plans by Contractor.
Contractor—Martin Smith 114 Girard St., San Francisco.
Filed Apr. 12, '22. Dated Apr. —, '22.
Rough frame up and plumbing installed $650
Plaster on 650
Completed and accepted 650
Usual 35 days 700
TOTAL COST, $2650
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
(1525) NE CLEMENT & SIXTEENTH Ave. Three-story and basement frame (6) apartments.
Owner—T. I. Strand, 614 Broderick St., San Francisco.
Architect—None.
Contractor—T. B. Strand, 4 Steiner St., San Francisco. $12,000

ALTERATIONS
(1527) S CLEMENT 106 W Eighth Ave. Alter store front, minor additions to furniture store.
Owner—Mrs. Millzner, 715 Clement St., San Francisco.
Architect—None.
Contractor—F. Crothers, 1426 10th Ave., San Francisco. $1900

DWELLING
(1530) E HAMBURG 25 N Hearst. One-story and basement frame dwelling.
Owner—Backman Bros., 537 Chenery St., San Francisco.
Architect—None
Day's work. $2000

ALTERATIONS
(1532) NO. 2171-2177 MISSION ST. Level and plumb for store and apartments.
Owner—H. Levinson, 643 Monadnock Bldg., San Francisco.
Architect—None.
Contractor—Pearson & Johnson, 2031 Bryant St., San Francisco. $2000

STORE, ETC.
(1533) N MARKET bet. Sansome and Montgomery. Two-story and basement concrete store and loft bldg.
Owner—Provident Securities Co., Crocker National Bank, S. F.
Architect—Willis Polk & Co., 602 Hobart Bldg., San Francisco.
Day's work. $35,000

DWELLING
(1534) S RUSSIA 25 N Lisbon. One-story and basement frame dwlg.
Owner—James Gleeson, 529 Moscow St., San Francisco.
Architect—None
Day's work. $3000

ADDITION
(1535) W TWENTY-SIXTH AVE 225 S Geary. Additions and minor alterations to residence.

Owner—C. C. Sayre, 541 26th Ave., San Francisco.
Architect—None.
Day's work. $2000

RESIDENCE
(1537) SW COMMONWEALTH AND Euclid Aves. Two-story and basement frame residence.
Owner—Samuel Baer, Russ Bldg., S. F.
Architect—Samuel Lightner Hyman, 63 Post St., San Francisco.
Contractor—Ed. Zinkand & Sons, 434 10th Ave., San Francisco. $10,000

FRAME FLATS
(1538) W EIGHTH AVE 205 S Balboa. Two-story and basement frame (2) flats.
Owner—A. T. Morris, 501 11th Ave San Francisco.
Architect—None
Day's work. $7000

FRAME FLATS, ETC.
(1539) S GEARY 80 AND 106 W Twenty-first Ave. Two two-story frame store and flats.
Owner—Felix McHugh, 474 17th Ave., San Francisco.
Architect—John J. Foley, 770 5th Ave., San Francisco.
Contractor—Thos. Hamill, 6140 Geary St., San Francisco. $6000 each

FRAME DWELLING
(1540) N KIRKHAM 57-6 W Seventh Ave. One-story and basement frame dwelling.
Owner—Nora C. McKewen, 142 Sansome St., San Francisco.
Architect—None.
Contractor—Hannah Bros., 142 Sansome St., San Francisco. $4000

SHED
(1541) SE NEWHALL AND SELBY. Erect corrugated iron shed over cattle corral.
Owner—Wm. Taaffe & Co., Third and Evans Ave., San Francisco.
Architect—None.
Day's work. $1500

DWELLINGS
(1542) N TARAVAL 82-6 AND 107-6 W 34th Ave. Two two-story and basement frame dwellings.
Owner—Parkside Realty Co., 617 Crocker Bldg., San Francisco.
Contractor—C. F. Strothoff, 2274 15th St., San Francisco.
Day's work. $4000 each

BUNGALOW
(1543) W FAXON AVE 200 S Holloway Ave S 25xW 112-6 Lot 39 Blk 22, Lakeview. All work for one-story bungalow.
Owner—The McCarthy Co., 316 Bush St., San Francisco.
Plans by Contractor.
Contractor—James Arnott & Son, 4165 20th St., San Francisco.
Filed Apr. 13, '22. Dated Apr. 6, '22.
Frame up 25%
Brown coated 25%
Completed and accepted..... 25%
Usual 35 days..... 25%
TOTAL COST, $2800
Bond, limit, forfeit, none. Plans and specifications filed.

ALTERATIONS
(1544) SE TWENTY-FIFTH AND Hampshire. All work except sink tile, gas heaters, electric fixtures, finish hardware, oak floors, and shades for alterations to building
Ownr—Adolf L. and Margareta E. Both 942 Capp St., San Francisco.
Architect—A. Merrill Bowser, Hearst Bldg., San Francisco.
Contractor — Thomas M. Jones, 3767 Army St., San Francisco.
Filed Apr. 13, 22. Dated Apr. 6, '22.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $8660
Bond, $4330, Sureties, Morris J. Jones and Annie M. Jones. Limit, forfeit none. Plans and specifications filed.

DWELLING
(1545) E SEVENTEENTH AVE about 160 N Cabrillo 30x111-6. All work for five-room and garage frame dwelling.
Owner—L. P. and Amalia Taddeucci 1925 Mason St., San Francisco.
Architect—None.
Contractor—A. Debenedetti, 20 Cotter St., San Francisco.
Filed Apr. 13, '22. Dated Apr. 4, '22.
Roof on $1162.50
Brown coated 1162.50
Completed and accepted..... 1162.50
Usual 35 days..... 1162.50
TOTAL COST, $4650.00
Bond, $2325. Sureties, A. Canti and G Cavagnaro Limit, 60 days. Forfeit none. Plans and specifications filed.

APARTMENTS
(1546) S BROSNAN 230 W Valencia 75 x75. Plumbing for three-story and basement frame apartment building.
Owner—H. Faber, % Architect.
Architect—Frederick W. Quandt, Monadnock Bldg., San Francisco.
Contractor—Western Plumbing Supply Co., 1325 Mission St., San Francisco
Filed Apr. 13, '22. Dated Mar. 20, '22.
Roughed in $1025
Completed and accepted..... 1025
Usual 35 days..... 1025
TOTAL COST, $3075
Bond, $1537.50. Sureties, W. G. McDiarmid and A. L. Kreuzberger. Limit, as required. Forfeit, none. Plans and specifications filed.

(1547) ELECTRIC WORK ON ABOVE
Contractor—H. F. Haverkamp, 1148 Market St., San Francisco.
Filed Apr. 13, '22. Dated Mar. 20, '22.
Roughed in $583
Completed and accepted..... 583
Usual 35 days..... 584
TOTAL COST, $1750
Bond, $875. Sureties, G. Bergner and C. F. Zimmernsky. Limit, as required. Forfeit, none. Plans and specifications filed.

(1548) PAINTING ON ABOVE.
Contractor—H. Maundrell & Co., 180 Jessie St., San Francisco.
Filed Apr. 13, '22. Dated Mar. 20, '22.
1st coat on.....$511
Completed and accepted..... 511
Usual 35 days..... 513
TOTAL COST, $1535
Bond, $767. Surety, United States Fidelity & Guaranty Co. Limit, as required. Forfeit, none. Plans and specifications filed

(1549) CARPENTER WORK, LATH and plaster on above.
Contractor—Peter S. Walters, 1229 Webster St., San Francisco.
Filed Apr. 13, '22. Dated Mar. 17, '22.
Foundation in.....$1000
Roof on 3371
Plastering done 3371
Trim completed 3371
Completed and accepted..... 3371
Usual 35 days..... 4829
TOTAL COST, $19,313
Bond, $9656.50. Sureties, W. S. Nagle and Herman Tanner. Limit, 108 days. Forfeit, none. Plans and specifications filed.

FLATS
(1550) NE ELEVENTH AVE AND Judah 32-6x100. Carpenter, lath and plastering for two-story and basement flat building.
Owner—Mrs. Sophie Johe, 1385 Funston Ave., San Francisco.
Architect—Frederick W. Quandt, Monadnock Bldg., San Francisco.
Contractor — Joel Johnson, 180 Jessie St., San Francisco.
Filed Apr. 13, '22. Dated Apr. —, '22
Rafters up $2451
Brown coated 2451
Standing finish on..... 2452
Completed and accepted..... 2452
Usual 35 days..... 3269
TOTAL COST, $13,075
Bond, $6540. Sureties, Edwin T. Peterson and E. J. Nutting. Limit, 72 days. Forfeit, none. Plans and specifications filed.

(1551) ELECTRIC WORK ON ABOVE
Contractor—W. H. Kirsten, 55 McAllister St., San Francisco.
Filed Apr. 13, '22. Dated Apr —, 22
Roughed in $316
Completed and accepted..... 158
Usual 35 days..... 158
TOTAL COST, $632
Bond, none. Limit, as required. Forfeit, none. Plans and specifications filed.

(1552) PAINTING ON ABOVE.
Contractor—Robert Calson, 4180 17th St., San Francisco.
Filed Apr. 13, '22. Dated Apr. —, '22.
1st coat on $403
Completed and accepted..... 403
Usual 35 days..... 404
TOTAL COST, $1210
Bond, none. Limitll as required. Forfeit, none. Plans and specifications filed.

(1553) PLUMBING ON ABOVE.
Contractor—Gus May, 3668 18th St., San Francisco.
Roughed in $629
Completed and accepted..... 630
Usual 35 days..... 630
TOTAL COST, $1889
Bond, $1889. Sureties, Jno. E. Beck and Elmer Carlson. Limit, as required Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

April 13, 1922—W TWELFTH AVE 175 N Fulton: W 12th Ave 150 N Fulton Alfred T Morris to whom it may concern.....April 13, 1922

April 13, 1922—LOTS 10 AND 11 BLK 25, Lakeview Tract Oscar Wilson to whom it may concern..Apr. 13, 1922

April 13, 1922—PTN LOTS 1 AND 2 Blk 2 37½ ft. Forest Hill Add'n. C E Kelnhart to H C Lewis..... .....April 13, 1922

April 13, 1922—E TWENTIETH AVE 106 N Fulton. Chas H Spengemann to M C Ingraham.....Mar. 20, 1922

April 13, 1922—COM. AT PT. 155 W of Int. of NW Bryant and Third W 20xN 80. Harry C Warwick to whom it may concern ..April 13, 1922

April 13, 1922—S CLEMENT 32-6 W 22nd Ave. No. 2109-2111 Clement St. Wm A Miller to whom it may concern.....April 12, 1922

April 12, 1922—W SIXTH AVE 200 S Anza S 25xW 120 Jos C Kirby to whom it may concern..April 12, 1922

April 12, 1922—LOT 6 BLK 4, Sunnyside John W Backman to whom it may concern.....April 10, 1922

April 12, 1922—W SIXTH AVE 175 S Anza S 25xW 120. Jos J Barrett to whom it may concern..April 12, 1922

April 12, 1922—LOT 7 BLK 4, Sunnyside. Ernest Bachman to whom it may concern.....April 11, 1922

April 12, 1922—SW SECOND AND Stillman S 70xW 120. Samuel Altshuler to Alfred H Vogt.. .. ..April 11, 1922

Apr. 10, 1922—SE COLUMBUS AVE & Kearny. Josephine C H Boyle to Daniel C McCabe.....Mar. 30, 1922

April 12, 1922—SW MARKET AND Ecker S 155 W 63-4¾ N 155 E 63-4¾. Walter Real Estate Co to Collman & Speidel.....April 6, 1922

April 12, 1922—SW TWENTY-FIRST Ave and Geary. George J Becker to Meyer Bros.....April 12, 1922

April 12, 1922—S CALIFORNIA 27-6 E 15th Ave F 137-6x100. W A Savage to whom it may concern... .....April 12, 1922

April 12, 1922—LOTS 23 AND 24 BLK 24, Lakeview. Thos H Parker, Nevada M Ogston & Jeanie Parker to Olaf Olsen.....April 6, 1922

April 10, 1922—LOTS 2 AND 3 BLK 20, St. Francis Wood Extn No. 2, St. Francis Home Realty Co to H B Allen (as Allen & Co)..April 6, 1922

Apr. 8, 1922—S GEARY 82-6 E 7th Ave E 25xS 100. Frank Marshall to Louis Johnson.....Apr. 7, 1922

April 7, 1922—SE GEARY AND Seventh Ave E 57-6xS 100. Ida A Cohen to Fred L Hansen..... .....April 7, 1922

April 7, 1922—LOT 4 and W 7-6 Lot 5 Blk 2977, Merritt Terrace. James A Arnott to James Arnott & Son.. .....April 6, 1922

April 7, 1922—E 19-6 LOT 12 and W 17 Lot 13 Blk 2977, Merritt Terrace. James A Arnott to James Arnott & Son..... .....April 6, 1922

April 7, 1922—N ALVARADO 140 E Hoffman Ave and E 25xN 114 Lot 22, Heyman Tract. Chas L and Myrtle V Weyrauch to E Weyrauch ....April 3, 1922

April 7, 1922—W FOURTEENTH AV 280 S Geary S 25x114. G E Watson to whom it may concern. Apr 7, 1922

April 7, 1922—SW LARKIN AND Cedar Ave. Rebecca C Tucker to Lynch & Bryant.....Mar. 30, 1922

April 7, 1922—E DOUGLASS 225 from 18th Mrs S Mitchell to whom it may concern .....

April 11, 1922—LOT 1 BLK 3109; Lot 2, Blk 3109, Westwood Park. Hans and Esther E Nelson to Nelson Bros.....April 7, 1922

April 11, 1922—NW PARIS 200 SW Italy Ave SW 50xNW 100 Ptn Excelsior Blk 8 G W Wright & Sons Inc Co. to whom it may concern.. .....April 11, 1922

Apr. 11, 1922—NW FRANKLIN AND Hayes. R J O'Brien to Kernan & O'Brien .....April 11, 1922

Apr. 10, 1922—W FIFTEENTH AVE 175 S Geary 28x120. Jas H Callahan to A L Thulin.....April 10, 1922

April 10, 1922—LOT 18 BLK 3137, Westwood Park. Walter E Hansen to whom it may concern.Apr. 8, 1922

April 10, 1922—LOT 17 BLK 3137 and Lot 16 Blk 3137, Westwood Park. Walter E Hansen to whom it may concern..... .....April 7, 1922

Apr 10, 1922—SE TWENTY-SECOND Ave and Balboa 32-6 on Balboa by 100 on 22nd Ave. P Joyce to Thos M Jones.....April 7, 1922

April 10, 1922—NAPOLEON ST. Southern Pacific Co to J P Holland ....April 1, 1922

Apr. 8, 1922—N GEARY 137-6 W Mason W 106xS 137-6. Curran Theatre Co to R J H Forbes.... .....Mar. 30, 1922

Apr. 8, 1922—NE TWENTY-FIRST & Clement 32-6x 100 on 21st Ave. M P Storbein to whom it may concern .....Apr. 8, 1922

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

April 10, 1922—N PAGE 162-6 E Masonic Ave E 41-4½xN 137-6. The Greater City Lumber Co vs Clara and Bernhard Van Dyke.. ....$2251 55

Apr 8, 1922—SW VAN DYKE AVE 75 SE Keith SE 25xSW 100. Thomas Landers vs Mary Flores Dutra or Mary Flores $350

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount

April 10 1922—S CLAY 103-4½ E Grant Ave E 31-4½xS 70-6 John J Leonard to Chas Moy.....

Apr. 8, 1922—N CLAY 115 E Fillmore E 25xN 90. F G Norman & Sons vs Harry Williams $194.50

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

April 13, 1922—W FILLMORE 106 S Sacramento S 53xW 106-3. Wm Barrett as to improvements on property .....

April 13, 1922—N FULTON 71-6 W Gough W 66xN 137-6. Adams Co as to improvements on property.

April 11, 1922—S SACRAMENTO 82-6 E Baker E 27-6xS 105. August Lacay as to improvements on property .....

April 7, 1922—SW VAN NESS AVE and Fell S 48xW 82. Alexander T Leonard as to improvements on property .....

BUILDING CONTRACTS

ALAMEDA COUNTY

$1,000 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
1532	Scammell	Owner	4500
1533	Gemreich	Faulkes	9000
1534	Roble	Owner	7500
1535	Anderson	Owner	4500
1536	Noble	Owner	6000
1538	Alameda Ld Co	Owner	3000
1539	Clarke	Christensen	4000
1541	Aljets	Goranson	3500
1542	Ferrier	Birmingham	2800
1543	Isaac	Owner	3750
1544	Same	Owner	3750
1546	Sims	Owner	5000
1547	Roberts	Salanave	9500
1549	Baker	Owner	4600
1550	Williams	Cushman	2700
1551	Carr	Sleep	3500
1552	Dimmer	Goranson	4920
1553	Hinch	Owner	8000
1554	Greenberg	Rich	4500
1555	Hutchinson	Muller	13000
1556	Wattis	Hawkins	3000
1557	Rip Van Winkle	Calif	3000
1558	Mante	Johnson	4000
1559	Ready	Anderson	6000
1560	Berger	Walker	3000
1561	Moreom	Duval	4750
1563	Davis	Davis	4100
1564	Viera	Hudson	2500
1565	Hallen	Oakland	4500
1566	Moyer	Rose	17000
1567	Dauskanen	Sommarstrom	25000
1568	Weymouth	Pinkerton	4500
1569	Lohiluoma	Owner	1750
1570	Good	Slack	5800
1571	Matheyer	Matheyer	3000
1572	Earl	Hasselbeck	1000
1574	Namanny	Gede	4000
1578	Leonardino	Garello	2878
1579	Leonardini	Garello	2878
1580	Toniatti	McCord	2500
1583	Moyse	Peterson	4593
1585	Reismann	Crane	5000
1586	Bredehoft	Owner	5000
1587	Hartman	Owner	3000
1588	Eltro	Lawton	6500
1589	Holmes	McGuire	1635
1590	Rollar	Rollar	3000
1591	Scott	Crane	4000
1592	Anderson	Owner	5000
1593	Colin	Moran	4500
1594	Marshall	Owner	3500
1595	Force	Owner	10000
1596	Woodburn	Owner	4000
1597	Kotchels	Leonard	2458
1598	Nessi	Skaggs	1800
1599	Comacchias	Campomenosi	4000
1600	Doody	Doody	1400
1602	Leithmann	Leithmann	2000
1603	Hunt	Owner	3250
1604	Nelson	Owner	2500
1605	Fisher	Owner	8500
1606	Johnson	Owner	3500
1607	Matinsen	Matinsen	3500
1609	Goodmurson	Stuart	4900
1611	Battershill	Owner	2000
1612	Godon	Petersen	4925
1613	Ceheltree	Williams	7800
1616	Ekland	Riecnel	3500
1618	Froberg	Owner	3000
1619	Thorp	Owner	3000
1621	Finche	Owner	2500
1622	Ortson	Owner	3750
1623	Bigelow	Owner	4000
1624	Marrack	Appleton	5000
1625	Webster	Nunes	8000
1626	Begley	Begley	4000
1627	Krieger	Owner	4000
1630	Day	Frostholm	3750
1631	Weymouth	Stenbro	5000
1632	Hoffman	Hart	2000
1633	Mills	Owner	4500
1634	Weymouth	Pinkerton	4500
1635	Smith	Loughery	8375
1636	Peters	Anderson	3300
1637	Foreman	Arthur	7000
1638	Johnson	Johnson	5000
1639	Campbell	Engler	5000
1640	Sager	Morris	7000
1641	Kroll	Ahnefeld	3000
1642	Webb	Porter	1500
1643	Cote	Pfrang	4000
1646	Cambra	Deuble	3200
1647	Hicks	Marshall	10000
1649	Adams	Owner	2400
1650	Mortensen	Van Ness	3150
1651	Okd. Park	Barnes	6249
1652	Adamski	Russell	2500
1653	Zacke	Zacke	3000
1654	Short	Short	3500
1655	Peters	Anderson	3300
1656	Baker	Owner	2500
1657	Neiman	Lehman	10618
1658	Loring	Louise	7500
1659	Lainhas	Knight	10000

RESIDENCE

(1532) DORIDERA AVE., Piedmont. Two-story 6-room residence and garage.

Owner—J. W. Scammell, 206 Mountain Ave., Piedmont.

Architect—None.

Day's work. $4500

DWELLING

(1533) FAIRVIEW AVE., Piedmont. Two-story 8-room dwelling.

Owner—W. A. Gemrelen, 40 Fairview Ave., Oakland.

Architect—None.

Contracter—J. R. Faulkes, 9828 E-14th St., Oakland. $9000

DWELLING

(1534) LOT 10 BLK "B" Lakewood Park, Piedmont. Two-story dwelling and garage.

Owner—R. W. Roble, 1600 Milvia St., Berkeley.

Architect—None.

Day's work. $7500

DWELLING

(1535) RICARDO AVE., Piedmont. Two-story 7-room dwelling.

Owner—J. H. Anderson, 99 Glen St., Oakland.

Architect—None.

Day's work. $4500

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DWELLINGS

(1536) NO. 1029 AND 1030 DORIS Court, Alameda. Two one-story 4-room dwellings.

Owner—G H. Noble 2205 Santa Clara Ave., Alameda.

Architect—None.

Day's work. $3000 each

ALTERATIONS

(1538) NO. 2300-06 ENCINAL AVE., Alameda. Alterations to store.

Owner—Alameda Land Co., 1434 Park St., Alameda.

Architect—None.

Day's work $3600

DWELLING

(1539) NO. 1500 SANTA CLARA AVE., Alameda. One-story 6-room dwlg.

Owner—J. Clarke, Premises.

Architect—None.

Contractor — A. C. Christensen, 4121 Redding St., Oakland. $4000

DWELLING
(1541) NO. 2407 ACTON ST., Berkeley One-story 5-room dwelling.
Owner — John W. Aljets, 822 33rd St., Oakland.
Architect—None.
Contractor—H. Goranson, 3476 Laguna Ave., Oakland. $3500

ADDITION
(1542) NO. 2296 WOOLSEY ST., Berkeley. Addition.
Owner—Geo. H. Ferrier, Premises.
Architect—None.
Contractor—D Birmingham, 2908 Otis St., Berkeley. $2800

DWELLING
(1543) E RAWSON AVE. 480-522 N Fleming, Oakland. One-story 5-room dwelling.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLING
(1544) E BEST 80 N Fleming, Oakland. One-story 5-room dwelling.
Owner—Harry W. Issacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLING
(1546) W CORTLAND AVE. 270 N Foothill Blvd., Oakland. One-story 8-room 2-family dwelling.
Owner—Wm. H. Sims, 1926 66th Ave., Oakland.
Architect—None.
Day's work. $5000

FLATS
(1547) SE E-EIGHTEENTH and 39th Ave., Oakland. Two-story 16-room flats.
Owner—P. Roberts, 758 Broadway, San Francisco.
Architect—None.
Contractor—J. Salanave, 931 Pacific St., San Francisco. $9500

DWELLING
(1549) N E-THIRTY-EIGHTH 60 W Ardley, Oakland. One-story 5-room dwelling.
Owner—W. J. Baker, 2255 Ransome Ave., Oakland.
Architect—None.
Day's work. $4000

DWELLING
(1550) W EIGHTY-FIFTH AVE. 40 N Plymouth, Oakland. One-story 4-room dwelling.
Owner—Geo. W. Williams, 85th Ave., Oakland.
Architect—None.
Contractor—C. A. Cushman, 1675 85th Ave., Oakland. $2700

ADDITION
(1551) NO. 849 FIFTY-FOURTH, Oakland. Addition.
Owner—T. F. Carr, premises.
Architect—None.
Contractor—Jones & Sleep, 5642 College Ave., Oakland. $3500

DWELLING
(1552) S GEORGIA 128 E Peralta, Oakland. One-story 7-room dwelling.
Owner—Capt. M. Dimmer, 4222 Hopkins St., Oakland.
Architect—None.
Contractor—H. Goranson, 2055 Santa Clara Ave., Alameda. $920

DWELLING
(1553) N NEVIL 225 W 38th Ave., Oakland. One-story 5-room dwelling.
Owner—Jos. T. Hinch, Federal Bldg., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(1554) S ROSAL AVE. 350 W Lakeshore, Oakland. One and one-half story 6-room dwelling.
Owner—Chas. Greenberg, 23rd and Waverly Sts., Oakland.
Architect—None.
Contractor—Jas. L. Rich, 943 42nd St., Oakland. $4500

FLATS
(1555) E STATEN AVE. 325 N Grand Ave., Oakland. Two-story 14-room flats.
Owner—Eva G. Hutchinson, 2020 10th Ave., Oakland.
Architect—None.
Contractor—F. A. Muller, Syndicate Bldg., Oakland. $13,000

DWELLING
(1556) N SIXTY-FIFTH 200 E San Pablo, Oakland. One-story 5-room dwelling.
Owner—Mrs. Wattis, Howe St., Oakland.
Architect—None.
Contractor—H. J. Hawkins, 2139 Essex St., Berkeley. $3000

WAREHOUSE
(1557) N TWENTY-SECOND 50 E West St., Oakland. One-story warehouse.
Owner—Rip Van Winkle Wall Bed Co.
Architect—None.
Contractor—California Builders, 1534 Franklin St., Oakland. $3000

DWELLING
(1558) E WICKSON oposite Warfield, Oakland. One and one-half story 6-room dwelling.
Owner—L. Mante, 1009 Madison St., Oakland.
Architect—None.
Contractor—Pete Johnson, 756 Jefferson St., Oakland. $4000

DWELLING
(1559) E WELDON AVE. 265 N Lakeshore, Oakland. One-story 6-room dwelling.
Owner—M. E. Ready.
Architect—Slocombe & Field, First Savings Bank Bldg., Oakland.
Contractor — A. Frederick Anderson, 2800 Delaware St., Oakland. $6000

BUILDING
(1560) N E-TWELFTH 50 W 23rd Ave., Oakland. One-story building.
Owner—M. Berger, 1335 23rd St., Oakland.
Architect—L. F. Hyde, 2716 26th Ave., Oakland.
Contractor—S. Walker, 3231 Boston Ave., Oakland.
Filed Apr. 7, '22. Dated Mar. 23, '22
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $3,000
Bond, none. Limit, June 1, 1922. Forfeit, none. Plans and specifications, none.

ALTERATIONS
(1561) NO. 1724 BROADWAY, Oakland. Alterations.
Owner—Fred N. Morcom, 1445 Broadway, Oakland.
Architect—None.
Contractor—Oliver Duval & Co., Dalziel Bldg., Oakland. $4750

DWELLING
(1563) E FRUITVALE AVE 50 N E-29th St., Oakland. One-story 6-room dwelling and garage
Owner—Geo. B. Davis and Fred Keiser, 3283 Hyde St., Oakland.
Architect—None.
Contractor—Geo. B. Davis, 3283 Hyde St., Oakland. $4100

DWELLING
(1564) NE FOOTHILL BLVD. AND Forty-seventh Ave., Oakland. One-story 3-room dwelling.
Owner—L. L. Viera, 160 E-14th St., Oakland
Architect—None.
Contractor—L. G. Hudson, 1771 Evers Ave., Oakland. $2500

DWELLING
(1565) E GLENDORA AVE 364 N Edgewood, Oakland. One-story 5-room dwelling.
Owner—Harold Hallen, 1115 16th St. Oakland.
Architect—None.
Contractor — Oakland Home Builders, Inc., 1710 San Pablo Ave., Oakland. $4500

APARTMENTS
(1566) SW GRAND AND JEAN AVES., Oakland. Two-story 17-room apts.
Owner—Dr. J. J. Moyer, Cor. 14th and Jefferson Sts., Oakland.
Architect—None.
Contractor—Mervin P. Rose, 946 Oxford St., Berkeley. ..$17,000

APARTMENTS
(1567) E GRAND AVE 150 N Weldon, Oakland Three-story 24-room apartments.
Owner—H. Danskanen, 647 Alvarado St., San Francisco.
Architect—None.
Contractor — M. Felix Sommarstrom, 2215 Park Blvd., Oakland. $25,000

DWELLING
(1568) NE 5 LOT 7 and SW 35 Lot 8 Blk "F" Map Grand Ave. Heights, Oakland. All work for one-story dwelling.
Owner—S. W. Weymouth, 922 Chestnut St., Oakland.
Architect—None.
Contractor— J. A. Pinkerton, 1931 Berryman St., Berkeley.
Filed Apr. 8, '22. Dated Apr. 7, '22
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $4500
Bond, none. Limit, 70 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1569) NO. 2319 CURTIS, Berkeley. One-story 4-room dwelling.
Owner—E. Yli Lohiluoma, 1235 Channing Way, Berkeley.
Architect—None.
Day's work. $1750

DWELLING
(1570) NO. 1606 LA VAREDA, Berkeley. Two-story 8-room dwelling.
Owner—J. H. Good.
Architect—None.
Contractor—E. F. Slack & Patten, 2121 Cedar St., Berkeley. $5800

DWELLING
(1571) NO. 2759 PARK, Berkeley. One-story 5-room dwelling.
Owner—Jennie Matheyer, 1369 Hopkins St., Oakland .
Architect—None.
Contractor—L. B. Matheyer Co., 1369 Hopkins St., Oakland. $3000

ADDITION
(1572) NO. 1378 E-TWENTY-EIGHTH, Oakland. Addition.
Owner—M. Earl.
Architect—None.
Contractor—A. W. Hasselbeck, 1326 E-12th St., Oakland. $1000

DWELLING
(1574) N EXCELSIOR BLVD 297 S Alma, Oakland. Two-story 6-room dwelling.
Owner—Fred Namanny, 471 Moss Ave., Oakland.
Architect—None.
Contractor — Gede & Randall, 5361 Locksley St., Oakland. $4000

DWELLING
(1578) NE FIFTY-FIRST ST. AND Lawton Ave., Oakland. One-story 4-room dwelling.
Owner—G. Leonardini, 5030 Lawton Ave., Oakland.
Architect—None.
Contractor—P. Garello, 870 47th St., Oakland. $2878

DWELLING
(1579) E LAWTON 30 N Fifty-first St., Oakland. One-story four-room dwelling.
Owner—G. Leonardini, 5030 Lawton Ave., Oakland.
Architect—None.
Contractor—P. Garello, 870 47th St., Oakland. $2878

DWELLING
(1580) SW FORTY-SIXTH AND MARket, Oakland. One-story 5-room dwelling.
Owner—Giolio Toniatti, 884 45th St., Oakland.
Architect—None.
Contractor—J. A. McCord, 4517 Market St., Oakland. $2500

DWELLING
(1583) LOT 215 Map Fourth Avenue Terrace Extension, Oakland. All work for one-story frame dwlg.
Owner—Joe anw Belle Moyse, Oakland
Architect—Fred D. Voorhees, 1829 West St., Oakland.
Contractor—Alfred Peterson, 3918 Lynwood Ave., Oakland.
Filed Apr. 10, '22. Dated Mar. 31, '22.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $4593
Bond, $2500. Sureties, L. De Luchi and William MacDougall. Limit, 65 days after April 5. Forfeit, none. Plans and specifications, filed.

DWELLING
(1585). NO. 2224 DERBY ST., Berkeley Two-story 6-room dwelling.
Owner—H. J. Reismann, 2118-A Vine St., Berkeley.
Architect—None.
Contractor—C. B. Crane & Son, 2695 Cedar St., Berkeley. $5000

APARTMENTS
(1586) SE HOPKINS AND CARLOTTA Berkeley. Two-story 8-room store and apartments.
Owner—Bredehoft & Kay, 1620 Hopkins St., Berkeley.
Architect—None
Day's work $5000

DWELLING
(1587) NO 1311 NORTHSIDE AVE., Berkeley One-story 4-room dwlg.
Owner—Alex Hartman, 1307 Northside Ave., Berkeley
Architect—None
Day's work. $1000

DWELLING
(1588) NO 1059 SHATTUCK AVE., Berkeley Two-story 6-room dwlg.
Owner—R. E. Eltre
Architect—None
Contractor—Lawton & Vezey, 351 '21 St., Oakland $6500

ALTERATIONS
(1589) NO. 42 PLAZA DRIVE, Berkeley Alterations and additions
Owner—Earl I. Holmes.
Architect—None
Contractor—Charles McGuire 418 Joost Ave. San Francisco $1635

DWELLING
(1590) NO. 1342 RUSSELL ST., Berkeley. One-story 6-room dwelling.
Owner — Chas. Rollar, 1424 Jefferson St., Berkeley.
Architect—None.
Contractor—Rollar & Stone. $3000

DWELLING
(1591) NO. 1529 SPRUCE ST., Berkeley One-story 7-room dwelling.
Owner—J. L. Scott, 2312 Roosevelt St., Berkeley.
Architect—None.
Contractor—C. B. Crane & Son, 2695 Cedar St., Berkeley. $4000

DWELLING
(1592) NO. 1121 RALEIGH WAY, Piedmont. Two-story 5-room dwlg.
Owner—A. P. Anderson, 5409 Thomas St., Oakland.
Architect—None.
Day's work. $5000

DWELLING
(1593) NO. 123 LAKE AVE., Piedmont One and one-half-story 6-room dwelling and garage.
Owner—Mrs. Marie Colin.
Architect—None.
Contractor—J. W. Moran. $4500

DWELLING
(1594) NO. 1560 GRAND AVE., Piedmont. One-story 5-room dwelling.
Owner—Howard Marshall, 5448 Locksley Ave., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(1595) E ALVARADO ROAD 100 N Oakhan Lane, Oakland. Two-story 8-room dwelling.
Owner—Dr. J. N. Force, 2724 Prince St., Berkeley.
Architect—Warren C. Perry, 260 California St., San Francisco.
Day's work. $10,000

DWELLING
(1596) E BROOKWOOD ROAD 375 S Tresde Glen Road, Oakland. One-story 6-room dwelling.
Owner—F. L. Woodburn, 155 Parkside Drive, Piedmont.
Architect—None.
Day's work. $4000

DWELLING
(1597) W EIGHTY-FOURTH AVE 40 S A St., Oakland. One-story four-room dwelling
Owner—John Ketchels, 1255 87th Ave., Oakland.
Architect—None.
Contractor—F. J. Leonard, 2221 Anscon Ave., Oakland $2458

ALTERATIONS
(1598) NO. 532 FORTY-FOURTH ST Oakland. Alterations.
Owner—Louis S. Nessi.
Architect—None
Contractor—J. H. Skagges, 536 44th St., Oakland $180

DWELLING
(1599) N FORTY-NINTH 110 E Clark St. Oakland. One-story 5-room dwelling.
Owner—P. Comacchia 604 45th St., Oakland
Architect—None
Contractor—E. Campondonost, 5238 Lawton Ave. Oakland $4000

DWELLING
(1600) N FORTY SEVENTH ST No. 148, Oakland. One-story 5-room dwlg
Owner—Mrs. Kate Doody Premises.
Architect—None
Contractor—A. H. Doody $1400

DWELLING
(1601) S HAROLD 105 E Champion, Oakland One-story 5-room dwlg.
Owner—Margaret Leithmann, 2627 Harold St., Oakland.
Architect—None.
Contractor—J. A. Leithmann, 2627 Harold St., Oakland. $2000

DWELLING
(1603) E HALEY AVE 100 S Hopkins, Oakland. One-story 6-room dwlg.
Owner—R. M. Hunt, 3436 Haley Ave., Oakland.
Architect—None.
Day's work. $3250

DWELLING
(1604) N HARBOR VIEW 200 E 35th Ave., Oakland. One-story 5-room dwelling.
Owner—A. E. Nelson, 6324 Camden St.,
Architect—None.
Day's work. $2500

FLATS
(1605) S KENMORE AVE 107 E Walavista, Oakland. Two-story 10-room flats.
Owner—T. & P. Fisher, Syndicate Bldg., Oakland.
Architect—None.
Day's work. $8500

DWELLING
(1606) SE LYON AND HARRINGTON, Oakland. One and one-half-story 7-room dwelling.
Owner—Gust Johnson, 3609 Lyon Ave., Oakland
Architect—None.
Day's work. $3500

DWELLING
(1607) MORAGA ROAD & ESTATE Drive, Oakland. One-story 5-room dwelling.
Owner—Ada J. W. Matinsen.
Architect—None.
Contractor—J. W. Matinsen. $3500

DWELLING
(1609) S SANTA RAY AVE 200 E Calmar, Oakland. One-story 5-room dwelling.
Owner—A. K. Goodmunson, 22nd and San Pablo Ave., Oakland.
Architect—None.
Contractor—B. A. Stuart, 137 Perkins St., Oakland. $4900

ADDITION
(1611) NO. 3710 WISCONSIN ST., Oakland. Addition.
Owner—James Battershill. Premises.
Architect—None.
Day's work. $2000

APARTMENTS
(1612) LOT 12 BLK "B" Map Linda Rosa Tract, Oakland All work for one-story apartments.
Owner—Louise Goden, Oakland
Architect—None
Contractor Jas B. Peterson, 2053 38th Ave., Oakland.
Filed Apr. 11, '22. Dated Apr. 10, '22.
Frame up $1250
Plastered 1250
Completed and accepted..... 1250
Usual 35 days 1175
TOTAL COST, $4925
Bond, none. Limit, 90 days. Forfeit, $1. Plans and specifications, none.

DWELLING
(1613) LOT 1 OCHELTREE SHDVN Berkeley All work for two-story 11-room duplex dwelling.
Owner—Gilbert H. Ocheltree, South Pasadena, Calif
Architect—None.
Contractor — George A. Williams, 70 Vernon St., Oakland
Filed Apr. 11, '22. Dated Apr. 11,
2nd floor joists in place $1500
Roof on 1500
Plastered 1500
Completed 1500
Usual 35 days 1800
TOTAL COST, $7800
Bond, none Limit, 90 days. Forfeit, $10. Plans and specifications filed.

DWELLING
(1616) SE CENTRAL AND CAROLINA Alameda. One and one-half-story 5-room dwelling.
Owner—A. Ekland.
Architect—None.
Contractor — Riechel & Bridhoff, 2507 Clement Ave., Alameda. $3500

DWELLING
(1618) SE HIGH AND ADAMS STS., Alameda. One-story 5-room dwlg.
Owner—J. Froberg, 3242 Encinal Ave., Alameda.
Architect—None.
Day's work. $3000

DWELLING
(1619) NO. 455 HAIGHT AVE., Alameda. Two-story 5-room dwlg.
Owner—J. M. Thorp, Premises.
Architect—None.
Day's work. $5000

ALTERATIONS
(1621) NO. 1326 BONITA AVE., Berkeley. Alterations and additions.
Owner—H. W. Finche, Premises.
Architect—None.
Day's work. $2500

DWELLING
(1622) NO. 1700 STUART ST., Berkeley. One-story 5-room dwlg.
Owner—Ortzon & Spunt, 3929 West St., Oakland.
Architect—None.
Day's work. $3750

DWELLING
(1623) NO. 2321 DERBY ST., Berkeley. Two-story 7-room dwelling.
Owner—J. E. Bigelow, 2234 Atherton St., Berkeley.
Architect—None.
Day's work. $4000

DWELLING
(1621) NO. 2319 KEITH AVE., Berkeley. One-story 5-room dwlg.
Owner—Mrs. C. M. Marrack, 530 Melville Ave., Palo Alto.
Architect—None.
Contractor — De Witt Appleton, 323 Larkin St., Monterey. $5000

DWELLING
(1625) NO. 55 OAKVALE AVE., Berkeley. Two-story 8-room dwlg.
Owner—Clemintine Webster, College & Prince Sts., Berkeley.
Architect—None.
Contractor—Geo. W. Nunes, 5430 Dover St., Oakland. $8000

ALTERATIONS
(1626) NO. 1800 ROSE ST., Berkeley Alter dwelling into flats.
Owner—Annie E. Begley, Premises.
Architect—None.
Contractor—P. Begley, Premises. $1000

DWELLING
(1627) NO. 1052 SPRUCE ST., Berkeley. Two-story 6-room dwlg.
Owner—C. M. Krieger, 2930 Harper St., Berkeley.
Architect—None.
Day's work. $4000

DWELLING
(1630) W FORTY-SECOND AVE 505 N Carrington, Oakland. One-story 5-room dwelling.
Owner—W. E. Day, — Boyd Ave., Oakland.
Architect—None
Contractor — H. M Frostholm, 877 Lakeshore Ave., Oakland. $3750

DWELLING
(1631) NW HOPKINS AND WOODruff, Oakland. One-story 6-room 2-family dwelling.
Owner—Jessie Weymouth.
Architect—None.
Contractor—A. Stenbro, 3342 Laguna Ave., Oakland. $5000

DWELLING
(1632) E HIGH 135 N Redding, Oakland. One-story 4-room dwelling.
Owner — F. Hoffman, 1630 35th Ave., Oakland.
Architect—None.
Contractor—J. G. Hart, 2419 E-20th St., Oakland. $2000

DWELLING
(1633) N SIXTY-SIXTH 130 E Telegraph Ave., Oakland. Two-story 8-room dwelling.
Owner—A. G. Mills, 460 66th St., Okd.
Architect—None.
Day's work. $1500

DWELLING
(1634) N WARFIELD AVE 45 E Weldon, Oakland. One-story 6-room dwelling.
Owner—S. W. Weymouth.
Architect—None.
Contractor — J. A. Pinkerton, 1951 Berryman St., Berkeley. $4500

APARTMENTS
(1635) NO. 702 TWENTY-FIFTH ST., Oakland. Two-story 16-room apts.
Owner—George C. Smith, 702 25th St., Oakland.
Architect—None.
Contractor—James F. Loughery, 705 31st St., Oakland.
Filed Apr. 12, '22. Dated Apr. 12, '22
Frame up $2093
Brown coated 2093
Completed and accepted 2093
Usual 35 days 2096
TOTAL COST, $8,375
Bond, $4200. Sureties, Elizabeth and Ellen Loughery. Limit, 100 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1636) W SHEFFIELD 186 S Hopkins SW 32 NW 85.397 NE 32 SE 85.391, Oakland. Five-room dwelling.
Owner—Alice C. Peters, 485 Hudson St., Oakland.
Architect—None.
Contractor — A. A. Anderson, 3321 Brookdale Ave., Oakland.
Filed Apr. 12, '22. Dated Apr. 11, '22
Frame up ..... ¼
Plastered ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $3,300
Bond, none. Limit, 70 days. Forfeit, $4 day. Plans and specifications filed.

DWELLING
(1637) LOT 20 BLK. 4 Map North Cragmont, Berkeley. Two-story frame dwelling.
Owner—Margaret Edith Foreman, 716 Arlmo Ave., Oakland.
Architect—None.
Contractor—Charles E. Arthur, 1532 McGee Ave., Berkeley.
Filed Apr. 11, '22. Dated Apr. 11, '22
Foundation completed ..... $ 425
Second story floor completed... 900
Ready for plaster..... 950
Plastered 1500
Completed and accepted..... 1500
Usual 35 days 1825
TOTAL COST, $7,000
Bond, $3500. Sureties, J. H. Hardy and Corbett & Bayliss. Limit, 90 days. Forfeit, $5 day. Plans and specifications filed.

DWELLINGS
(1638) NO. 1542-1544 BLAKE ST., Berkeley. Two one-story five-room dwellings.
Owner—E. Johnson, 223 Greenbank Ave Piedmont.
Architect—None.
Contractor—L. Johnson & Son, 223 Greenbank Ave., Piedmont. $2500 each

DWELLING
(1639) NO. 1141 COLUSA AVE., Berkeley. One-story 6-room dwelling.
Owner—Louise Campbell
Architect—None.
Contractor—Louis Engler, 2940 Forest Ave., Berkeley. $5000

STORES
(1640) NO. 2973-75-79 COLLEGE-AVE Berkeley. One-story stores.
Owner—O. Sager, 601 14th St., Oakland
Architect—None.
Contractor—S. Morris 1424 Jefferson St., Oakland. $7000

DWELLING
(1641) S DELAWARE 50 E Acton St., Berkeley. One-story 5-room dwlg.
Owner—P. Krell, SW Cor. Chestnut & Bristol Sts., Berkeley.
Architect—None.
Contractor — Harry Ahnefeld, 2123 Parker St., Berkeley. $3000

GARAGE
(1642) NO. 2518-20 HILLCOURT ST., Berkeley. Concrete garage.
Owner—Earll H. Webb, 1539 Hawthorne Terrace, Berkeley.
Architect—None
Contractor—H. H. Porter, 2516 Cedar St., Berkeley. $1500

DWELLING
(1643) NO. 831 SAN LUIS ROAD, Berkeley. One-story 6-room dwlg.
Owner—Naylor E. Cote, 2701 Benvenue Ave., Berkeley.
Architect—None.
Contractor—C. J. Piraing. $4000

DWELLING
(1646) E ADELINE 250 N 30th, Oakland. One-story 4-room dwelling.
Owner—Frank Cambra, 2831 Union St., Oakland.
Architect—None.
Contractor—C. B. Deuble, Central Bank Bldg., Oakland. $3200

GARAGE
(1647) S E-TWELFTH 100 W 6th Ave, Oakland. One-story tile garage.
Owner—Hicks & Mortensen.
Architect—None.
Contractor—Marshall & Burks, Bacon Bldg., Oakland. $10,000

DWELLING
(1649) S HOPKINS 50 E Loma Vista Ave., Oakland. One-story 4-room dwelling.
Owner—E. H. Adams, 2840 23rd Ave., Oakland.
Architect—None.
Day's work. $2400

DWELLING
(1650) N HOPKINS 40 E Boston Ave., Oakland. One-story 5-room dwelling.
Architect—None.
Contractor—L. E. Van Ness, Box 433 R. F. D. No. 1, Oakland. $3150

COMFORT STATION
(1651) LAKESIDE PARK, Oakland. One-story comfort station.
Owner—Oakland Park Board.
Architect—None.
Contractor—Barnes & Place, 310 Fairmount Ave., Oakland. $6249

DWELLING
(1652) W OCTAVIA 124 N Suter, Oakland. One-story 5-room dwelling.
Owner—W. Adamski, 3319 Octavia St., Oakland.
Architect—None.
Contractor—J. A. Russell, 3614 Porter St., Oakland. $2500

DWELLING
(1653) N PEARMAIN 200 E 105th Ave., Oakland. One-story 5-room dwlg.
Owner—Martin C. Zacke, 3420 Haley Ave., Oakland.

Architect—None.
Contractor—Martin C. Zacke Sr. $3000

DWELLING
(1654) NE PERALTA AVE AND Montana St., Oakland. One-story 5-room dwelling.
Owner—Louise H. Short, 574 Rosal Av., Oakland.
Architect—None.
Contractor—C. W. Short, 574 Rosal Ave. Oakland. $3500

DWELLING
(1655) W SHEFFIELD 186 S Hopkins, Oakland. One-story 5-room dwlg.
Owner—Alice C. Peters.
Architect—None.
Contractor—A. A. Anderson, 3321 Brookdale St., Oakland. $3300

DWELLING
(1656) N WILBUR 128 E Lincoln St., Oakland. One-story 4-room dwlg.
Owner—W. Baker, 2446 Wilbur St., Oakland.
Architect—None.
Day's work. $2500

DWELLINGS
(1657) E OXFORD 400 S Eunice S 80 xE 134 7-12, Berkeley. All work for four one-story dwellings.
Owner—W. F. Neiman, Berkeley.
Architect—None.
Contractor—John Lehrman, 959 Apgar St., Oakland.
Filed Apr. 13, '22. Dated Apr. 11, '22.
Frames up ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $10,618
Bond, $5310. Surety, Fidelity & Casualty Co. Limit, 90 days from April 14. Forfeit, $7. Plans and specifications filed

FLATS
(1658) S MILES AVE 75 W College Ave W 43xS 26-6 Oakland. All work for two-story flats.
Owner—Mrs. E. S. Loring, 5679 College Ave., Oakland.
Architect—C. C. Lassen.
Contractor—C. W. and Louise H. Short, 574 Rosal Ave., Oakland.
Filed Apr. 13, '22. Dated Apr. 10, '22.
Rough lumber on ground $1900
Rough inspection made 1400
Plastered 1400
Completed and accepted 1400
Usual 35 days 1400
TOTAL COST, $7500
Bond, none. Limit, 100 days from April 17. Forfeit, $5. Plans and specifications filed

APARTMENTS
(1659) E OAK 35 S 11th S 25xE 90, Oakland. Two-story apartments.
Owner—Maria E. Lainhas, 1115 23rd Ave., Oakland.
Architect—None.
Contractor—Harry C. Knight, 388 12th St., Oakland.
Filed Apr. 13, '22. Dated Mar. 21, '22
Brown coated ..... ¼
2nd floor joists in place ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $10,000
Bond, none. Limit, 75 days. Forfeit none. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
April 12, 1922—LOT 10 BLK 1, Grand View Terrace, Berkeley. Aida Verdi Link to C R Madison... April 2, 1922
April 12, 1922—LOT 19 BLK 7, Northbrae, Berkeley. P E Marquis to whom it may concern. April 11, 1922
April 12, 1922—LOT 2 BLK 2, Map East Piedmont Heights Extension, Oakland. A Lebrecht to James L Rich ..... April 11, 1922
April 12, 1922—LOT 9 BLK 2, Map East Piedmont Heights Extension, Okd. E V Stevenson to B A Stewart ..... Feb. 3, 1922
Apr. 11, 1922—SE FIFTH AVE 75 SW E-21st SW 35 SE 110, Oakland. Chester S and Edna V Nichols to Chester S Nichols ..... Apr. 10, 1922
Apr. 11, 1922—SE CLINTON AVE & Sherman St S 50 E 81.93 N 50 W 103, Alameda. William V Martin to A C Christensen ..... Apr. 8, 1922
April 10, 1922—SE BLAIR AVE AND El Cereta Ave S 63 E 56 N 60 E to pt beg, Piedmont. F J Theile to whom it may concern..April 3, 1922
April 10, 1922—W LAKESHORE AV 118 E Rand Ave, Oakland. Mrs G J Scrivani to McIntosh Bros... ..... March 30, 1922
April 10, 1922—N E-20th AND NW 22nd Ave NE 55xNW 100, Oakland. Rosa A Franks to Jos Flittner... ..... April 6, 1922
April 10, 1922—LOT 22 Map Subdivision Lake Merritt Park, Oakland. Esther M Sommarstrom to whom it may concern April 10, 1922
April 8, 1922—LOT 15 BLK "M" Map East Piedmont Heights, Oakland. Victor Guyot to whom it may concern ..... April 7, 1922
April 8, 1922—LOTS 19 AND 20 BLK "D" Map Broadway Terrace, Oakland. H C Pfrang to whom it may concern ..... April 8, 1922
April 8, 1922—NO. 1109 CALIFORNIA St., Berkeley. Dorothy M Brown to whom it may concern..Apr. 1, 1922
April 8, 1922—W LENOX 350 N Grand Ave., Oakland. Mrs Mary E Asture to H C Andresen..Apr. 3, 1922
April 7, 1922—NO. 3125 FILBERT ST., Oakland. Imperial Soda Water Co to Vernon E Thorp ..... April 7, 1922
April 7, 1922—E FIFTY-FIFTH AVE 200 S Foothill Blvd, Oakland. John R Palver to O R Johnson .... March 19, 1922
April 7, 1922—NO. 670 ROSAL AVE., Oakland. J D Fink to whom it may concern ..... April 5, 1922
April 7, 1922—LOT 29 BLK H Northbrae Terrace, Berkeley. P E Marquis to whom it may concern.. ..... April 6, 1922

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
April 12, 1922—LOT 8 BLK G Waterside Terrace, Alameda. E K Wood Lumber Co vs W A and W L Cosper $130.88
Apr. 11, 1922—LOT 2-½ BLK 163, Grayson Tract being No. 2738 9th St., Berkeley. D T Griffith vs W Roos and Gustaf Johanson ... $84.50
April 8, 1922—LOT 108 BLK "D" Map Meek Est Orchard, Eden Tp. Nels E Nelsen vs E J Perry... $300.37

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount
April 10, 1922—NW NINETEENTH Ave and SW line S P Co right of way SW 150 NW 176.97 SW 633.66 NW to Station 65 NW 73.47 SE 472.96, Oakland. C Frauneder, $101, I. William Stein, $703.22; Oakland Planing Mills, $1,096.60; W P Fuller Co, $561.27; John P Maxwell, 1,467.54; W H Picard, $401.01; E K Wood Lumber Co, $3,415.85; California Cotton Mills Co to A Schartzer Illuminated License Plate Co, E S Collins $811.50
April 7, 1922—NO 2908 MINNA AVE, Oakland. Howard Neihken Lumber Co to B Kingzett $185.10

HOMESTEADS

ALAMEDA COUNTY

April 12, 1922—N MAIN ST. at line dividing land formerly owned by E T Crane and land formerly owned J B Marlin NE 200xNW 300, Eden Tp. Mary T Crane (wf Emerson H) $3000
April 12, 1922—LOTS 10 AND 11 BLK 46, Map Petersen Tract, Hayward. Marie Lopes (wf Frank S)....$4000
Apr 11, 1922—NW SEVENTY-THIRD Ave 57 SW Lockwood SW 31xNW 98, Oakland. L M Houghton ..$4000
Apr. 11, 1922—SW PEARMAIN AND SE Quince SE 112-6 from pt beg SE 37-6xSW 100, Oakland. George E Ebert $250
Apr. 11, 1922—NE ALLENDALE AVE and SE Viola NE 100xSE 67, Oakland. Theodor and Jessie Molitor $5000
Apr. 11, 1922—LOT 48 and ptn Lots 49, 50, 51, 52, 53, Map North Side Park, Berkeley. Rose R Perez (wf J T Jr.) $4000
Apr. 11, 1922—N LINCOLN AVE 319-6 W Paru W 34-6xN 107-6, Alameda. Bernard Jacobs $3500
Apr. 11, 1922—NW THIRTY-EIGHTH Ave 383.22 SW Allendale Ave SW 33.22 NW 100.29 NE 35.045 SE 100, Oakland. Maude I Currier (wf F G) $3000
April 10, 1922—S AILEEN 177-6 E Lowell E 32-6xS 125, Oakland. Dora A Chase (wf P E) $5000
April 10, 1922—LOT 15 BLK 8, Map San Pablo Park, Berkeley. Thyra Josefina Tufvesson (wf John T) $4500
April 7, 1922—N SIXTY-THIRD 120 W Hillegass Ave W 40 N 138.31 E 40 S 138.26, Oakland. Francis F Allen $5000
April 7, 1922—N ½ LOT 1 BLK 1, Map Ppty John Kearney near State University, Berkeley. R W C Stutt. $5000

BUILDING CONTRACTS

FRESNO COUNTY.

$5,000 and Over Reported

FLATS
NO. 1302-8 N-VAN NESS AVE., Fresno Flats.
Owner—Dewey Kurkjian, 559 O St., Fresno.
Architect—None.
Contractor—Geo. Christian, 52 G St., Fresno $5200

DWELLING
NO. 2404 N VAN NESS AVE., Fresno. Dwelling.
Owner—Mrs. Ed. Hertweck, 2748 Fresno St., Fresno.
Architect—None.
Contractor—Howard Dickey, 150 Howard St., Fresno. $9000

DWELLINGS
NOS. 3740, 3746, 3752, 3758, 3764 and 3770 Belmont Ave., Fresno. Six dwellings.
Owner—J. L. Hagan, 3053 Grove St., Fresno.
Architect—None.
Day's work. $1500 each

DWELLING
NO 4047 HUNTINGTON BLVD., Fresno. Dwelling.
Owner—O. D. Atkins, 3338 Lowe St., Fresno.
Architect—None.
Day's work $7000

DWELLING
NO 3859 PLATT AVE., Fresno. Dwlg.
Owner—J. E. Cregor, Fresno.
Day's work $5000

DWELLING
NO. 246 FRESNO ST., Fresno. Dwelling.
Owner—Linge Lewini, Fresno.
Architect—None.
Contractor—Prichard Bros., 623 Ferger St., Fresno. $5000

ADDITION
NO. 945 E ST., Fresno. Addition to sanitarium.
Owner—Fresno Sanitarium Co., Fresno.
Architect—None.
Contractor—J. R. Church, 221 N U St., Fresno. $6127

DWELLING
NO. 230 FRESNO ST., Fresno. Dwelling
Owner—John B. Perenchio, Fresno.
Architect—None.
Contractor—Prichard Bros., 623 Ferger St., Fresno. $5000

DWELLINGS AND GARAGES
NOS. 1211 AND 1219 OLIVE AVE., Fresno. Two dwellings and garages.
Owner—K. C. Buwalda, Fresno.
Architect—None.
Day's work. $3500 each

STORE
NO. 2005 N VAN NESS AVE., Fresno. Store.
Owner—J. T. Bedig, Fresno.
Architect—None.
Contractor—Carl D. Hovsepian, 640 L St., Fresno. $8000

STORE, ETC.
LOTS 17, 18 AND 19 BLK 49, Fresno. Store and lodging house.
Owner—E. W. Walrond.
Architect—E. Mathewson.
Contractor—W. H. Minard, 319 Abbey St., and W. G. Casteel, 144 Effie St., Fresno.
Filed Apr. 6, '22. Dated Apr. 5, '22. Monthly payments of..... 75% Usual 35 days..... Balance
TOTAL COST, $30,997
Bond, $15,498. Sureties, D. A. Moore and J. M. Brown. Limit, 90 working days. Forfeit, $15 per day. Plans and specifications filed.

DWELLING
NO. 3034 FLORADORA ST., Fresno. Dwelling.
Owner—J. D. Wofford, Bernice Apts., Fresno.
Architect—None.
Day's work. $6000

ROOMING HOUSE
MARIPOSA AND F STS., Fresno. Store and rooming house building.
Owner—E. A. Walrond, 2809 Fresno St., Fresno.
Architect—None.
Contractor — Minard & Casteel, 319 Abby St., Fresno. $30,997

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
April 8, 1922—LOT 6 BLK 23, Alta Vista Tract, Fresno. Carl F Ahlberg to whom it may concern.....April 8, 1922
April 10, 1922—E 18 FT. LOT 27 and Lot 26, Speedway Tract, Fresno. L L Miller to whom it may concern.....April 8, 1922
April 6, 1922—LOTS E, 17th to 21 Blk 14, Reedley. Reedley Post No. 35, American Legion to whom it may concern.....April 5, 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount
April 8, 1922—LOTS 1 AND 2 BLK 51, K. B. Heights, Fresno. L Rosenberg vs Jim Peluso.....$240
April 8, 1922—LOT 10 BLK 4, Hughson Heights, Fresno. L Rosenburg vs E G Hughson and R D Hibber.....$159
April 8, 1922—LOTS 22 TO 24 BLK 2, Lincoln Terrace, Fresno. L Rosenberg vs O G Scott et al....$207
April 8, 1922—LOTS 21 AND 22 BLK 2, Recreation Park, Fresno. L Rosenberg vs Lou Norton et al..$112
April 8, 1922—LOT 4 BLK 2, Roosevelt Heights, Fresno. Fresno Elec Co vs Nels N Nelson.....$624
April 7, 1922—PTN SEC. 27, 14-21, Fresno. Henry J Hockelberg vs Z Najarian $350
April 6, 1922—N ½ OF SE ¼ OF NE ¼, S ¼ of NE ¼ of NE ¼ of Sec. 27, 14-21, Fresno. Peter O Hatam vs Z Najarian $357
April 6, 1922—LOT 17 BLK 119, Fresno. Mandary's Planing Mill vs K Mandroian, A Hagopian and M Alekian $63
April 6, 1922—LOT 17 BLK 119, Fresno. Swastika Lumber Co vs K Mandrolan ,A Hagopian and M Alekian $496
April 6, 1922—LOTS 5 AND 6 BLK 98, Fresno. Swastika Lumber Co vs K Mandroian and A Hagopian.....$766

BUILDING CONTRACTS

SANTA CLARA COUNTY.

$1,000 and Over Reported

CITTAGE
SIXTEENTH near William, San Jose. Six-room cottage.
Owner—W. A. Dunlap, 163 S 8th St., San Jose.
Architect—None.
Contractor—H. W. Dangerfield, 51 S 22nd St., San Jose. $5000

COTTAGE
SEVENTEENTH AND EMPIRE, San Jose. Five-room cottage.
Owner—G. Leone.
Architect—None.
Day's work. $3000

ADDITION
SANTA CLARA AND TENTH, San Jose. Addition.
Owner—R. Wendt, 420 S 15th St., San Jose.
Architect—None.
Contractor—H. A. Bridges, 725 S 7th St., San Jose. $1200

COTTAGE
SHORTRIDGE AND THIRTY-THIRD, San Jose. Four-room cottage.
Owner—W. B. Reese, 93 N 33rd St., San Jose.
Architect—None.
Day's work. $1500

COTTAGE
NO. 950 S THIRD, San Jose. Six-room cottage.
Owner—Mrs. C. Krell.
Architect—None.
Contractor—Theo. Piehn, 944 S 3rd St., San Jose. $3000

APARTMENTS
TENTH AND SAN CARLOS STS., San Jose. Two-story apartment house
Owner—E. W. Benthein, 449 W-San Fernando St., San Jose.
Architect—H. W. Higbie, Porter Bldg., San Jose.
Contractor—E. Nommensen, 134 S-8th St., San Jose. $20,000

STORE
900 BLOCK S-FIRST ST., San Jose. Small Store.
Owner—R. Liquori, 995 First St., San Jose.
Architect—None.
Contractor—W. Phillips, 276 N-33rd St., San Jose. $1800

COTTAGE
NO. 965 E-SANTA CLARA ST., San Jose Five-room cottage.
Owner—W. J. Bigger, 104 S-24th St., San Jose.
Architect—None.
Day's work. $4500

COTTAGE
MARTHA AND THIRD STS., San Jose. Three-room cottage.
Owner—Geo. W. Dobson, 547 S-Third St., San Jose.
Architect—H. W. Higbie, Porter Bldg., San Jose.
Day's work. $2500

SHED
N-FIRST ST. near R. R., San Jose. Work shed.
Owner—Security Warehouse, 350 N-1st St., San Jose.
Architect—None.
Contractor—F. L. Hoyt, 566 N-16th St., San Jose. $1100

COTTAGE
NO. 1177 SHERMAN ST., San Jose. Four-room cottage.
Owner—Wm. H. O'Neil, 500 N-15th St., San Jose.
Architect—None.
Day's work. $2400

COTTAGE
NO. 97 HUMBOLDT ST., San Jose. Four room cottage.
Owner—Wm. H. O'Neil, 500 N-15th St., San Jose.
Architect—None.
Day's work. $2400

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
April 3, 1922—ROSE LAWN TRACT, San Jose. Joe Felch to E G Finlay .....April 1, 1922
April 4, 1922—GIFFORD TRACT, San Jose. Joseph Francesconi to A J Nielsen.....March 27, 1922
April 4, 1922—S-SEVENTH ST., San Jose. Sye Johnson to Geo W Dobson.....April 3, 1922
April 4, 1922—NELSON TRACT NO. 1, San Jose. Alfred Keast to whom it may concern.....April 1, 1922
April 8, 1922—SAN JOSE. John L Gossett to E E Weldon..April 6, 1922
April 8, 1922—LOCUST ST., San Jose. J E Rooker to Jerome Garcia.....April 3, 1922
April 8, 1922—SAN JOSE. Joseph Frances to whom it may concern .....April 6, 1922
April 8, 1922—SAN JOSE. B W Spaulding to whom it may concern .....April 4, 1922

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BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 and Over Reported

ALTERATIONS
NO. 315 TWENTIETH ST., Sacramento. Move house from No. 110 P St. and construct flat underneath (6 rooms)
Owner—W. H. Basler, Route 3, Box 4, Sacramento.
Architect—None.
Day's work. $3000

FLATS
NO. 1205 U ST., Sacramento. Two-story 3-flat building.
Owner—Peter Sorensen, 13th St., bet. R and S Sts., Sacramento.
Architect—None.
Contractor—M. A. Fratis, 1728 S St., Sacramento. $6600

DWELLING
NO. 4116 SHERMAN WAY, Sacramento. One-story 5-room dwelling.
Owner—F. O. Noel, 3023 Sacramento Blvd., Sacramento.
Architect—None.
Day's work. $2600

DWELLING
NO 1528 THIRTY-SEVENTH ST., Sacramento. One-story 5-room dwelling and garage.
Owner—H. L. Swain, 805 N St., Sacramento.
Architect—None.
Contractor—A. L. Johnson, 2605 Portola Way, Sacramento. $3865

DWELLING AND GARAGE
NO. 4307 U ST., Sacramento. One-story 5-room dwelling and garage.
Owner—G. T. Landis, 3417 2nd Ave., Sacramento.
Architect—None.
Day's work. $2500

DWELLING AND GARAGE
NO. 2810 O ST., Sacramento. One-story 5-room dwelling and garage.
Owner—Geo. E. Rouleau, 2109½ J St., Sacramento.
Architect—None.
Day's work. $3000

ALTERATIONS
NO. 2818 I ST., Sacramento. Remodel into 4 flats (4 rooms each).
Owner—Geo. M. and Mrs. Crocker, 2818 I St., Sacramento.
Architect—None.
Contractor—J. W. Brown, 3216 S St., Sacramento. $7340

DWELLING
NO. 1401 FORTY-SECOND ST., Sacramento. One and one-half-story 6-room dwelling and garage.
Owner—Wm. J. Keith, 26th, M and N Sts., Sacramento
Architect—None.
Contractor—J. T. Ransdall, 1055 41st St., Sacramento $7520

FLATS
NO. 1810 H ST., Sacramento. Two-story building (4 flats 3-room each) and garage.
Owner—Ben Leonard Co., Sacramento.
Architect—None.
Contractor—A. E. Erickson, Rte. 3, Box 29, Sacramento. $9982

DWELLING
NO. 856 MISSION WAY, Sacramento. One-story 4-room dwelling.
Owner—Earl A. Lycke, 856 Mission Way Sacramento
Architect—None.
Contractor—L. F. Gould, 600 Ventura Ave., Sacramento $3000

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
April 7, 1922—LOTS 26 AND 27 Sub. of Lot 2809, Sacramento Heights, Sacramento. A W Clifton to whom it may concern.....April 1, 1922

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

$2,500 and Over Reported

RESIDENCE
REGENT ST., Stockton. Residence and garage.
Owner—Jas. R. McFarland, Stockton.
Architect—None.
Day's work. $5000

BUILDING
LOT 12 BLK 29, East of Center St. Stockton. Building.
Owner—V. A., John J., A. F. and J. G. Gardella, 1125 N-Pilgrim St., Stockton.
Architect—None.
Contractor—C. J. Powell and C. W. Medbury, 613 W-Flora St., Stockton. $42,200
Filed Apr. 6, '22. Dated Apr. 5, '22.

STORE AND LODGING HOUSE
E LAFAYETTE ST., Stockton. Store and lodging house.
Owner—Gardella Bros., Stockton.
Architect—None.
Day's work. $42,200

STORE
EAST LAFAYETTE ST., Stockton. Store.
Owner—M. F. Keith, 1325 N-Center St., Stockton.
Architect—None.
Day's work. $7000

RESIDENCE
WEST ELM ST., Stockton. Residence.
Owner—Miss E. La Veau, 416 S American St., Stockton.
Architect—None.
Day's work. $3600

BUILDING CONTRACTS

SAN MATEO COUNTY

BUNGALOW
LOT 1 PARTRIDGE VILLA SITE near Menlo Park. All work except plastering, plumbing, electrical work, hardwood floors and painting for 5-room bungalow.
Owner—August Gigling, 287 Lily St. San Francisco.
Architect—None.
Contractor—Chas. E. Morris.
Filed Apr. 5, '22. Dated Apr. 5, '22.
Frame completed .....
Window casing and roof completed
Interior hardwood, windows, door and mill work completed.....
Usual 35 days.....
TOTAL COST, $2950
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

CHURCH
COR. WEBSTER AND JEFFERSON Sts., Redwood City. All work for church building
Owner—First Congregational Church, Redwood City.
Architect—Will H. Toepke, 942 Market St., San Francisco.
Contractor—Guss Waller, Redwood City
Filed Apr. 7, 22. Dated Mar. 21, '22
Present building moved, foundation in and rough lumber on ground $4549.90
Frame up 4549.90
Building enclosed and ready for plaster 4549.90
Exterior and plastering completed 4549.90
When completed 4549.90
Usual 35 days..... 7916.50
TOTAL COST, $30,666.00
Bond, $5333. Sureties, W. P. Gray and Z. T. Florning. Limit, completed before Sept. 1, 1922. Forfeit, none. Plans and specifications filed.

DWELLING
LOT 9 BLK 31, Garden City Extension Homestead, about Colma. All work for dwelling.
Owner—Guisepe Demattei.
Architect—None.
Contractor—R. McDonald.
Filed Apr. 8, '22. Dated Mar. 16, '22.
Roof on $1200
Completed 1200
5 days after..... 680
TOTAL COST, $3080
Bond, none. Limit, 60 days. Forfeit, plans and specifications, none.

BUNGALOW
LOT 3 BLK "E" San Mateo Heights, San Mateo. All work for one-story bungalow and garage.
Owner—W. E. and Alice Gaines, 99 Stillman St., San Francisco.
Architect—None.
Contractor—C. H. Pessett Bldg., Co. 660 Market St., San Francisco.
Filed Apr. 10, '22. Dated Apr. 8, '22
Frame up $1531.25
Brown coat plaster on..... 1531.25
Completed 1531.25
Usual 35 days..... 1531.25
TOTAL COST, $6125.00
Bond, $3000. Sureties, Royce O. Kinsuy and Stanley Kelly. Forfeit, limit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
April 7, 1922—LOT "I" BLK 6, Burlingame Terrace No. 2, Burlingame F H Neller to whom it may concern .....April 5, 1922

BUILDING CONTRACTS

CONTRA COSTA COUNTY

DWELLINGS
W TWENTY-THIRD bet. Barrett and Roosevelt Sts., Richmond. Two one story frame dwellings.
Owner—C. A. Fisher, Cor. Dwight and Telegraph, Berkeley
Architect—None.
Contractor—E. L. Hiteman, 1217 Cornell Ave., Berkeley. $4600 each

DWELLING
SW BISSELL AND SIXTEENTH STS., Richmond. One-story frame dwlg.
Owner—H. McLaughlin, 621 7th St., Richmond.
Architect—None.
Contractor—F. J. Miller, 611 Elm St., El Cerrito, Calif. $3700

ALTERATIONS
W WASHINGTON ST. bet. Richmond and Nichol, Richmond. Remodel for hall.
Owner—Point Richmond Masonic Temple Association
Architect—None
Contractor—P. M. Sanford, P. O. Box 1061, Richmond. $2000

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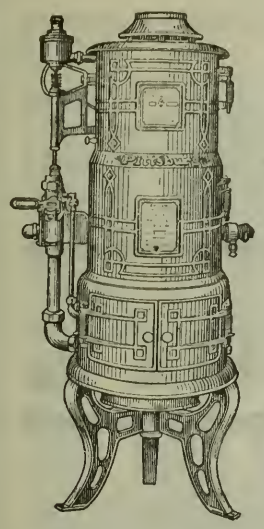

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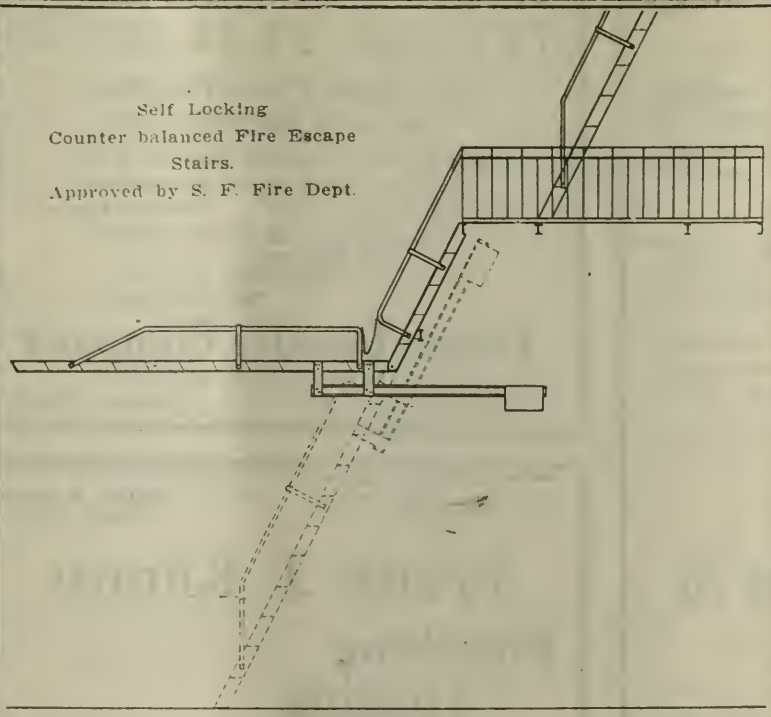

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Publication Office
560 Mission Street

SAN FRANCISCO, CALIF., APRIL 22, 1922

Published Every Saturday
Twenty-second Year No. 16

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday | SAN FRANCISCO, CALIF., APRIL 22, 1922 | Twenty-second Year No. 16

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San Francisco, Calif.

MRS. L. A. LARSEN, Publisher

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Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

SOCIETY OF CONSTRUCTORS OF FEDERAL BUILDINGS ELECT OFFICERS

Word has just been received from Hon. Alfred Brooks Fry, of New York City, past president, that the following are the newly elected officers of the Society of Constructors of Federal buildings: president, Nelson S. Thompson, of Washington, D. C., author of the well-known text-book on Mechanical Equipment for Federal Buildings; first vice-president, Wm. Arthur Newman, of San Francisco, architect; second vice-president, Julian Morton, of Washington, D. C., Inspector of Public Buildings; treasurer, Wm. Y. Brady, of Washington, of the Supervising Architect's Office of the Treasury; secretary-editor, H. G. Richey, of Prescott, Arizona, author of the standard handbook on building superintendence, prescribed by the Calif. State Board of Architecture.

The membership of this Society is actively engaged in the construction of federal buildings, and has members in all the larger cities of the United States.

As large expenditures are to be made for federal buildings ond the Pacific Coast this year, running into many millions, the Society will be invited to hold its next meeting in San Francisco.

PLUMBERS WILL CONVENE AT SACRAMENTO

The annual convention of the State Association of Master Plumbers will be held in Sacramento, May 22-24, according to Wm. M. Mott, Jr., secretary of the Master Plumbers' Association of Sacramento. The most capable men engaged in the plumbing and heating business will talk on topics for the betterment of the industry. The convention will close with a picnic at Colma, on May 25.

AMERICAN PLAN MOVEMENT LOOMS IN FRESNO

The first definite and authenic information to the public regarding plans of the organization which rumor says is about to declare Fresno an open shop city will be given through a formal statement to the press within the next few days, according to an announcement made by O. L. Everts, Fresno attorney.

That the organization, generally understood to be fostering the American Plan was on the eve of declaring for the open shop has been understood for several days, but Everts declares he had not understood that any definite date had been set for putting the new regime into effect.

Street gossip says June 1, is the date under discussion, and most likely to be contained in the formal proclamation of the American Plans organizers if any definite date is mentioned.

In the meantime, according to Everts and others who are understood to be behind the movement, there is nothing for publication regarding the organization and its plans.

Gossip says that there are two wings to the American Plan organization. One of these, it is reported, stands outright for open shop, no union men employed, and a battle to the death with unionism in all its ramifications. The other wing, says gossip, is opposed to a drive intended to wipe out the unions, but demands that union rules shal be radically changed in regard to working conditions and methods of remedying what employers refer to as 'abuses" of unionism.

That organizers of the American plan have been working throughout the city is known, and claims were heard yesterday that with the exception of some three or four big industries, the organizers had met a cordial reception from employers.

The American plan was actively promoted some months ago, and a number of meetings were held, which drew representative employers from many Fresno industries. Premature publicity is reported to have disrupted the plans of the organizers, and until very recently the whole matter has been regarded as quiescent, if not actually extinct.

One rumor says that the Fresno organziation would approach the open shop declaration more diplomatically than employers in Bakersfield. In the latter town, mailed instructions notified members of the open shop organization to ascertain the number of employes willing to work with non-union crattsmen, and to discharge all men who declared their unwillingness to work under those conditions. Gossip says that the Fresno plan will approach its object with less suggestion of hardship, and that employers will merely give preference to non-union help where a vacancy occurs.

The course of action which it is rumored will be put into effect here will, it is pointed out, force the unions to make the first break in the ranks employment.

But all these rumors and reports are purely speculative, based on bits of gossip dropped here and there by those whose names have been connected with the movement. Beyond the statement by Everts of the forthcoming announcement, the men who are connected with the American plan organization have maintained complete silence.

S. F. BUILDERS' EXCHANGE HOLDS ANNUAL BANQUET

The building fraternity may be having differences to settle with the labor unions and obstacles may exist hindering the progress of the construction program due to labor troubles—but these matters were forgotten at the thirty-first annual banquet of the San Francisco Builders' Exchange, held in the Palace Hotel, Wednesday evening, April 19.

The thirty-first annual banquet will go down in the records of the organization as the most successful affair undertaken by the building interests of this vicinity in a good many years.

It was a royal evening—a splendid table, high-class entertainment and capable speakers. Goodfellowship reigned supreme.

In addition to members of the construction industry from San Francisco and Oakland representatives from various exchanges in the state were present. Among the exchanges represented were: San Diego, Los Angeles, Bakersfield, San Jose, Richmond, Petaluma, Stockton, Eureka, Fresno, Oakland, Vallejo, Sacramento, Marysville and Santa Cruz.

Considerable applause was caused through an announcement by W. H. George, president of the exchange, that the San Francisco Builders' Exchange with 1100 members is the largest in the United States. New York followed second with a membership of 900.

Chas. W. Gompertz, toastmaster, delivered a short address outlining the advantages of the American Plan and the work of the Industrial Association.

Mayor James Rolph spoke on "San Francisco;" Atholl McBean on "How the Chamber of Commerce Became Interested in the Building Industry; Warren McBryde on "The Necessity of Perpetuating the Industrial Association;" John S. Partridge on "Relation of the Cartwright Law to the Builders' Exchange;' and Max Kuhl on the "Necessity of Organization."

Musical numbers were rendered by Emile J. Cardinal; Noma Campbell; Margarita Fry Silvey, and Len Barnes.

CALIFORNIA CONGRESSMAN WILL ASK $80,000,000 FOR COLORADO DAM

Realizing that years may elapse before the Colorado River Commission, appointed by Congress, concludes its deliberations, Congressman Phil. D. Swing of Imperial Calif., announces he will introduce a bill authorizing the United States Reclamation Service to build a dam at Boulder canyon on the Colorado river at an estimated cost of $50,000,000, and a connecting All-American canal at an estimated cost of $30,000,000 to irrigate and reclaim threo hundred thousand acres in Imperial county and Coachella on the Colorado desert.

Swing has gone over the subject with Reclamation Chief A. P. Davis and Secretary of Commerce Hoover and says he believed the bill authorizing the work will pass at this session of Congress, leaving appropriations to be made at the next session when the work starts.

The proposed Boulder canyon dam will be the highest in the world—820 feet, or fifty feet higher than the Washington monument—and will develop 600,000 primary electric horsepower, several times as much as Muscle Shoals.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

An elaborate analysis of the building permits issued by United States cities in 1920, have just been completed by the Bureau of Labor Statistics, according to "Index," a statistical service issued by the Associated General Contractors of America. A survey of 196 cities shows the sum of $1,204,000,000 expended for thirteen classes of buildings. These structures classified by percentage of total cost follow: houses, 28.5%; factories and warehouses, 16%; stores, etc., 12%; office buildings, 11%; garages, 8%; schools, 4%; amusement places, 3.5%; hospitals, 2%; churches, 1.5%; public buildings, 1%; clubs, hotels, etc., 25%; apartments, 6%; all others, 4%. These figures show twice as much money is spent for garages as for schools and more than twice as much for amusement places as for churches. Another feature of the figures compiled by the Bureau shows how $1,214,000,000 was spent in 207 cities for five kinds of construction. A little more than one-quarter was spent for wooden buildings and almost three-quarters on buildings which have some fire-resisting qualities. Brick and hollow tile buildings consumed 43% of the total expenditure; wooden buildings, 26.5%; steel skeleton buildings, 16%; concrete, 13%; stone and miscellaneous buildings, 1.5%.

A branch of the Western Loan and Building Company of Salt Lake City, has opened in Richmond. C. E. Clark has been elected president of the Advisory Board. Other members named on the board are: E. J. Burg, vice-president; M. A. Hays, secretary-treasurer; J. I. Collins, K. J. Henning, H. Stucksted, J. S. Richn, A. Nelson, A. T. Swanson and J. H. Chandler. The local organization has twenty-eight charter members, all stockholders in the company. The company is capitalized at $50,000,000.

E. A. F. Carson, Richmond contractor, has filed a petition for bankruptcy with the referee in Oakland. The liabilities amount to $10,297, and the creditors include the Tilden Lumber Company, E. A. Marshall, estate of the late Charles H. Bates, all of Richmond; H. L. Penry, of Santa Rosa, Petrium Products Company, of Berkeley, Chamberlain & Osgood, of Oakland; and O. W. Pike & Company. The Tilden Lumber Company is the largest creditor, holding about $9,000 worth of bills.

Two prominent Japanese engineers from Formosa will arrive in San Francisco next week on the T. K. K. liner Taiyo Maru, to study machines and engineering in California, according to advices received from the American consul at Taihoku by E. G. Babbitt of the bureau of foreign and domestic commerce. Yoichi Hatta is chief engineer for the Kanan Irrigation Association at Kagi, Formosa. Nobuichi Kuranari is mechanical engineer for the public works department of the Formosan government at Taihoku.

According to figures of the National Electric Light Association, operating electric lighting companies in the United States in 1921 totaled 5654, of which 3662 are privately owned and 1992 municipally owned. Privately owned companies have 1,600,000 stockholders, more than 250,000 employes, serve 14,467 cities and towns and have an actual investment of $4,600,000,000 with an aggregate gross income of $933,950,000. The produced more than 97 per cent of the total energy generated in 1921 supplying approximately 8,467,000 customers.

The Lane Window Co., Inc., of San Francisco, organized to manufacture an adjustable and sliding type window, has been authorized by the State Corporation Department to sell 1000 shares of its capital stock at par $100 for cash, and to issue to its five incorporators 10 shares of stock. Thereafter when stock is sold to the public to issue to the incorporators a like number of shares, but not exceeding 1010. The 1010 shares to be issued to the incorporators are to be deposited and held as an escrow.

Building operations in Bakersfield are hanging in the balance on the action to be taken by the Bakersfield Builders' Exchange and the Industrial Association of that city which two organizations announce they will temporarily close down all building jobs in the city if union workers refuse to work with non-union men. Following a special session of the Executive Committee of the Building Trades Council, union officials announced that union men would be pulled off of jobs when non-union workers are employed.

The Southern Pacific Company has been authorized by the Railroad Commission to publish a reduction of 20 cents per ton on cement, carloads, from the cement producing point of Davenport, Chittenden, San Juan, Cement, Napa Junction and Tolenas, to Livermore, Lyoth and intermediate points. Similar reductions have been authorized from Cowell in connection with the Atchinson, Topeka & Santa Fe and Western Pacific railroads, to include Sunol and Pleasanton.

Aero Paint Equipment Co., Inc., of Richmond, organized for the purpose of manufacturing and selling air brushes and parts, has been authorized by the State Corporation Department, to issue 5 shares to L. A. Pockman, in exchange for services rendered, and to sell 195 shares to L. A. Pockman, C. B. Kenney, Mark Edmund Smith, Charles Co. Renwick, F. A. Tittemore and T. H. DeLap. The 5 shares issued to Pockman are to be escrowed.

Articles of incorporation have been filed at Martinez by the Bay Cities Home Builders, a corporation organized for the purpose of building homes, buying and selling land, and lending money for building purposes. Company is capitalized at $1,000,000. Directors are: E. M Downer of Pinole; B. Shapiro, C. G. Dahl, Geo. Wagner and W. K. Powell of San Francisco, each of whom are subscribed one share of stock.

Following officers have been elected by the Sacramento Builders' Exchange for the year: A. W. Norris, president; W. B. Scollan, vice-president; Oscar Miller, treasurer; C. H. Johnson, secretary. The officers, with the following compose the Board of Directors: Frank Dixon, Carl Vining, W. J. Clifford, L. H. Chapman, O. R. Earle, Ira Boss, J. R. Wilson and G. A. Bertolucci.

The State has completed a deal for the purchase of 400 acres of redwood timber land along the south fork of the Eel river, near Miranda, Humboldt county. The tract adjoins the state highway and was purchased for $70,000. The deal is the largest completed since the appropriation by the last legislature for funds to purchase redwoods for the State. The timber on the tract is estimated at 23,000,000 feet.

The April 15 issue of the "Nevada Highway News," issued bi-weekly by the Nevada State Highway Department, Geo. Borden, highway engineer, is off the press. Articles featured in the issue are: Federal Aid Bill Passes Senate; Highway Improvement Through Cities and Towns; Grade-Crossing Elimination and Highway Location and Design.

Permits for electric installation in the city of Oakland for the month of March broke all previous records by more than 100, according to Carl Hardy, city electrical inspector. The total number of permits issued for the month was 805. The biggest previous month was for a period prior to the war when the number of permits issued in one month reached 700.

More than 2500 realty dealers will attend the convention of the National Association of Real Estate Boards to be held in San Francisco, May 30 to June 3, according to Thos. S. Ingersoll, secretary of the organization. Among the important matters to be considered is the housing question and the renting of homes and apartments.

The Interstate Commerce Commission has ordered many railroads to maintain equal freight rates on face, fire and paving brick, hollow building tile and other specified clay products, except common brick, from and to all points in the U. S. east of the Rocky mountains. The order applies to carload shipments not exceeding 60,000 pounds.

Sauk River Lumber Co., with headquarters in Everett, Wash., has been incorporated with a capital stock of $300,000. A. H. Jordan and Neil C. Jamison are incorporators. Jamison is president of the Jamison Mill Co., of Olympia, and Jordan is vice-president of the Everett Pulp and Paper Company.

More than $21,000,000 has been realized from the sale of lands and timber from the original grants to the state by the Federal government, according to figures made public by Clark Savidge, state land commissioner of Washington.

The Hampton Electric and Machine Co., formerly located at 520 Mission street has moved to 525 Howard street, San Francisco.

The Oakland city council is planning to pave Telegraph avenue from 52nd street to the Berkeley city limits.

ALONG THE LINE

The Schecter Pipe Works of San Francisco, manufacturers of pipe and foundry products, has leased seven acres of ground adjacent to the National Lead Company's plant at the foot of Forty-seventh to Fiftieth Aves., and will construct a modern foundry and machine shop.

Probably the most complete irrigation field laboratory in the West will soon be in operation at the University of California Farm at Davis. The laboratory will be equipped to test and demonstrate practically all of the standard irrigation equipment and methods.

Standard Industrial Engineering Corp., of San Francisco, awarded contract to construct approximately 11 miles of highway in Monterey county, the San Lucas-Long Valley unit of the state highway system.

James Dean, architect, has been commissioned by Sacramento city commissioners to draw up zoning ordinance. An appropriation of $500 has been made to cover the expense of the work.

S. S. Herrick Co., manufacturers of structural steel has purchased the entire block on the west side of Campbell St. from 17th to 18th Sts., Oakland, and will erect a new plant.

The C. F. Ruggles lumber interests at Jackson, Amador county, will cease operations in the immediate future as leases on tracts being worked are near expiration.

Moe-Bridges Co., manufactures of electrical fixtures, has opened a branch office at 933-935 Mission street, San Francisco, with B. J. Wildman in charge.

The Orange County Rock & Gravel Co. will have its new $95,000 plant at Orange in operation by May 1, according to President Glenn Wright.

M. L. Hutchinson, has been appointed building inspector of Monrovia, Calif., to succeed W. E. Clemmons, who resigned to engage in private business.

Building permits issued in Bakersfield for the month of March totaled 64, representing construction totaling $153,585.

W. E. Bedesen, engineer of Merced, has announced himself a candidate for the office of surveyor of Merced county.

Leon C. Schwartz, contractor of Sparks, Nevada, was killed in an auto accident April 15.

Bids to improve thirty-four blocks of streets will be considered by the city trustees of Merced on May 8.

BRICK ROADS 100 YEARS OLD STILL IN SERVICE

The longest records for paved roads have always been held by brick, and some of them are truly remarkable. According to a writer in The American City of New York, good brick roads over a hundred years old are common in Holland. No such record as this exists in the United States, for the simple reason that brick roads were not laid in this country a hundred years ago. There are some, however, with over a generation of service, which are still in good condition. At Carbondale, Pa., is a brick road 32 years old; Alliance, Ohio, has one 31 years old; Olean, N. Y., 25 years and Sedalia, Mo., 29 years.

The experience of Holland with brick pavements goes back to the time of Napoleon. This country also makes use of clay products in other building work. A frame house in Holland is as rare as a nice day in April and brick are used everywhere, for the house, for the walks, as fences; it is by far the most popular building material.

The American City says: "The paving brick with which the old roads were built was made of surface river clay, sanded and close set in up-draft kilns with permanent side walls and large arches underneath for the burning of peat. The brick were brought to the vitrification point in the center and heated to a degree which made them so soft that the openings between them as set were completely filled in. The brick retained their shape by mutual support, and their separation was possible only because of the sand which was used in setting them.

"This type of brick proved to be a very good paving material and paving was done at a very low cost, not to be compared with that of American brick paved roads involving foundations, fillers, and so forth.

"Some of the brick roads are 200 years old. This type of road in Holland was begun in sandy soil districts, where traffic on the natural soil was otherwise impossible. A large number of these roads built during Napoleon's time are still in existence and in good condition."

FRESNO BEE TO ERECT BUILDING

FRESNO, April 15.—The Fresno Bee will appear as a new afternoon newspaper in Fresno as soon as a three-story and basement reinforced concrete building can be constructed. L. F. Starks, Ochsner Bldg., Sacramento, is the architect and George Hudnutt, California Fruit Bldg., Sacramento, the contractor.

Its publishers will be V. S. and C. K. McClatchy, who under the firm name of James McClatchy & Co., also publish the Sacramento Bee. Announcement was made today that options had been closed upon a site at Van Ness Avenue and Calaveras Street, one hundred and twelve by one hundred and fifty feet ,the present buildings upon which will be removed, with excavation and construction work to start immediately thereafter.

J. V. McClatchy, Assistant Business Manager, and Carlos K. McClatchy, Assistant Editor of The Sacramento Bee, will be Business Manager and Editor, respectively, of the new publication.

The announcement followed a two months' investigation conducted by representatives of James McClatchy & Co., into the opportunity Fresno offers for the publication of a paper like The Bee. Careful examination was made into agricultural, financial and commercial conditions, with the result that a favorable decision was arrived at and formally announced today.

ALAMEDA COUNTY BUILDERS WILL DISPLAY MATERIALS AT SHRINE SHOW

From April 24th to April 29th, Oakland is to have a big building show in its Auditorium. There is to be an extensive exhibit of all lines of building materials which will occupy a considerable floor space in the auditorium during the Shrine Mardi Gras Week. All kinds of modern building devices, fixtures and materials will be shown and it is expected the "Build Now Movement" will be given an additional impetus.

This Oakland show is in line with the similar affair pulled off by the Shrine in San Francisco Auditorium last year, and is for the same purpose, namely, to create additional entertainment funds for the forthcoming Shrine convention.

In the center of the main auditorium floor are a few select booths, and the Builders' Exchange of Alameda county has reserved one of these for its use as headquarters. Mr. H. J. Christensen, assisted by Mr. Marshall E. Hopper, is Chairman of the Reception Committee, and is arranging for a Committee of six members to be present each evening. Literature of the building movement will be passed out at the booth and the Builders of Alameda county will be made welcome. The booth is known as Number 54, and is on the left hand side of the main entrance. The building fraternity is asked to make note of this booth and to pay it a visit when they go to the big show.

Mr. W. G. Thornwally is Chairman of the Exhibit Committee and has been very active in bringing the material and specialty firms to exhibit their lines during the Mardi Gras Week.

S. P. CUTS RATES ON EXPORT GOODS

Material reductions in trans-continental freight rates from the East on shipments for export through Pacific Coast ports are announced by the Southern Pacific Railroad, effective April 13.

The terminal charge of ten cents a 100 pounds on consolidated carload shipments to the Orient and foreign ports over more than one ocean line has been cut in half.

A rate of $1.15 has been published on boilers from Pittsburg and West to Pacific Coast ports. The rate of 30 cents a 100 pounds on iron and steel articles will be published from Ogden and Salt Lake City to Coast ports only when for export.

The current rate on granulated slag will be revised to 40 cents on 60,000 pounds minimum weight exports from Colorado points, and 50 cents 50,000 pounds minimum weight exports from Chicago, Birmingham district and Mississippi River. Iron or steel railway cars K. D. will have a 60-cent rate from Chicago and West and the Birmingham district and Pittsburg, and 46 cents from Minnequa, Col., to Coast ports.

SAFETY ENGINEERS OF STATE ELECT OFFICERS

W. A. Chowen, manager of the California Insurance Rating Bureau, has been re-elected president of the Society of Safety Engineers of California. William S. Wollner, general safety agent of the Northwestern Pacific railroad company, was elected vice-president. Following are the rest of the officers: S. Malatesta, supervising safety engineer of the Mutual Liability Insurance company, secretary, and J. J. Donohue, Aetna Insurance company treasurer.

BUILDING INTERESTS OF SACRAMENTO TO FEATURE PRODUCTS AT SCIOTS' EXPOSITION

Sacramento contractors, builders, material men and architects are enthusiastic over the plans for a building and architectural exhibit which will be one of the features of the Industrial Exposition now being planned for Sacramento by the Sciots Lodge of that city.

Frederick S. Harrison, Sacramento architect, who has been placed in charge of display, by a committee of builders, announced that fifty-four spaces, each eight by ten feet, have been reserved for the exhibit which is planned for the purpose of further encouraging home building and building generally in Sacramento and vicinity.

The clay products manufacturers already are preparing displays, of their products, Harrison states, and Sacramento people will be given an opportunity to see some of the local products which won such high praise recently at a building exposition in Chicago.

Sacramento architects are expected to display drawings of their work from their college days up to the present time with exhibits of plans of buildings completed under their supervision, and photographs of finished buildings. The architects are determined to make the display educational in nature, demonstrating the assembling together of materials into a completed building.

The master plumbers and master brick masons of Sacramento also have promised their co-operation in making the building display a big success. Besides architectural plans and drawings, clay products, plumbing and electrical fixtures, lumber, and all the various building materials will be shown. The display is planned along the lines of the recent building and architectural exhibit which proved such a success in Stockton.

The committee in charge of the display is composed of A. W. Norris, Harold Dixon, P. F. Reed, Joseph Saunders, Frederick S. Harrison, Charles Johnson, Thomas Cain and F. E. Conner.

OREGON IS TO GET 500 MILES OF FOREST ROAD

United States forest service this year in Oregon will build 500 miles of road, costing $281,000; 434 miles of trail, costing $64,000, and four bridges, costing $2600. In addition there will be $26,000 for maintenance of trails and $36,000 for maintenance of roads, according to F. H. Brundage, district forest inspector.

The total allotment for the 14 forest in Oregon amounts to $415,000, with $66,000 more available from counties. The roads are primarily for fire protection in the forests and will be nine feet wide on side cuts and 12 feet wide in other places.

BELGIAN IRON AND STEEL OUTPUT

Belgium's iron and steel production figures for January, 1922, have just been received by cable from Commercial Attache William C. Huntington, at Brussels. The totals for the month are stated to have been: pig iron, 94,210 metric tons, raw steel, 76,450 tons; rough steel castings, 3240 tons; finished steel, 83,200 tons, finished iron 15,082 tons. Spelter was produced to the amount of 8250 tons.

Passing resolutions and then sitting smugly down to await the dawning of the millennium, is a stupid practice.

State Commission Will Make New Series of Road Tests

With the object of testing out additional types of roads and comparing the wearing qualities of asphaltic and concrete units, the State Highway Commission in conjunction with the United States Bureau of Roads is making preparations for an entirely new series of traffic tests to be held at Pittsburg, in Contra Costa County, as soon as the tests now in progress there are completed.

This was announced by Austin B. Fletcher, State Highway Engineer and Directors of the State Department of Public Works, who explained that if there is no miscarriage of plans, the "track" at Pittsburg should be ready for the experiment some time in June or August.

To Resume Traffic Tests

Fletcher also announced that the Highway Commission and the Bureau of Roads have now assumed charge of the experiments at Pittsburg and are having the course repaired for the purpose of resuming the traffic tests over the still serviceable blocks of highway.

The experiments conducted thus far, in the opinion of Fletcher, do not warrant any drastic changes in the road standards of the Highway Commission, because he stated it has been obvious all along that the thinest sections of the track, which were constructed after the specifications used by the Commission would be the first to go to pieces.

The Money Factor

Fletcher also pointed out that while it is a simple matter to add to the wearing qualities of a concrete road by increasing the thickness, this factor also adds proportionately to the expense and here again the money factor must be considered.

"Whatever conclusions are drawn from the tests must be in terms of traffic," he added, "because the biggest problem the Commission is concerned in is getting the most road value for the people's money. I don't think a person has to be an engineer to foretell that the thinest section of the test road would be the first to go to pieces. This, then, was obvious from the start, but whatever the lesson learned, the Highway Commission stands ready to profit thereby. Nothing has developed so far to warrant the belief that revolutionary changes in the present standards of California's highways are warranted.

Roads Stand Up Well

The most remarkable thing of the experiments to date as engineers of the Highway Commission view them, declared Fletcher, is that any of the types of road were capable of standing up so long under the terrific pressure of the traffic to which they have been subjected.

The ordinary public highway, it was declared, would not be called upon to sustain the traffic placed on the test road in a long term of years.

However, a report on the results is now being made by an engineer, Fletcher stated, and as soon as this is ready the Commission will be able to tell more about the tests and the relative values of the types of road employed. It is expected that this report will be ready within the next few weeks.

LUMBER RATES TO POINTS NORTH REDUCED BY R. R. COMMISSION

Bay and river transportation companies, represented by John S. P. Dean as agent, are authorized by the Railroad Commission to put into effect upon one day's notice, reductions ranging from 25 to 40 per cent on lumber rates from San Francisco bay points as far north as Sacramento. The new rates per 1000 feet board measure are: From San Francisco water-front to Oakland, $1.50; reduced from $2.50. From San Francisco, Oakland, Alameda and Berkeley to Petaluma, $1.75; reduced from $3. To San Rafael, Napa and Mare Island, $2; reduced from $3. To all points above Benicia, including Antioch and Rio Vista, $2.50; reduced from $3. To all points between Antioch and Stockton, $3; reduced from $4. To all points between Rio Vista and Sacramento, $3; reduced from $4. To Stockton, $2.50; reduced from $4. The rate to Sacramento remains at $4.

The carriers announced that the reductions are necessary to bring about satisfactory movement of tonnage which is now available.

GOVERNMENT TO SELL SURPLUS PROPERTY

A public auction sale will be held at the San Francisco General Intermediate Depot, Fort Mason, April 27, at 10 A. M., at which time surplus property in the hands of the Quartermaster will be sold under the direction of Michael Tauber & Company, auctioneers. The sale comprises general supplies, clothing and equipage, leather and harness, textiles, subsistence, motor and vehicles and engineering material. Supplies to be sold will be opened for inspection one week prior to sale.

LUMBER PRODUCED NOW CHEAPER THAN EVER

Lumber is being produced cheaper now than ever before, Wilson Compton, told delegates attending the meeting of the National Lumber Manufacturers' Association in Chicago. Compton is secretary-treasurer of the association.

Reports that the lumber supply was decreasing, he denounced as falsity, designed by profiteers to keep building prices up. He explained, however, one reason for the high price of lumber.

"Railway rates are too high," he said, "and it costs more to send lumber from the West Coast to Chicago than it does to produce it, including cutting, logging and rolling. We can send it cheaper through the Panama Canal to New York and back haul it to Detroit than we can send it across the continent. We save $13.75 a thousand feet by water."

WILL CONTINUE TO OPERATE CEMENT PLANT AT NAPA

Reopening of the cement plant at Napa Junction is predicted by Frank H. Davis, general superintendent of the Pacific Portland Cement Company, according to word from Vallejo.

Dismantling of the Napa Junction unit, which was started several months ago by officials of the company who planned to remove the equipment to other plants, has been stopped and instead of dismantling, Davis announces that it is the intention of the company to reopen the Napa Junction plant as soon as business warrants.

The plant has been closed for several years, although it is in good condition and is equipped with modern machinery.

Building News Section

APARTMENT HOUSES

To be Done by Day's Work.
APARTMENTS Cost, $90,000
LOS ANGELES, Cal. Stanley Ave. and Sunset Blvd.
Two-story and basement frame and plaster apartments (36 apts.)
Owner—August Hanson, 7591 Sunset Blvd., Los Angeles.
Architect—Owner.

Plans Being Figured—Bids Close April 25, 1922, 10 A. M.
APARTMENTS Cost, $35,000
SONORA, Tuolumne Co., Cal.
Two-story reinforced concrete or brick apartment and store building (18 2-room apartments).
Owner—Withheld.
Architect—Chas. H. Young, Commercial Savings Bank Bldg., Stockton.
Bids are being taken for a general contract for either the solid brick or reinforced concrete construction.

Contract Awarded.
APARTMENTS Cost, $55,000
FRESNO, Fresno Co., Cal. 1105 Divisadero So.
Apartment house.
Owner—Mrs. Ed. Wallace.
Architect—None.
Contractor—D. D. Mancill, 703 Palm St., Fresno.

Contract Awarded.
APARTMENTS Cost, $130,000
SAN FRANCISCO. NW Eighth Avenue and Fulton Street.
Five-story and basement reinforced concrete store and apartment house building, 80x100 (24 4-room apts. and 3 stores) Solarium on roof.
Owner—James Duvaras.
Architect—Henry Shermund, Hearst Bldg., San Francisco.
Contractor—W. S. King, 135 Webster St., San Francisco.

Plans Prepared.
APARTMENTS, ETC. Cost, $50,000
MODESTO, Stanislous Co., Cal. Sixth and H Streets
Three-story and basement brick (3) stores and (15) 4-room apartments.
Owner—Withheld.
Architect—James H. Hoose, Ramont Bldg., Modesto, Cal.

Bids in and Under Advisement.
APARTMENTS Cost, $20,000
SAN FRANCISCO. NW Market and Eureka Streets.
Two-story and basement frame (10) apartments.
Owner—Adolph Dittman.
Architect—Carl Geilfuss, 1056 Fulton St., San Francisco.

Plans Being Figured.
APARTMENTS Cost, $125,000
PORTLAND, Ore. 19th and Davis Sts.
Four-story and basement concrete 100 x 100, (53) apartments.
Owner — Theo. Williams, Board of Trade Bldg., Portland, Ore.
Architect — Houghtaling & Dougan, Elks Bldg., Portland, Ore.

Plans Being Prepared.
APARTMENTS Cost $1,250,000
LONG BEACH, Calif.
Twelve-story Class A apartment house (Community).
Owner — F. C. Waterbury and L. V. Mavell, Ocean Ave., near Pine, Long Beach.
Architects—Thornton Fitzhugh & Will Teal, Associated, 401 W Avenue 50, Los Angeles.

Contract Awarded
APARTMENTS Cost, $80,000
SAN FRANCISCO. SW Guerrero and Market Streets.
Three-story frame (27) apartments.
Owner—Mary Ives Crocker, Insurance Exchange Bldg., San Francisco.
Architect — Nathaniel Blaisdell, 255 California St., San Francisco.
Contractor—E. Ellingson, 180 Jessie St., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $45,000
SAN FRANCISCO. W Leavenworth between Geary and O'Farrell Sts.
Four-story class C apartments (16 apts)
Owner—Robert Sterner.
Architect—D. C. Coleman, 110 Sutter St., San Francisco.

To be Done By Day's Work.
APARTMENTS Cost, $30,000
SAN FRANCISCO. NW Green Street and Buchanan Street.
Three-story and basement frame (9) apartments.
Owner—H. C. Keenan, 300 Webster St., San Francisco.
Architect—None.

Working Drawings Being Prepared.
APARTMENTS Cost, $400,000
LOS ANGELES, Cal. Eighth St. frontage of Ambassador Hotel Site.
Three-story Class C store and apartment house (20 stores and 250 rooms arranged in 2 and 3-room apts.)
Owner—Ambassador Hotel Co.
Architect—Walker & Eisen, 325 Pacific Finance Bldg., Los Angeles.

BANKS

Plans Being Prepared.
BANK AND OFFICE BUILDING Cost, $100,000 with equipment.
LOS BANOS, Merced Co., Cal. 6th and Eye Sts.
Two-story class A concrete bank and office building.
Owner—Bank of Los Banos.
Architect—H. H. Winner Co., Cunard Bldg., San Francisco.

Low Bidder.
BANK BUILDING Cost, $40,000
SUNNYVALE, Santa Clara Co., Cal.
One-story brick or reinforced concrete bank building.
Owner—Bank of Italy.
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.
Low Bidder—Barrett & Hilp, 918 Harrison St., San Francisco.

BONDS

CORNING, Tehama Co., Cal.—Election will be held May 6, in Corning High School District to vote bonds of $25,000 for school improvements. Trustees of district are: A. C. Hugg, president; B. E. Glick, clerk; A. D. Snyder and Minor Carter.

BURBANK, Cal.—Trustees declare intention to call an election for June 30, to vote a bond issue of $100,000 for constructing a sanitary sewer system, including pipe lines, sewage treatment plant, conduits, etc., in Municipal Improvement District No. 1. F. Curt, Miller, city engineer.

WHITTIER, Cal.—The $149,500 bond issue for rebuilding the existing sewer system carried at a recent election.

VENICE, Cal.—The bond issue for extensions to sewer system failed to carry at a recent election.

WHITTIER, Cal.—The $30,000 bond issue to complete water system and provide extensions carried at a recent election.

FRESNO, Fresno Co., Cal.—May 9, is date set in Pomona School District to vote bonds of $7900 for school improvements. Trustees of district are: A. L. McKnight, Chris. Pedersen, and Mrs. Florence Harris.

FRESNO, Fresno Co., Cal.—Until May 2, bids will be received by supervisors for purchase of 62,000 bond issue of Barstow Grammar School District; proceeds of sale to finance school improvements.

FRESNO, Fresno Co., Cal.—The $50,000 bond issue of Monroe Grammar School District sold for premium of $3,401; proceeds of sale to finance school improvements.

STOCKTON, San Joaquin Co., Cal.—Question of issuing bonds of $1,475,000 will be voted upon in May; $1,300,000 for dam across Calaveras river near San Andreas to store water and protect city against floods during high water periods; $125,000 for extending police and fire alarm systems and $50,000 for two bridges across Mormon channel, one at California street and the other at Center streets. W. B. Hogan, city engineer.

IMPERIAL, Cal.—Owners representing $4,500,000 have signed petitions for proposed $7,500,000 bond issue of Imperial Irrigation district.

BURBANK, Cal.—An election will be held May 16, to vote on a bond issue of $60,000, for purchase of property and construction of a sewage disposal plant. An issue of $100,000 for mains and laterals will be submitted June 30. Bonds previously voted for a sewer system for Burbank were found to be invalid. Koebig & Koebig, Title Ins. Bldg., Los Angeles, engineers.

MORGAN HILL, Santa Clara Co., Cal.—Bonds of $44,000 voted in Morgan Hill School District to erect and equip grammar school. W. H. Weeks, 369 Pine St., San Francisco, is the architect.

SACRAMENTO, Cal. — The $41,000 bond issue of the Rio Linda School District sold for premium of $4310. Proceeds of sale will finance school improvements Geo. C. Sellon & Co., Mitau Bldg., Sacramento, are the architects.

CHURCHES

LODI, San Joaquin Co., Cal.—St. Peter's Lutheran Church will erect new edifice at corner of Church and Locust streets costing between $50,000 and $60,000—will be brick and stucco construction. Building committee consists of August Menzel, Otto Spenker, Otto Neubauer, Henry Klostermann, H. C. Beckman, William Meeske, Fred Zimmerman and Rev. A. H. Wessling, the pastor.

REMOVAL NOTICE

Arthur Priddle, the Public Quantity Surveyor and Estimator, Business Construction Manager and Valuation Engineer has removed his office to Room 608 the Williams Building, No. 692 Mission Street, S. E. Corner of Mission and Third Streets, San Francisco. Telephone connection to be announced later. Architects, Contractors and Owners, please note.

WOODLAND, Yolo Co., Cal.—First Baptist Church of Woodland, C. H. Berry, pastor, have started campaign to raise funds to finance construction of new church and parsonage at First and Lincoln avenue.

FACTORIES & WAREHOUSES

Bids to be Advertised for Immediately.
LAUNDRY, ETC. Cost, Building, $60,000; equipment, $50,000.
SAN LEANDRO, Cal. County Infirmary
Two one-story hollow tile buildings. (Power House and Laundry Bldgs.)
Owner—Alameda County.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.
Figures will be taken for a general contract.

Contract Awarded.
BUILDING Cost, approximately $100,000.
FRESNO, Fresno Co., Cal. Van Ness Ave. and Calaveras St.
Three-story and basement reinforced concrete newspaper publishing building.
Owner—Fresno Bee (Jas. McClatchy & Co., publishers of the Sacramento Bee).
Architect—L. F. Starks, Ochsner Bldg., Sacramento.
Contractor—Geo. Hudnutt, California Fruit Bldg., Sacramento.

Plans Being Figured—Bids Close May 15, 1922 at 10 A. M.
LAUNDRY, ETC. Cost, Building, $60,000; Equipment, $50,000.
SAN LEANDRO, Cal. County Infirmary
Two one-story hollow tile buildings. (Power House and Laundry Bldgs.)
Owner—Alameda County.
Architect — Henry H. Meyers, Kohl Bldg., San Francisco.
Figures will be taken for a general contract. Plans may be obtained from the Clerk's office on a deposit of $25.

Completing Plans—Figures to be Taken End of This Week.
ADDITION Cost, $60,000
OAKLAND, Alameda Co., Cal. No. 2725 E-Fourteenth Street.
Two-story and basement reinforced concrete and brick, 200x60, addition to factory (mill construction interior).
Owner—Magnovox Co., Premises.
Architect—E. J. S. Cahill Easton Bldg., Oakland.
Figures will be taken for a general contract.

Plans Being Figured—Bids Close April 24, 1922.
WAREHOUSE Cost, $150,000
SACRAMENTO, Cal. N L St., between 6th and 7th Sts.
Five-story mill construction warehouse building, 110x160.
Owner—Brenner Co.
Architect—Jas. S. and Chas. L. Dean, City Library Bldg., Sacramento.

Plans Being Prepared.
WAREHOUSE Cost, $60,000
SAN FRANCISCO NW 2nd and Bryant Streets.
Three-story reinforced concrete loft or warehouse building.
Owner—Louis R. Lurie.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.

Plans Being Prepared.
STORAGE PLANT. Cost, $180,000
WATSONVILLE, Santa Cruz Co., Cal. West Lake Avenue and Walker St.
Reinforced concrete storage plant with steel roof.
Owner—Withheld.
Engineer—C. M. Guy & Son, 2650 Santa Fe St., Los Angeles.

Working Drawings Being Prepared.
AUTO STAGE DEPOT Cost, $40,000
SAN JOSE, Santa Clara Co., Cal. W Market between Santa Clara and Post Sts.
Two-story reinforced concrete auto stage depot.
Owner—Alex Hart, Jas. Beatty, Gus Turrel, et. al.
Lessee—Peninsula Rapid Transit Co.
Architect—Wolfe & Higins, Auzerais Bldg., San Jose.

Plans Being Prepared.
WAREHOUSE Cost, $——
LOS ANGELES, Cal. Los Angeles St. between 2nd and 3rd Sts.
Four-story Class A warehouse, 55x180.
Owner—Hoffman Hardware Co.
Architect—Albert C. Martin, 430 Higgins Bldg., Los Angeles.

DAVIS, Yolo Co., Cal.—Pacific Gas and Electric Co., 445 Sutter St., San Francisco, selects this city as site for proposed general repair shops and garage. Shop buildings are nearing completion and construction will be started shortly on a large warehouse. Modern machinery will be installed in garage structures for repairing company's equipment.

PORTLAND, Ore.—Doernbecher Mfg. Co., Multnomah and 29th Sts., will erect six-story 225x105 ft., concrete and heavy mill construction warehouse in Multnomah street. Work will be done by day labor. Plans by John Shields, company engineer.

FIREHOUSES AND JAILS

SAN FRANCISCO—Until May 3, 3 P. M., bids will be received by Board of Public Works for constructing Fire Engine House No. 39 in the south side of Portola Drive opposite Kensington Way. Bids are wanted for general construction; estimated cost, $26,000; plumbing and heating, $3500; electric work, $3000. Plans may be had from Bureau of Architecture, 2nd floor, city hall. Meyer & Johnson, Bankers Investment Bldg. are the architects.

FLATS

To be Done by Day's Work.
FLATS Cost, $14,500
SAN FRANCISCO. SE Geary and 29th Ave.
Two-story and basement frame (4) flats.
Owner—J. C. Thomas, 380 20th Ave., San Francisco.
Architect—None.

Contract Awarded.
FLATS Cost, $11,000
SACRAMENTO, Cal. No. 2724-26 Q St.
Two-story frame flats (4 4-room flats).
Owner—Dr. J. H. Burden, M St. Road, Sacramento.
Architect—None.
Contractor—E. Thomas, 2621 24th St., Sacramento.

Completing Plans.
FLATS Cost, $11,000
SAN FRANCISCO. Sunset District.
Two-story and basement frame and plaster flat building (2 5-room and sleeping porch flats).
Owner—Withheld.
Architect—Mel I. Schwartz, Nevada Bank Bldg., San Francisco.

Contract Awarded.
FLATS Cost, $10,000
SAN FRANCISCO. W 21st Ave. 200 S Lake.
Two-story and basement frame (2) flats.
Owner—L. H. Hayfer, 808 Dolores St., San Francisco.
Designer—Jos. Bloom, 539 Market St., San Francisco.
Contractor—Frank Mayer, 817 Dolores St., San Francisco.

Contract Awarded.
FLATS Cost, $14,400
SAN FRANCISCO. SE Geary and Third Avenue.
Two-story and basement frame (4) flats.
Owner—D. W. and Mary Breslin, 819 Santa Clara St., Vallejo.
Architect—None.
Contractor—H. W. Demaris & Sons, 742 Page St., San Francisco.

GARAGES

Contract Awarded.
GARAGE & STORES Cost, $25,000
OAKLAND. SE 13th and Jefferson Sts.
One-story brick garage and stores.
Owner—White & Pollard, 13th and Webster Sts., Oakland.
Architect—None.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland.

Contract Awarded.
GARAGE Cost, 57,525
SAN FRANCISCO. N Pine St. 200-6 E Van Ness Ave.
Two-story class B garage.
Owners—Lucy H. and Edith Allyne, 2609 Gough St., San Francisco.
Architect—Reid Bros., 105 Montgomery St., San Francisco.
Contractor—John Spargo, 240 Montgomery St., San Francisco.

Contracts Awarded.
GARAGE Cost, $30,000
SAN RAFAEL, Marin Co., Cal.
One-story brick, steel and concrete garage.
Owner—Kaenel & Becker.
Architect—Thos. O'Connor, 524 4th St., San Rafael.
Brick Work to S. Saywell, 16 Austin, San Rafael.
Steel Work to Western Iron Works, 141 Beale St., San Francisco.
Grading to S. P. Brownlee, 2nd and A Sts., San Rafael.

GOVERNMENT WORK AND SUPPLIES

Plans Being Figured.—Bids Close June 7, 1922 11 A. M.
SHOP, ETC. Cost, $——
PEARL HARBOR, Hawaii Naval Operating Base (Naval Station).
Complete machine shop. Spec. 4518 (concrete footings and steel frame now being constructed).
Owner—United State Government.
Architect—Owner.
See call for bids under Official Proposals.

A public auction sale will be held at the San Francisco General Intermediate Depot, Fort Mason, April 27, at 10 A. M., at which time surplus property in the hands of the Quartermaster will be sold under the direction of Michael Tauber & Company, auctioneers. The sale comprises general supplies, clothing and equipage, leather and harness, textiles, subsistence, motor and vehicles and engineering material. Supplies to be sold will be opened for inspection one week prior to sale.

SAN FRANCISCO—Until April 25, 11 A. M., bids will be received by U. S. Engineer Office, 240 Montgomery St., under Order No. 3681/S.P. 5, for furnishing and delivering wharf, Rio Vista, Solano county, 500 lbs. babbitt metal and 200 lbs. zinc plates.

WASHINGTON, D. C.—C. F. Martin, Seaboard Bldg., Seattle, at $60,313, submits low bid to Bureau of Yards and Docks, Navy Department, to extend Building No. 368, at Puget Sound Navy Yard; time to complete, 179 days.

SAN FRANCISCO—Until May 1, 10 A. M., bids will be received by Quartermaster Supply Officer, Fort Mason, under Circular 22-59, for furnishing and delivering brass globe valves, boiler tubes; 10,800 electrolyte; 400 packing boxes; 6 sets plate holding clamps; 588 parts for Stewart No. 1 horse clipping machines, 8675 sq. head machine bolts; 1000 stobe bolts, 48½ doz. cast bronze padlocks; 4 doz. steel padlocks and 1 doz. ice hand saws.

SAN DIEGO, Cal.—W. E. Kier Constr. Co., 1st National Bank Bldg., San Diego, was low bidder at $113,500 for constructing gun shed and stable a marine base. Reinforced concrete construction, pile foundation; steel roof trusses. Other bids were: Wright & Dorun, San Diego, $117,000; Lange & Bergstrom $120,000.

WASHINGTON, D. C.—Senator Pittman of Nevada, seeks appropriation of $175,000 to construct and equip boarding school for Indians on 150-acre tract at Elko, Nevada.

WASHINGTON, D. C.—The following bids were received under Bureau of Yards and Docks, specification 4599, for constructing garage at Point Loma and coal shed at Interior Beach, Calif.:
Miller & Eddleman, 401 Bancroft Bldg., San Diego, Calif., item 1, $1,208, 60 days; 2, $1,015; 3, $2,223.
A. D. Cole, 3263 Logan Ave., San Diego, item 1, $1,540, 25 days; 2, $1,035, 15 days; 3, $2,575, 40 days.
Riley & Peterson, San Diego, item 1, $1,651, 35 days; 2, $1,384, 30 days; 3, $3,035, 40 days.
G. A. Grays, item 2, $1,640, 34 days.

WASHINGTON, D. C.—Newbury Elec Corp., 724 S Olive St., Los Angeles, at $4342, awarded contract by Bureau of Yards and Docks, Navy Department, to install lighting fixtures in hospital at San Diego Naval base, under Spec. No. 4595.

WASHINGTON, D. C.—S. B. Sexton Stove Mfg. Co., 500 Block W Conway St., Baltimore, awarded contract by Bureau of Yards and Docks, Navy Department, to furnish and install in naval hospital, San Diego Naval base, kitchen and diet kitchen equipment, under Spec. No. 4596; items 1 and 2 accepted, $19,693.77.

SAN DIEGO, Cal.—Ne Page McKenney Co., 589 Howard St., San Francisco, submitted the lowest bid at $34,400 to the U. S. Bureau of Yards and Docks for an electrical distributing system at San Diego under Specification No. 4610.

MARE ISLAND, Cal.—The following bids were received on April 19th, by the Public Works Office at Mare Island for remodeling and rebuilding the two-story brick and frame quarters covering an area of about 51' x 72' at the Navy Yard, Mare Island:
Fletcher & Warren 216 Georgia St., Vallejo, $13,398; 75 days.
J. Pringle, San Francisco and Vallejo, $14,500; 75 days.
Geo. M. Branchi, Vallejo, $16,986; 140 days.
U. S. Navy Yard, Mare Island, $17,000; 75 days.
Schultz Constr. Co., San Francisco, $17,750; 70 days.
Oakland Building and Mortgage Co., $22,473; 75 days.

HALLS AND SOCIETY BUILDINGS

Contract Awarded.
BUILDING Cost, $99,300
LOS ANGELES. 1st and Chicago Sts.
Two-story brick lodge building 116x140
Owner—Hollenbeck Masonic Lodge.
Architects—Arthur W. Angel and John C. Smith, 325 H. W. Hellman Bldg., Los Angeles, associated.
Contractor—May & Grimwood, Inc., 711 Haas Bldg., Los Angeles.

Figures to be Taken Shortly.
SORORITY HOUSE Cost $25,000
BERKELEY, Alameda Co., Cal. Durant Avenue.
Two-story frame and plaster sorority house.
Owner—Phi Mu Fraternity.
Architect—W. H. Ratcliff Jr., 1st Nat'l. Bank Bldg., Berkeley.

Low Bidder.
GIRLS' HOME Cost, $137,199
SAN FRANCISCO. Laguna nd Page Streets.
Three and five-story reinforced concrete and brick Girls' Home Bldg.
Owner—Emanuel-El Sisterhood.
Architect — Miss Julia Morgan, Merchants' Exchange Bldg., S. F.
Low Bidder—Barrett & Hilp, 918 Harrison St., San Francisco.
The bids ran as follows: $137,199, $139,385; $148,136; $152,252 and $155,311. The contract will be awarded the end of this week.

Plans to be Prepared.
BUILDING Cost, $300,000
SAN FRANCISCO. Golden Gate Ave., or downtown, not decided.
Class A club building (6 stories or more).
Owner—Knights of Columbus, California Council No. 880.
Architect—Not selected.

Contract Awarded.
BUILDING Cost, $43,098
PASO ROBLES, San Luis Obispo Co., Cal. Park Street.
Three-story reinforced concrete lodge building.
Owner—Odd Fellows of Paso Robles.
Architect—H. B. Douglas, Paso Robles.
Contractor—E. Nommensen, 134 S 8th St., San Jose.
There were six other bidders, as follows: D. Wagner, San Francisco, $43,840; Appleton & Davis, Atascadero, $45,467; J. H. Miller, San Jose, $44,700; C. J. Bacher, Atascadero, $43,760; J. L. McLaughlin, San Francisco, $48,750; and W. J. Smith, San Luis Obispo, $43,875.

HOSPITALS

Plans Approved—Working Drawings Being Prepared.
HOSPITAL Cost, $500,000
SACRAMENTO, Cal. L St. between 28th and 29th Sts.
Six-story and basement reinforced concrete hospital building.
Owner—Sutter Hospital Association.
Architects—Frederick H. Meyer and Johnson, Bankers' Invst. Bldg., San Francisco.

Plans Being Figured.
HOSPITAL, ETC. Cost, $230,000
LOS ANGELES, Cal. Boyle Avenue.
Three two-story brick buildings with clay tile roofs (2 dormitories and a hospital and refectory bldg.)
Owner—Hollenbeck Home.
Architects—Morgan-Walls & Morgan, 1124 Van Nyus Bldg., Los Angeles.

REDWOOD CITY, San Mateo Co., Cal.—The Board of Supervisors of San Mateo County received the following bids on April 17, 1922, for the completing of the steam heating, ventilation, steam boiler plant and refrigeration for the new County Hospital building, now being erected at Beresford, in San Mateo County, all to be in accordance with the plans and specifications as prepared by Will H. Toepke, Architect, 942 Market St., San Francisco.
J. F. McGowan Co., 150 A St., San Mateo $27,562
Knittle-Cashel Co. 29,887
Lawson & Drucker 32,319
Turner Co. 32,798
Engineers Structure Co. 33,489
J. J. McLeod 33,900

HOTELS

Segregated Figures to be Taken Next Week.
SAN FRANCISCO. SW Eddy and Mason Sts.
Complete 6-story and basement brick hotel and store building, 158-rooms (only the four walls and partitions have been completed).
Owner—J. K. Prior Estate.
Lessee—Della Steele.
Architects—Kenneth MacDonald and Maurice Couchot, 234 Pine St., San Francisco.
For seven years the structure has stood an uncompleted and unused shell. Architect Earle R. Scott, deceased, prepared the original plans.

Contract Awarded.
ALTERATIONS Cost, $24,500
STOCKTON, San Joaquin Co., Cal. N-Hunter Street.
Remodel building for lodging house and stores.
Owner—Morris Bros., 20 N-El Dorado St., Stockton.
Architect—None.
Contractor—Cavalero & Dentoni, 412 E-Lafayette St., Stockton.

Plans Being Figured.
HOTEL BLDG. Cost, $——
LOS ANGELES, Cal. McCadden Place and Hollywood Blvd.
Eight-story and basement Class A hotel building, 40x137.
Owner—H. H. Christie.
Architect—Arthur R. Kelly, 1201 Van Nuys Bldg., Los Angeles.

Contract Awarded.
FINISH HOTEL Cost, $125,000
PLACERVILLE, El Dorado Co., Cal. Rubican River, 16 miles from Placerville.
Interior finishing for 75 room frame hotel.
Owner—A. P. T. Elcer, Palace Hotel, San Francisco.
Architects—Geo. C. Sellon & Co., Matau Bldg., Sacramento.
Contractor—A. Love, Shingle Springs, Calif.
Mr. Love is purchasing materials for the interior finish of the hotel.

PUBLIC BUILDINGS

Contracts Awarded.
AQUARIUM Cost, $250,000
SAN FRANCISCO. Golden Gate Park.
Reinforced concrete and stone aquarium.
Owner—California Academy of Sciences Gift of Ignatz Steinhart.
Architect — Louis P. Hobart, Crocker Bldg., San Francisco.
Plumbing, Heating and Refrigeration, to Frederick Snook, 596 Clay St., at $35,805.
Glazing to W. P. Fuller Co., Beale and Mission Sts., at $9346.
Plastering to Peter Bradley, 180 Jessie St., at $16,720.
Ornamental Iron to C. J. Hillard Co., 19th and Minnesota Sts., at $4361.
As reported before, the Excavating, Concrete, Carpenter, Structural Tile, Sheet Metal and Roofing, Ornamental Tile and Marble was awarded to Clinton Construction Co., 140 Townsend St., at $84,933.

CHICO, Butte Co., Cal.—Until April 24, 8 P. M., bids will be received by E. T. Williamson, secretary Bidwell Park and Playground Commission, for plumbing work and installing plumbing fixtures in dressing room at 5-mile dam in Bidwell Park. Spec. may be had from Cole and Brouchou, Waterland-Breslauer Bldg., Chico, architects.

OROVILLE, Butte Co., Cal.—City Trustees contemplating erection of city hall and jail building. J. W. Gibson, city clerk.

PITTSBURG, Contra Costa Co., Cal.—The Clerk of the City of Pittsburg, received the following bids on April 18th, for the construction of a two-story reinforced concrete City Hall and Firehouse, from plans prepared by Architect Benj. B. McDougall, 381 Bush street, San Francisco. The contract was awarded to Cahill Bros., 110 Sutter street, San Francisco:
Cahill Bros., S. F. $46,950
Howard S. Williams, S. F. 51,352
R. W. Littlefield, Oakland 51,466
Seelino & Colomba, Pittsburg 56,855
Chas. Stockholm & Son, S. F. 62,000
E. T. Leiter & Son, S. F. 64,487
Betz & Mabrey, Sacramento 68,614

PALO ALTO, Santa Clara Co., Cal.—The Library Board of the City of Palo Alto received the following bids on April 17th for the construction of a one-story reinforced concrete addition to the library building on the corner of Bryant street and Hamilton avenue. Plans were prepared by Architect Birge M. Clark, 4 Cabrillo avenue, Palo Alto. All bids were taken under advisement.
Barrett & Hilp, 918 Harrison St., San Francisco $28,692
John Morton, San Francisco 29,285
Louis J. Cohn, San Francisco 30,856
W. G. McGinty & Son, Oakland 34,897
Informal Bids for Terra Cotta Tile Roofing
Gladding-McBean Co., Crocker Bldg., San Francisco, $2,285; $2,850.

United Materials Co., S. F., $2,325; $3,150.

ALAMEDA, Cal.—Only two bids were received on April 18th by the City of Alameda, for the construction of a comfort station in Washington Park and they were rejected as being too high: Western Constr. Co., S. F.....$3650
Leo. S. Kockendorfer 3878
New bids will be called for.

RESIDENCES

Figures to be Taken Next Week.
RESIDENCE Cost, $——
SAN FRANCISCO. Church between 23rd and 24th.
Two-story frame and plaster residence.
Owner—N. E. Sisk.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $7,000
SAN FRANCISCO. London and Amazon Streets.
Two-story 7-room frame residence and garage.
Owner—Mr. Morabigo.
Architect—Righetti & Hirschfeld, 12 Geary St., San Francisco.
Figures are being taken for a general contract.

Plans Being Prepared.
RESIDENCE Cost, $——
SAN FRANCISCO. Santa Clara Ave. and St. Francis Blvd.
Spanish style residence.
Owner—Francis Neylan.
Architect—Albert Farr, 68 Post St., San Francisco.

RESIDENCE Cost, $——
SAN FRANCISCO. Santa Paula and Yerba Buena Aves.
Two-story frame and plaster residence.
Owner—Ellwood G. Barbitt.
Architect—Earle Bertz, 168 Sutter St., San Francisco.

To be Done by Day's Work.
RESIDENCE Cost, $15,000
SAN FRANCISCO. N Sea Cliff Ave. 445 W 25th
Two-story and basement frame residence.
Owner—Allen & Co.
Architect—Earle B. Bertz, 168 Sutter St., San Francisco.

Plans Completed.
DWELLING Cost, $8000
SAN FRANCISCO. Santa Ana Avenue Between St. Francis Blvd. and Portola Drive.
Two-story and basement frame dwlg.
Owner—Janette M. Wolfe, 914 1st National Bank Bldg., San Francisco.
Architect—L. A. Bryant, 38 6th Ave., San Francisco.

Plans to be Prepared—To be Done by Day's Work.
BUNGALOWS Cost, $——
SAN FRANCISCO. Faxon Avenue.
Two one-story frame and plaster bungalows.
Owner—Joseph Dobrodenka and G. H. Rissman, 61 Rausch St., San Francisco.
Architect—Owners.

Owner Taking Figures.
RESIDENCE Cost, $8500
SAN FRANCISCO. S Balboa Street near Tenth Avenue
Two-story and basement frame and plaster residence (9 rooms and basement garage).
Owner—Herbert Sichel, Flood Bldg., San Francisco.
Architect—O. R. Thayer, 110 Sutter St., San Francisco

Contract Awarded
RESIDENCE Cost, $7,200
PALO ALTO, Santa Clara Co., Cal.
One-story 6-room frame and plaster residence and separate garage.
Owner—Mrs. E. C. Clendenin, Palo Alto
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose
Contractor—H. A. Spring, Sunnyvale.

Plans Being Figured.
RESIDENCE Cost, $10,000
WATSONVILLE, Santa Cruz Co., Cal.
Two-story frame residence.
Owner—George Friermuth.
Architects—Wyckoff & White, Growers Bank Bldg., San Jose.
Figures are being taken for a general contract.

Plans Being Prepared.
BUNGALOW Cost, $——
SAN FRANCISCO. Forest Hill.
One-story frame and plaster bungalow.
Owner—Roy Gray.
Architect—Harold G. Stoner, First National Bank Bldg., San Francisco.

Plans Being Prepared.
BUNGALOW Cost, $——
SAN FRANCISCO. Forest Hill.
One-story frame and plaster bungalow.
Owner—Augustus Linehan.
Architect—Harold G. Stoner, First National Bank Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, $9500
SAN FRANCISCO. Forest Hill.
Two-story frame residence.
Owner—Lawrence Tharp.
Architect—Harold G. Stoner, First National Bank Bldg., San Francisco.
Contractor—Jas. Arnott, 4165 20th St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $15,000
WATSONVILLE, Santa Cruz Co., Cal.
Two-story frame residence.
Owner—Withheld.
Architect—Wyckoff & White, Growers Bank Bldg., San Jose.
Contractor—E. Porter Smith, Santa Cruz, Cal.

Plans Being Figured—Bids Close Apr. 22, 1922.
RESIDENCE Cost, $6,000
OAKLAND. Excelsior Ave. in Lakeshore Highlands.
One-story frame and plaster residence.
Owner—Withheld.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Contract Awarded.
RESIDENCE Cost, $10,140
SAN FRANCISCO. E Sixteenth Ave. 75 N Fulton Street.
Two-story and basement frame residence.
Owner—Ernest E. Kretzschman.
Architect—Will H. Toepke, 942 Market St., San Francisco.
Contractor—Wm. L. Terry, 1456 Willard St., San Francisco

Bids Opened.
RESIDENCE Cost, $15,000
BERKELEY, Alameda Co., Cal. Claremont District.
Two-story frame and plaster residence
Owner—Mr. Kitzmiller.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Walter Murch, Federal Realty Bldg., Oakland $16,700
A. J. McPhee, Oakland..... 16,900
A. Cederborg, Oakland..... 17,216
H. P. Nelson, Oakland..... 17,560
F. Allen, Oakland..... 18,337
—— Marshall, Oakland..... 24,072

To be Done by Day's Work.
DWELLINGS Cost, $2600 each
BERKELEY, Alameda Co., Cal. No 1308 to 1328 67th St.
Eight one story 6-room dwellings
Owner—C. M. MacGregor, 470 13th St., Oakland.
Architect—None.

Contract Awarded
RESIDENCE Cost, $12,000
SAN FRANCISCO. W Larkin 87-6 N Lombard.
Two-story and basement frame residence.
Owner—Robert F. Atkins
Architect—Earle B. Bertz, 168 Sutter St., San Francisco
Contractor—Allen & Co., 168 Sutter St., San Francisco.

Plans Being Prepared
RESIDENCE Cost, $13,000
PALO ALTO, Santa Clara Co., Cal.
Two-story frame and plaster residence (10 rooms, 3 bathrooms and basement garage).
Owner—Prof. C. F. Tolman Jr., 6 Alvarado St., Campus, Palo Alto.
Architect—John K. Branner, 251 Kearny St., San Francisco.
Plans will be ready for figures in about three weeks.

SCHOOLS

Plans Being Figured—Bids Close May 2, 1922, 5 P. M.
SCHOOL. Cost, $——
POMONA, Los Angeles Co., Cal.
Two-story and basement brick high school.
Owner—Pomona Board of Education.
Architect—W. H. Weeks, 369 Pine St., San Francisco, and Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.
Figures are being taken as follows: (1) mason work and cast cement; (2) carpentry work, including mill work, lumber and rough hardware; (3) lathing and plastering; (4) sheet metal work. Plans and specifications may be obtained on deposit of $20.

Plans Being Figured—Bids Close May 12, 12 M.
ALTERATIONS Cost, $——
ELY, White Pine Co., Nevada.
Alterations and additions to high school.
Owner—White Pine County Board of Education, Virginia J. Carothers, Clerk, Ely, Nevada.
Architect—F. J. DeLongchamps, Gazette Bldg., Reno, Nevada.
See call for bids under official proposal section in this issue.

Contract Awarded.
SCHOOL Cost, $7,000
HANFORD, Kings Co., Cal. Visalia St.
One-story brick school (1 classroom and library).
Owner—Chinese School Association, Harry Lee, Secretary, 11½ China St., Hanford, Calif.
Architect—Glass & Fuhner, Cory Bldg., Fresno.
Contractor—Carl Nelson, Hanford, Cal

Plans Being Figured—Bids Close May 12, 1922, at 7 P. M.
SCHOOL Cost, $140,000
STOCKTON, San Joaquin Co., Cal. Victory School.
Two-story brick, concrete and frame school (16 rooms, kindergarten and sewing room).
Owner—Stockton Board of Education.
Architects — Losekann & Clowdsley, Elks' Bldg., Stockton
Supervising Architects—Davis-Heller-Pearce Co., Delta Bldg., Stockton.
Bids are being taken for a general contract with separate bids for heating and ventilating.
See call for bids under Official Proposals.

Heating Bids Wanted—General Contract Awarded.
ADDITION Cost, $——
STOCKTON, San Joaquin Co., Cal.
Brick, concrete and frame 8-room addition to El Dorado School.
Owner—City of Stockton, Ansel S. Williams, Secretary Board of Education.
Architect—Frank Mayo Yosemite Bldg., Stockton
General Contract awarded to Shepherd & Riley, Yosemite Bldg., Stockton, at $64,339.
Bids for the heating plant will be received until May 12, 1922, at 7 P. M.
See call for bids under Official Proposals.

Figures to be taken shortly.
SCHOOL. Cost, $63,000
FRESNO, Fresno Co., Cal.
School building (8 classrooms and an auditorium)
Owner—Barstow Colony School Dist.
Architect—Ernest L. Kump, Rowell Bldg., Fresno.

Plans Being Prepared.
SCHOOL. Cost, $385,000
OAKLAND. 26th and Filbert Sts.
Two story brick high school (vocational high school).
Owner—Oakland Board of Education.
Supervising Architects—C. W. Dickey, 357 12th St., Oakland; and J. J. Donovan, associate architect, Pacific Bldg., Oakland.

Bids to be Called For in About a Week.
SCHOOL Cost, $100,000
LOS GATOS, Santa Clara Co., Cal.
Two-story frame school (16 classrooms and an auditorium).
Owner—Los Gatos Grammar School District.
Architect—Wyckoff & White, Growers Bank Bldg., San Jose.

Contract Awarded.
SCHOOL Cost, $59,924
LODI, San Joaquin Co., Cal. Pleasant Ave. and Walnut St. (St. Anne's Parish).
One-story reinforced concrete parochial school (4 classrooms, 2 music rooms, assembly hall, administration suite; the banquet hall will be in the basement)
Owner — Roman Catholic Archbishop, Edw. Maher, pastor.
Architect — John J. Donovan, Pacific Bldg., Oakland.
Contractor—Joseph Chirhart, 523 S San Joaquin St., Stockton.

Plans Approved — Advertisement for Bids Ordered.
SCHOOL Cost, $109,600
OAKLAND. 98th Avenue.
Two-story brick school.
Owner—Oakland Board of Education.
Supervising Architect—C. W. Dickey, 357 12th St., Oakland.

Plans Being Figured—Bids Close May 3, 1922, 8 P. M.
SCHOOL Cost, $42,000
WATSONVILLE, Santa Cruz Co., Cal. Pajaro School District.
One-story reinforced concrete school building.
Owner—Pajaro School District, Thos. S. Hudson, clerk, R. F. D. No. 2, Box 70, Watsonville.
Architect—Wyckoff & White, Growers Bank Bldg., San Jose.
Separate bids are wanted for heating system; plumbing work and electric work. Plans may be had from clerk.
See call for bids under Official Proposals.

Figures to be Taken Shortly.
SCHOOL Cost, $90,000
LOS ANGELES, Cal. Castelar St. School (SE Yale and College Sts.)
Two-story brick school. 132x96.
Owner—Los Angeles Board of Education.
Architects—Pierpont & Walter S. Davis, 3215 W-Sixth St., Los Angeles.

Plans Being Figured—Bids Close May 3, 1922, 8 P. M., instead of Opril 26
SCHOOL Cost, $200,000
RICHMOND, Contra Costa Co., Cal. Ninth and Bissel Avenue.
One and three-story reinforced concrete and hollow tile Junior High School 216x321.
Owner—City of Richmond School Dist.
Architect—Jas. T. Narbett, 910 Macdonald Ave., Richmond.
Bids are being taken as follows:
(1) General Work: Carpenter work, excavation, well boring, concrete and cement work, steel and iron, elevator work and interior stone work.
(2) Hollow Tile and Brick Work.
(3) Lathing and Plastering.
(4) Sheet Metal Work.
(5) Roofing, Composition and Tile.
(6) Painting.
(7) Plumbing.
(8) Electric Work.
(9) Heating and Ventilating Work.

Plans Being Figured—Bids Close May 3, 1922, 8 P. M., instead of April 26.
ADDITION Cost, $25,000
RICHMOND, Contra Costa Co., Cal Nystrom School.
Four-room and auditorium hollow tile and plaster addition to school.
Owner—City of Richmond School Dist.
Architect—Jas. T. Narbett, 910 Macdonald Ave., Richmond.
Bids are being taken as follows:
(1) General Work: Excavating, concrete and cement work (including reinforcing steel), sheet metal work, carpenter work, house mover's work, steel and iron, and electric work.
(2) Plumbing.
(3) Lathing and Plastering.
(4) Roofing.
(5) Painting.
(6) Hollow Tile and Brick Work.
(7) Heating and Ventilating.

Contract Awarded.
SCHOOL Cost, $140,000
GRASS VALLEY, Nevada Co., Cal.
Two-story reinforced concrete high school (18 rooms).
Owner—Grass Valley High School Dist.
Architects—Wm. Mooser and H. B. Simpson, Associated, Nevada Bank Bldg., San Francisco.
General Contractor—Howard S. Williams, 185 Stevenson St., San Francisco, $73,724.
Other bidders were:
Lawton & Vezey, S. F. $83,355
R. McLeran, S. F. 83,700
Sampson Co., S. F. 91,000
The following contracts were also formally awarded:
Heating and Ventilating and Plumbing awarded to Luppen-Hawley & Thing, 906 7th St., Sacramento.
Electrical Work to G. W. West of Grass Valley, $5498.

LOS ANGELES, Cal.—Until 9 A. M., May 3, bids will be received by the Board of Education for erecting new school building on Fremont Ave. school site; Robert D. Farquhar, architect. Plans may be obtained at secretary's office, 730 Security Bldg. Bids will be taken separately on general work, plumbing, painting, heating and electrical work. Twelve classrooms, brick construction, selected common brick exterior, clay tile roofing, pine trim, maple floors, reinforced concrete stairways and corridors.

SAN FRANCISCO—Following contracts awarded by Board of Public Works for Horace Mann school in Valencia St., near 23rd: General Construction to Anderson & Ringrose, at $302,382; Lath and Plastering to J. Greenback, at $46,267; Heating and Ventilating to P. J. Enright, at $21,910; Plumbing to A. Lettich, at $19,902; Electric Work to Butte Elec. & Equip. Co., at $12,922.
Louis J. Cohn at $15,889, awarded contract to construct exhibit structure in Ferry Building.
Finish hardware contract for Galileo high school awarded to Joost Bros., at $9,120.

MARTINEZ, Contra Costa Co., Cal.—Until May 1, 9 A. M., bids will be received by Joe E. Periera, clerk, Briones Valley School District, to erect one-story frames chool; plans for which are on file in office of County Superintendent of Schools at Martinez. Deposit of $10 required for plans. Certified check $350, payable to Board of Trustees required with each bid.

TURLOCK, Stanislaus Co., Cal.—Until April 29, 7.30 P. M., bids will be received by Chas. V. Lundahl, clerk, Turlock School District to construct two-story and basement addition to Hawthorne Grammar school. **See call for bids under official proposal section in this issue.**

SAN FRANCISCO—United Materials Co., Sharon Bldg., at $7965 awarded contract by Board of Public Works for roofing on Galileo (North Beach) high school. Western Asbestos and Magnesia Co. submitted lowest bid for this work at $7805, but claiming a mistake, the Board allowed the withdrawal of the figure.

A. E. Leitch Fred Clark

CLARK & LEITCH ROOFING CO.

Successors to E. S. Warner

Office and Warehouse:

1116 SECOND ST., SACRAMENTO

Phone Main 726

SAN FRANCISCO—Until May 3, 3 P. M., bids will be received by Board of Public Works for furnishing and installing finish hardware in Mission High School at 18th and Dolores Sts.; estimated cost, $8000. Bond of $2000 required of successful bidder. Specifications may be had from Bureau of Architecture, 2nd floor, city hall.

SACRAMENTO, Cal.—Architect Edgar A. Mathews, Call Bldg., San Francisco, selected by Board of Education to prepare plans and specifications for the completion of the Sacramento high school as originally planned. Completion of the structure will cost approximately $750,000.

STOCKTON, San Joaquin Co., Cal.—Until May 10, 7 P. M., bids will be received by Ansel S. Williams, secretary Board of Education, to construct a 10-room brick, concrete and frame annex to Jackson school. Separate bids are wanted for heating and ventilating plant. Wright & Satterlee, architects. **See call for bids under official proposal section in this issue.**

PASADENA, Cal.—H. E. Tabor, 1350 E. Orange Grove Ave., Pasadena, has been awarded the general contract on accepted alternates for erecting the new reinforced concrete 8-room and auditorium Junipero Serra grammar school on S. Fair Oaks Ave., S of California St., Pasadena. E. O. Nay Co., was awarded the plumbing; Hoagland-Lakin Electric & Engineering Co., heating, and H. R. Miller, wiring. Painting contract not let. Cyril Bennett, 313 Kendall Bldg., Pasadena, is the architect.

SEATTLE, Wash.—Architects Lundberg & Mahon, Lumber Exchange Bldg. complete plans for two-story masonry, 12-classroom, assembly hall and gymnasium, school to be erected at 4142 42nd Ave., for Holy Rosary Parish, Rev. M. J. Callaghan, pastor. Work will be done by day labor and subcontracts. Estimated cost, $85,000.

LOS ANGELES, Cal.—Until 9 A. M., May 10, bids will be received by the Board of Education for erecting new school building at Wadsworth Street school site, at 1027 E 38th St. in Los Angeles. Rea & Garstang, architects. Separate bids on general work, plumbing, heating, painting and electrical work. Ten rooms, 2-story, 76x121 ft., brick construction, composition roofing, pine trim, maple floors, etc.

LOS ANGELES, Cal.—J. F. Atkinson, 1102 Story Bldg., Los Angeles, was awarded general contract at $177,500 for new 2-story brick and reinforced concrete building at McKinley Ave. junior high school site; Train & Williams, 226 Western Mutual Bldg., Los Angeles, architects. The contract was awarded on the original bid of $182,000 with deductions of $3200 for hand plastering and $1300 for alternate ventilators. Other contracts awarded were: Steam heating to Hoagland-Lakin Co. at $22,364; plumbing to F. J. Donnelly at $11,375; painting to H. H. Mann at $6354; and wiring to American Elec. Construction Co. at $8945.45.

BAKERSFIELD, Kern Co., Cal.—Until May 11, 7.30 P. M., bids will be received by Board of Education to construct additions to McKinley, Hawthorne and Lincoln school buildings. Chas. H. Biggar, First National Bank Bldg., Bakersfield, architects. **See call for bids under official proposal section in this issue.**

LONG BEACH, Cal.—J. C. Bannister, 903 N Mariposa St., Los Angeles, was low bidder at $177,955, on the general contract for the Franklin Junior High School, Long Beach. Other low bids were: Hickman Bros., plumbing, $16,318; Frank Davidson, steam heating, $11,345; Alhambra W. P. & P. Co., painting, $8000; Pac. Gas Rad. Co., gas heating, $7300; Baty Elec. Co., wiring, $7689; and International Time Co., program clocks, $2538. Bids referred to architect for report next Monday night. John C. Austin, 1129 Baker-Detwiler Bldg., and W. Horace Austin, 222 First Nat. Bank Bldg., Long Beach, associate architects. Three buildings: main

building, 2-story, 24 classrooms, cafeteria and dining room building with 3 clasrooms, 1-story; and a 1-story shop building. Brick construction, selected common brick exterior, clay tile and composition roofing; pine trim, beech floors, reinforced concrete corridors and stairs. A complete list of the bids is on file in this office.

ALHAMBRA, Cal.—Architects Allison & Allison, 1405 Hibernian Bldg., Los Angeles, have been selected to prepare plans for new grade schools to be erected at Alhambra. An election will be held May 8, to vote $125,000 bonds for the work.

GRASS VALLEY, Nevada Co., Cal.—The Board of Trustees of the Grass Valley High School District received the following bids on April 19th for the general contract for the construction of a two-story reinforced concrete high school. Plans were prepared by Architects Wm. Mooser and H. B. Simpson, Associated, Nevada Bank Bldg., San Francisco.

Howard S. Williams, S. F. $79,724
Lawton & Vezey, S. F. 83,355
R. McLean, S. F. 83,700
Sampson Co., S. F. 91,000

The contract was awarded to Howard S. Williams, 185 Stevenson St., San Francisco. The following contracts were also formally awarded.

Heating and ventilating and plumbing awarded to Luppen-Hawley & Thing, 906 7th St., Sacramento.

Electrical work to G. W. West of Grass Valley, $5498.

OAKLAND, Cal. — The Board of Education of the City of Oakland, received the following bids on April 17th for the construction of a two and three-story reinforced concrete high school building to be known as the "University High School," to be located on the block bounded by Grove street, Aileen Street, Dover Street and Fifty-eight Street. Plans were prepared by the Construction Department (C. W. Dickey in charge), Chabot Hall, 11th and Jefferson Sts., Oakland. All bids were taken under advisement:

General Work—Including Excavation, Concrete, Carpentry, Miscellaneous Iron Sheet Metal and Built-up Roofing

Barrett & Hilp, 918 Harrison St., San Francisco, $326,916; (1) $14,312; (2) $20,348; (3) $2,042; (4) $17,000.

R. W. Littlefield, Oakland, $334,900; (1) $12,500; (2) $14,200; (3) $8,700; (4) $4,700.

K. E. Parker Co., San Francisco, $369,800; (1) $12,000; (2) $18,000; (3) $14,000; (4) $10,000.

G. P. W. Jensen, San Francisco, $373,500; (1) $5,000; (2) $11,100; (3) $14,900; (4) $10,250.

Heating

Carl T. Doell, 467 21st St., Oakland, $35,779; (1) $719; (2) $530.

Scott Co., $39,984; (1) $744; (2) $572.

W. H. Picard, $40,146; (1) $718; (2) $493.

Plumbing

Carl T. Doell, $24,739; (1) $910; (2) $1,048.

W. H. Picard, $26,496; (1) $936; (2) $1,010.

A. Feldhammer, $28,731; (1) $——; (2) $——.

Scott Co., $30,378; (1) $916; (2) $1,068.

Plastering

T. D. Sexton, 864 Mandana St., Oakland, $27,267; (1) $1300; (2) $1100; (3) $18,500.

Wm. Makin, Oakland, $28,900; (1) $29,200; (2) $29,900; (3) $15,000.

Geo. Dixon, $29,400; (1) $250; (2) $2500; (3) $16,000.

Peter Bradley, San Francisco, $31,900; (1) $4047; (2) $2161; (3) $23,717.

Painting

B. Zelinsky, 180 Jessie St., San Francisco, $14,100; (1) $1[illegible]; (2) $665.

D. Zelinsky, San Francisco, $14,300; (1) $816; (2) $971.

A. Quandt & Son, San Francisco, $18,584; (1) $450; (2) $890.

Electrical Work

M. E. Ryan, Clunie Bldg., San Francisco, $38,100; (1) $40,740; (2) $41,274.

Standard Elec. Co., $38,800; (1) $2000; (2) $450.

NePage-McKenney Co., $39,038; (1) $2088; (2) $573.

Newbery Elec. Co., $39,294; (1) $1686; (2) $284.

Turner Co., $39,980; (1) $2180; (2) $680.

Roberts Mfg. Co., San Francisco, $40,810; (1) $2094; (2) $670.

Kings Elec. Co., Oakland, $49,000; (1) $1624, (2) $323.

Tile Roofing

Gladding-McBean Co., Crocker Bldg., San Francisco, $10,095; (1) $——; (2) $——.

United Materials Co., S. F., $10,976; (1) $——; (2) $——.

Richmond Roofing Co., $11,822; (1) $11,800; (2) $11,800.

General Equipment

Schnebly & Hostrawser, 601 Jackson St, Oakland, $33,959.

S. Kulchar & Co., $39,950.

Oakland Planing Mill Co., $55,300.

Plans Completed—Awaiting Final Approval.
SCHOOL Cost, $——
BERKELEY, Alameda Co., Cal. Longfellow School Site.
One-story brick school.
Owner—Berkeley Board of Education.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.

STORES AND OFFICES

Contract Awarded.
BUILDING Cost, $15,000
SAN FRANCISCO. N Howard between 5th and 6th Sts.
One-story class C brick mercantile building.
Owner—J. M. Kepner.
Architect—A. A. Cantin, 68 Post St., San Francisco.
Contractor—Thos. F. Mulcahy, 180 Jessie St., San Francisco.

Plans Being Prepared.
STORES Cost, $25,000
BERKELEY, Cal. Telegraph Ave. and Channing Way.
One-story reinforced concrete store building (7 stores).
Owner—Telegraph Avenue Cptn.
Architect—W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley.

Construction to Start Immediately.
STORE, ETC. Cost, $750,000
OAKLAND, Alameda Co., Cal. E Broadway 150 N 17th St.
Three-story reinforced concrete store, office and theatre building.
Owner—Fox Film Cptn.
Architects—M. I. Diggs, Easton Bldg., Oakland, and Weeks & Day, Phelan Bldg., San Francisco.
Contractor—MacDonald & Kahn, 130 Montgomery St., San Francisco.

Preliminary Sketches Prepared.
STORE BLDG Cost, $——
SAN FRANCISCO. N Ellis Street 171 W Powell.
Two-story reinforced concrete store building.
Owner—Walter H. Sullivan.
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.

Plans Being Prepared.
BUILDING Cost, $——
SAN FRANCISCO. N Folsom between 5th and 6th Streets.
One-story reinforced concrete store building.
Owner—Louis R. Lurie.
Architect—S. Heiman, 57 Post St., San Francisco.

Plans Being Prepared.
BUILDING Cost, $——
SAN FRANCISCO. N Folsom between 5th and 6th Streets.
One-story reinforced concrete store building.
Owner—Louis R. Lurie.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.

Plans Being Prepared.
STORE BUILDING Cost, $35,000
OAKLAND. SW Telegraph Ave. and Twenty-second St.
One-story brick store building (3 stores or 1 large store).
Owner—Fred C. Koerber, 505 5th St., Oakland.
Designer — Kenneth McKenzie, 1025 Anza St., San Francisco.
Contractor—Kenneth McKenzie, 1025 Anza St., San Francisco.
Mr. McKenzie will erect the building on a cost-plus basis.

Plans Being Figured.
STORE BLDG. Cost, $25,000
OAKLAND, Alameda Co., Cal. 17th St and Broadway.
One-story mezzanine and basement reinforced concrete store building.
Owner—Withheld.
Architect—Mel I. Schwartz, Nevada Bk. Bldg., San Francisco.
Figures are being taken for a general contract.

Plans Being Prepared.
OFFICE BUILDING Cost, $150,000
SAN FRANCISCO. NW Taylor and O'Farrell Streets.
Seven-story reinforced concrete office building.
Owner—Jesse H. Steinhart, Morgan Gunsta, Walter Arnstein, et. al.
Architect—Sam Lightner Hyman, Foxcroft Bldg., San Francisco.

Figures Being Taken for Grading.
MARKET BLDG. Cost, $17,000
SAN FRANCISCO. S McAllister 78 E Webster Street.
One-story and basement brick market with concrete basement.
Owner—A. G. and J. Sosnick.
Architect—Mel I. Schwartz, 1202 Nevada Bank Bldg., San Francisco.
Bids for grading are now being taken and segregated bids will be taken later on other portions of the work.

Contract Awarded
BRICK BLDG. Cost, $16,000
FRESNO, Fresno Co. Cal. Lot 17 Ptn. Lot 18 Blk 79.
Two-story and basement brick bldg
Owner—H. L. Meilen, 612 J St., Fresno.
Architects—Glass & Butner, Cory Bldg., Fresno.
Contractor—C. P. Kessling, 3414 Lowe St., Fresno.

Concrete and Carpenter Work Awarded
OFFICE BLDG. Cost, $——
SAN FRANCISCO. SE Sutter and Taylor Streets.
Six-story steel, brick and concrete office building.
Owner—J. S. Morgan.
Architect—M. V. Politeo, First National Bank Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Steel Contract Awarded.
STORES & OFFICES Cost, $110,000
SAN FRANCISCO. S Market 363 E 8th.
Three-story frame and concrete offices and stores.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—D. C. Coleman, 110 Sutter St., San Francisco.
Steel awarded to The Central Iron Works, 631 Florida St. Other subcontracts will be awarded shortly.

Contract Awarded.
BUILDING Cost, $12,800
OAKLAND. NE 23rd and Webster Sts.
One-story tile store building.
Owner—Mary E. Chestnut, 2303 Webster St., Oakland.
Architect—None.
Contractor—W. C. Marshall, Bacon Bldg., Oakland.

Plans Being Figured.
STORE BLDG Cost, $——
MARTINEZ, Contra Costa Co., Cal. Ferry St. Adjoining Martinez Hotel.
One-story hollow tile shoe store bldg.
Owner—H. F. Ketterer, Ferry Street, Martinez.
Architect—Not Given

Official Proposals

NOTICE TO CONTRACTORS

(High School Additions)

The White Pine County Board of Education will receive bids **up to 12 o'clock, noon, on the 12th day of May, 1922,** for the construction of additions and alterations to the High School building, at Ely, Nevada, according to plans and specifications furnished by F. J. De Longchamps, Architect.

Plans and specifications may be secured by local contractors on April 17th at the office of Ed Millard & Son, Ely, Nevada; outside contractors can secure plans from F. J. De Longchamps, Architect, Gazette Bldg., Reno, Nevada. A deposit of ten dollars will be required for each set of blue prints to guarantee their return; deposit will be refunded when plans and specifications are returned in good condition.

All bids shall be sealed and accompanied by a certified check amounting to at least five per cent of the amount of the bid, and made payable to the White Pine County Board of Education; checks will be returned when satisfactory bond is filed and contract signed.

All bids shall be filed with the Clerk of the Board of Education at its office in the High School Bldg., Ely, Nevada.

The Board reserves the right to reject any or all bids.

Authorized by White Pine County Board of Education, Ely, Nevada, this 12th day of April, 1922.

ED. MILLARD, Chairman.
VIRGINIA J. CAROTHERS, Clerk.

NOTICE TO CONTRACTORS AND BUILDERS

(School Addition)

NOTICE IS HEREBY GIVEN That sealed proposals will be received and opened by the Board of Trustees of the Turlock School District, Stanislaus County, California, **up to 7.30 o'clock P. M., on the 29th day of April, 1922,** at the office of the Clerk of the Board of Trustees of said school district at 104 West Main Street, City of Turlock, California, for the erection and completion of a two-story and basement addition to the Hawthorne Grammar School in the above-named district, in accordance with the plans and specifications heretofore made, adopted and on file with said clerk. Bids on the general construction and on the heating system will be received separately. Plans and specifications can be seen at the office of C. V. Lundahl, clerk of said board, at Turlock, California.

All bids must be made out on blank forms furnished by said clerk, and must be accompanied by a check for not less than five per cent (5%) of the amount bid, payable to C. V. Lundahl, clerk of said board, and certified to by some responsible banking house. This check is to be forfeited in the event that the successful bidder, after having been awarded the contract, fails within ten days to sign the contract and furnish a good and sufficient bond as required by law.

Said Board reserves the right to reject any and all bids submitted.

Dated this 14th day of April, 1922.

CHAS. V. LUNDAHL.
Clerk of the Board of Trustees of the Turlock School District.

NOTICE OF RECEIVING BIDS FOR THE CONSTRUCTION OF DRY CREEK HIGHWAY

Pursuant to an order of the Board of Supervisors of the County of Stanislaus, State of California, made and entered on the 11th day of April, 1922, notice is hereby given that sealed bids will be received by the undersigned clerk of the Board of Supervisors of Stanislaus County, **up to and not later than the hour of 10.00 A. M. of the 9th day of May, 1922,** for the construction of a plain cement concrete road, 16 feet in width, and 5 inches in thickness; of an asphalt concrete road 18 feet in width and 5 inches in thickness; and of an asphaltic macadam road, 18 feet in width and 6 inches in thickness, to be constructed on the following described road: Beginning at the Modesto City limit line at the easterly end of "H" street and running in an easterly direction along the present county road, or more commonly known as the Dry Creek road, a distance of 2 miles (10560 lin. ft.), in the Count of Stanislaus, State of California, in accordance with the plans and specifications on file in my office, where the same can be inspected by intending bidders during office hours.

All bids must be accompanied by a certified check on some solvent bank of the State of California in a sum equal to ten per cent of the amount bid, conditioned that the successful bidder will enter into such contract and furnish such bond as may be required within ten days after such award, or failing so to do will forfeit the amount of such check as liquidated damages for such failure.

Bids to be submitted on special forms which can be obtained from the County Surveyor.

The Board reserves the right to reject any or all bids.

C. C. EASTIN, JR.,
Clerk of the Board of Supervisors of the County of Stanislaus, State of California.

April 19, 1922

> A call for bids published in this section indicates that bids are desired from other than local bidders. Maximum competition is desired, and this is assured through BUILDING AND ENGINEERING NEWS which reaches every worth-while contractor and materialman in Central and Northern California who bids on public work.
>
> **Rate:** 10 cents per line, per insertion.
>
> All official calls for bids of the California State Highway Commission and Nevada State Highway Commission are published in this section.

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received by the undersigned **until 2.30 o'clock P. M., May 3rd, 1922,** for constructing a portion of the State Highway System in Elko County, between Elko and Halleck—work consisting of Grading, Construction of Culverts and placing Gravel surface.

Plans may be examined and form of proposal, contract and Specifications secured at office of undersigned. May also be examined at the County Clerk's or Division Engineer's office in Elko. Cash deposit of fifteen dollars ($15.00) with undersigned required for copy of plans, which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department, and must be accompanied by a certified check in the amount of 5% of the bid.

Each bidder must accompany his bid with a certificate from a Surety Company, duly authorized to do business in this state, stating that such Surety Company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said Specifications, conditioned for the faithful performance of the provisions of the contract and specifications.

Right is reserved to reject any or all bids.

GEO. W. BORDEN,
State Highway Engineer, Carson City, Nevada.

NOTICE TO BIDDERS ON ADDITION TO JACKSON SCHOOL BUILDING

Notice to bidders is hereby given that bids on the Jackson School Annex and also on heating plant, as per plans and specifications on file at the office of the architects, Wright & Satterlee, Bank of Italy Building, will be opened **on Wednesday, May 10th, 1922, at 7.00 P. M.,** at the office of the Superintendent of Schools, corner San Joaquin and Lindsay Streets, Stockton, Calif.

Bidders may bid upon either of the propositions—the general construction work or the Heating and Ventilating plant.

The Board of Education reserves the right to reject any or all bids.

A certified check for ten per cent of the amount of bid must accompany said bid.

Dated Tuesday, April 18, 1922.

By order of the Board of Education.
By ANSEL S. WILLIAMS,
Secretary.

NOTICE TO BIDDERS ON THE NEW VICTORY SCHOOL BUILDING

(Two-story Brick, Concrete and Frame Structure)

Notice to bidders is hereby given that bids on the new Victory School, and also heating plant, as per plans and specifications on file at the office of the Architects, Losekann & Clowdsley, Elks, Bldg., will be opened on **Friday, May 12th, 1922, at 7 P. M.,** at the office of the Superintendent of Schools, Corner San Joaquin and Lindsay streets, Stockton, Calif.

Bidders may bid upon either of the propositions—the general construction work, or the Heating and Ventilating plant.

The Board of Education reserves the right to reject any or all bids.

A certified check for ten per cent of the amount bid must accompany said bid.

Dated Wednesday, April 19th, 1922.

By order of the Board of Education.
By ANSEL S. WILLIAMS,
Secretary

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on May 15, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Colusa County, in the town of Williams, (III-Col-7-B and 15-A), about three-tenths (0.3) miles, in length, to be surfaced with asphalt concrete.

Kern County, between Sections 29 and 30, T. 31 S., R. 28 E., M. D. B. & M. and Bakersfield (VI-Ker-4-C), about ten and nine-tenths (10.9 miles in length, to be surfaced with asphalt concrete.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los

Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated April 17, 1922.

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received by the undersigned **until 1.30 o'clock P. M., May 3, 1922,** for constructing a portion of the State Highway System in Humboldt County, between five (5) miles west of Valmy and East County line—work consisting of grading, construction of culverts and placing gravel surface.

Plans may be examined and form of proposal, contract and specifications secured at office of undersigned. May also be examined at the County Clerk's office in Winnemucca. Cash deposit of fifteen dollars ($15.00) with undersigned required for copy of plans, which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department, and must be accompanied by a certified check in the amount of 5% of the bid.

Each bidder must accompany his bid with a certificate from a Surety Company, duly authorized to do business in this state, stating that such Surety Company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specificatons, conditioned for the faithful performance of the provisions of the contract and specifications.

Right is reserved to reject any or all bids.

GEO. W. BORDEN,
State Highway Engineer, Carson City, Nevada.

NOTICE TO BIDDERS ON HEATING PLANT OF THE EL DORADO SCHOOL BUILDING

Notice to bidders is hereby given that bids on the new El Dorado School Annex heating plant, as per plans and specifications on file at the office of the Architect, Frank Mayo, Yosemite Building, will be opened on **Friday, May 12th, 1922, at 7 P. M.,** at the office of the Superintendent of Schools, Corner San Joaquin and Lindsay streets, Stockton, Calif.

The Board of Education reserves the right to reject any or all bids.

A certified check for ten per cent of the amount bid must accompany said bid.

Dated Wednesday, April 19th, 1922.

By order of the Board of Education.

By ANSEL S. WILLIAMS,
Secretary

NOTICE TO CONTRACTORS

SEALED PROPOSALS Indorsed "Proposals for Machine Shop, Pearl Harbor, Hawaii Specification No. 4518," will be received at the Bureau of Yards & Docks, Navy Department, Washington, D. C., until 11 o'clock A. M. June 7, 1922, and then and there publicly opened, for completing machine shop at Naval Operating Base (Naval Station), Pearl Harbor, Hawaii. Concrete footings and steel frame (except for lenters) are under construction, the Government will furnish to contractor certain other materials on hand at the site, the contractor will furnish the remainder required and will erect all materials and complete the structure, which will have reinforced concrete walls; steel sash and doors; cast-in-place gypsum roof decks with built-up asbestos roofing; and complete plumbing, fire protection, and electric lighting systems. Drawings and Specification No. 4518 may be obtained on application to the Bureau, to the Commandant, Navy Yard, Mare Island, California, or to the Commandant, Naval Operating Base, Pearl Harbor, Hawaii. Deposit of a check or postal money order for $20, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification. L. E. GREGORY, Chief of Bureau. March 9, 1922.

NOTICE TO BIDDERS AND CONTRACTORS

One-story Reinforced Concrete Structure, $42,000

Separate sealed proposals are invited by the Board of Trustees of Pajaro School District in and of the County of Monterey, for the erection and construction and completion of a school building in said school district, for the installation of a heating system therein, for the installation of a plumbing system therein, and for the installation of an electric wiring and lighting system therein, all in accordance with the plans and specifications filed with the said Board of Trustees of said District, which said plans and specifications may be inspected at the public school house in and of said Pajaro School District.

Every proposal must be accompanied by cash or a certified check payable to the Board of Trustees of said Pajaro School District equal to ten per cent of the amount of the proposal, conditioned that the contractor, whose bid is accepted, will, within ten days from the date of notice of award, enter into a contract and give good and sufficient bonds as required by law for the fulfillment of the same. Said contractors shall each furnish a good and sufficient surety bond issue by some reputable Surety Company, conditioned that said contractor will pay for all labor, materials, supplies, machinery, implements, teams, provender etc., in and about the work of construction specified in his contract and the plans and specifications accompanying the same, and that each of said contractors shall also furnish such a good and sufficient surety bond in the sum of twenty-five per cent of the contract price for the faithful performance of his contract in accordance with the plans and specifications accompanying the same; said bonds to be subject to the approval of the Board of Trustees of said School District.

In case of a failure on the part of the bidder to enter into the contract within the period hereinbefore specified, the amount of the deposit of such bidder will be forfeited to said school district. Upon the execution of the contract and approval of the bonds, the deposit will be returned to the bidder. The deposit of persons other than the one to whom the award of contract is made will be returned to the persons making the proposal immediately after the contract and bonds have been executed.

Bids will be received up to and including May third, A. D. 1922, at 8 o'clock p. m., and must be addressed to Thomas S. Hudson, the Clerk of the Board of Trustees of Pajaro School District, Watsonville, R. F. D. No. 2, Box 79, and endorsed either,

"Proposal for installation of school building in and of Pajaro School District,"

or

"Proposal for installation of heating system in school building to be constructed in Pajaro School District,"

or

"Proposal for installation of plumbing system in school building to be constructed in Pajaro School District,"

or

"Proposal for the installation of electric wiring and lighting system in school building to be constructed in Pajaro School District."

Said bids may be delivered in person to the Clerk of said Board. Said bids and proposals will be opened by said Board at 8 o'clock P. M. on the **3rd day of May, A. D. 1922, at the** public school house in and of said district on the Watsonville-Salinas Public Road.

The Board reserves the right to reject any and all bids and proposals.

By order of the Board of Trustees dated **April 17th, A. D. 1922.**

THOMAS S. HUDSON,
Clerk of the Board of Trustees.
A. T. DRESSER,
Trustee.
GEORGE B. KENNEDY,
Trustee.
As and constituting the Board of Trustees of Said Pajaro School District.

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN That the Board of Education, Bakersfield School District, Bakersfield, California, will receive sealed bids for the furnishing of all materials and labor for and the erection and completion of the following:

1. Hawthorne School Unit No. 2.
2. Additions to the Lincoln School building.
3. Additions to the McKinley School building. Said bids will be received **up to 7.30 P. M. of the 11th day of May, 1922,** at the office of said Board of Education in the City Hall, Bakersfield, California.

Bids will be received separately or as a whole. Bids to be segregated as follows:

General contract, plumbing, heating, painting, electric work.

Plans and specifications for the above mentioned work are on file with the Clerk of the Board and open for the inspection of Bidders. Copies of said plans may be had at the office of Charles H. Biggar, architect, and the work will be done under his supervision. Deposit for return of said plans will be required.

Each bid must be accompanied by a certified check in the amount of ten per cent of the amount bid, such check to be made payable to the Bakersfield School District and said check will be held as evidence of good faith that the successful bidder will enter into contract for the completion of the work and furnish good and sufficient bond therefore; otherwise such check will be forfeited to the Board.

The Board of Education reserves the right to reject any or all bids or to waive any informality in any bid received.

By order of the Board of Education, Bakersfield School District, made April 13, 1922.

HARRIET W. PEACOCK, President.
E. R. LONG, Secretary.

BUREAU OF YARDS AND DOCKS, Navy Department, Washington, D. C.—Bids are wanted until June 7, Spec. 4518, for superstructure for new machine shop at Pearl Harbor. Deposit for plans, $20. For information address the chief of bureau.

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., March 17, 1922—SEALED PROPOSALS will be opened in this office at 3 P. M., April 28, 1922, for metal shelving for the United State Post Office, Custom House, and Court House buildings at Honolulu, T. H. Drawings and specifications may be obtained from the Superintendent of Construction of the building at Honolulu, T. H., from J. W. Roberts, Supervising Superintendent of Construction, Room 403, Post Office and Court House, San Francisco, Calif., or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

YUBA CITY, Sutter Co., Cal.—Until May 8, 2 P. M., bids will be received by supervisors to rebuild flooring in Feather river bridge between Marysville and Yuba City—work to be financed by Sutter and Yuba counties. Bids will be taken for both wood and concrete flooring. New steel beams and steel railings will be placed. Oscar Lanzendorf, county engineer.

LOS ANGELES, Cal.—Until 11 A. M., May 1, bids will be received by the Los Angeles Board of Supervisors for furnishing 8000 creosoted piling and 8000 untreated piling. Certified or cashier's check for 10% required.

PRESCOTT, Ariz.—City Engineer Art Kline has been ordered by the Council to prepare plans and specifications for a bridge over Granite Creek to link east and west Prescott, opening the way for improvement of West Gurley St.

GLENDORA, Cal.—O. L. Petersen 1599 W. 21st St., Los Angeles, submitted the low bid to the city trustees for constructing a reinforced concrete reservoir, 150 ft. diameter 16 ft. deep, 2,000,000 gallons capacity, involving 5000 cu. yds. excavation. Other bids were: L. A. Construction Co., $19,417; Shepard & Weber, $19,600; J. C. Bannister, $19,900; E. H Wolters, $20,638.36; Chas. E. Fisher Co., $20,173; Mercereau Bridge & Constr. Co., $20,900, Paul H. Ehlers, $21,200; Stanton & Hubert, $22,076; H. N. Hannawalt, $23,050; H. G. Klusman, approximately, $23,000; Frank H. Greene, $23,875; Elgar T. Wheeler Co., $23,300. Frank Hudson, $24,275; F. P. Smith bid 50c cu. yd. excavation. The four lowest bids were taken under advisement. O. A. Gierlich, Monrovia, City Engineer.

PRESCOTT, Ariz.—City Engineer Art Kline has been ordered by the Council to prepare plans and specifications for a concrete dam across Banning creek in the mountains south of the city, adding 100,000,000 gallons to the city's present storage capacity. Bids will be called for within two weeks.

LOS ANGELES, Cal.—Until 11 A. M., May 1, bids will be received by supervisors for furnishing County Flood Control District, 8000 piling treated with creosote, and 8000 untreated piling.

EL CENTRO, Cal.—No bids were received by Imperial Irrigation District, for raising, rock revetting, patrolling and maintaining Ockerson, Saiz and Volcano Lake levees in Republic of Mexico. Work was ordered done by force account under superintendence of Chief Engineer Ray S. Carberry.

OAKLAND, Cal.—Healy-Tibbitts Co., Main St., San Francisco, at $6770, awarded contract by supervisors to replace piles, caps, braces and wales with necessary hooping, bolting, etc., in the fender or dolphin piles at Webster street bridge, involving 5000 lin. ft. creosoted piles; 5.00 M ft. B. M. creosoted O. P. timber; and 1.00 M. ft. B. M. untreated O. P. timber. Other bidders: Tibbitts-Pacific Co., $6920; A. W. Kitchen, $7191.

SANTA ANA, Cal.—Until 11 A. M., April 25, bids will be received by supervisors for constructing two timber bridges across El Toro creek, near El Toro, in 5th Road District, Orange county. J. L. McBride, county road commissioner.

FORTUNA, Humboldt Co., Cal.—Until April 28, 6 P. M., bids will be received by Geo. R. Lane, town clerk, to construct concrete bridge over Rohner creek. F. A. McKee, town engineer.

RIVERSIDE, Cal.—Until 10 A. M., May 8, bids will be received by supervisors for constructing a pile trestle bridge 342 ft. long over storm drain at Bell crossing on the Thermal-Mecca road; also for constructing pile trestle bridge 45 ft. long over 26th Ave., drain canal on Neighbors Blvd., south of town of Ripley. Plans and spec. may be obtained from County Surveyor A. C. Fulmor. D. G. Clayton, clerk of board.

GLENDORA, Cal.—O. L. Petersen, 1599 W 21st St., Los Angeles, submitted low bid to city trustees for constructing reinforced concrete reservoir, 150 ft. diameter, 16 ft. deep, 2,000,000 gallon capacity, involving 500 cu. yds. excavation. The bid was: (1) excavation, weir boxes, etc., 50c yd; (2) constructing reservoir, $16,898; (2a) alternate to item 2—without compartment wall, $16,148; (3) reservoir with center compartment wall, including excavation and backfill, etc., $19,634; (3a) alternate to item 3—with center compartment wall, including excavation, etc., $18,-881; (4) two reinforced concrete weir boxes, $——; (5) applying ¼-in. coat gunnite, instead of cement wash, $——.

RENO, Nevada—R. A. Burrows, Reno, at $773, awarded contract by council to construct culvert at Reno Light and Power Plant. Other bidders: J. L. Hopkins, $961; C. R. Hill, $896.

LOS ANGELES, Cal.—Frank Hudson, Higgins Bldg., submitted the low bid to the supervisors Apr. 17, at $33,486, for constructing reinforced concrete bridge of three 54-ft. spans, 24 ft. roadway, with concrete pier sand abutments, on Workman Mill road, over San Jose Creek.

CALIFORNIA — As previously reported bids will be received by State Highway Commission May 8, to construct in San Luis Obispo and Santa Barbara counties, across Cuyama river, about 14 miles east of Santa Maria, a bridge consisting of one 200-ft. steel truss span and 5 30-ft. reinforced concrete girder approach spans with necessary pier, abutments and bents. Project involves: one steel span, 200 ft. 3 in. center to center of end pins, erected in place and painted complete, except reinforced concrete floor; 630 cu. yds. class A Portland cement concrete in place, in pier, abutments, wing walls, caps, beam over pier, approach spans and floor of steel span; 245 cu. yds. class C Portland cement concrete in place, in pier; 92 Douglas fir piles in place; 16 reinforced concrete piles in place. Commission will furnish reinforcing steel, in straight bars cut to lengths, and cement.

Engineers and Contractors
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We are California Factory Distributors for
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IRRIGATION PROJECTS

TUSCON, Ariz.—Applications have been made to the board of supervisors of Pima county, for formation of irrigation districts as follows:

Jaynes Irrigation District, embracing 1108 acres, by appropriating waters in Rillito and Santa Cruz Valleys, both surface and underground. Petitioners are: W. A. Knapp, Matt Wachter and J. L. Thigpen.

Flowing Wells Irrigation District, embracing 2600 acres, by appropriating waters in Rillito and Santa Cruz Valleys, both surface and underground. Petitioners are: Mrs. William Young, F. S. Lowe and J. L. McDowell.

MARTINEZ, Contra Costa Co., Cal.—County Surveyor R. R. Arnold preparing spec. for irrigation ditches to cross county highways in eastern section of county in Knightsen Irrigation District.

LIGHTING SYSTEMS

PASADENA, Cal.—W. A. McNally Co., 106 W Colorado St., Pasadena, low bidder at $20,222, for constructing underground electric conduits, ducts and laterals in Grand Ave. and portions of other streets. Other bids were: Southern California Electric Co., $23,333.33; M. N. Budenach, $27,400; R. N. Nikcevich, $29,600; Edwin A. Irish, $31,980.

FULLERTON, Cal.—Trustees declare intention to construct ornamental lighting system on E. Union Ave., and portions of seven other streets: 1911 Act and 1915 Bond Act. Ben F. Dupuy City Engineer.

BUREAU OF YARDS AND DOCKS, Navy Department, Washington, D. C.—Bids are wanted until April 26, Spec. 4614, for street lighting system for naval hospital at San Diego(Calif. Deposit for plans, $10. For information address the chief of bureau.

FAIRFIELD, Solano Co., Cal.—H. C. Reid Co. 115 Mission street, San Francisco, at $5,600 awarded contract by the City Trustees to install 33 electroliers in Texas street. Other bidders, Globe Electric Works, $8000; Dowdell $9,000; Parr, $6,600.

MACHINERY

EUREKA Humboldt Co., Cal.—Until April 29, 10 A. M., bids will be received by Fred M. Kay, County Clerk, for construction and installation of steam boiler in new Tubercular Hospital at the county hospital grounds. Specifications on file in office of the clerk.

PASADENA, Cal.—Until 11.30 A. M., April 25, bids will be received by city clerk, Bessie Chamberlain, for 6000 ft. 6-in. and 6000 ft. of 8-in. cast iron pipe, with necessary fittings for use in water department.

MADERA, Madera Co., Cal. — San Joaquin Light & Power Co., Paul B. Wilson, manager, has made contracts for electric power for pumping plants with twenty-three ranchers representing 1158 acres. Among those near

Street Re-paving—Now

WHEN the Borough Asphalt Paving Company of Brooklyn, N. Y. takes a contract, it does not play with it. The job goes right through.

Ocean Parkway, Brooklyn, shown above, is a wide and important thoroughfare. The three Keystone Excavators take up fifteen inches of macadam, curb to curb, at the rate of 1000 cubic yards per eight-hour day. The street is left to the exact grade. There is no roller on the job.

The husky Keystone Model 4 Excavators, with 18-foot booms and 14 feet of horizontal crowd, handle this work as such jobs should be handled—now!

Heavy capacity motor trucks remove the spoil. Asphalt gangs with two power mixers follow up the Keystone shovels. There is a punch that means rapid completion and profit. The job moves.

The Keystone is a general utility steam shovel with all the efficiency of specialized design. It can be equipped with three readily interchangeable buckets, Skimmer, Drop-Bottom Ditcher, and Clamshell. Write for new illustrated catalogue.

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9-D-7

"EVERYTHING FOR THE CONTRACTOR"
HARRON RICKARD & McCONE
San Francisco — Los Angeles

Madera are: James Walsh, M. C. Phillips, C. S. Carpenter, Noren Bros., E. B. and A. M. Scott, H. Rudolph, J. H. Barnett, P. B. Wilson, H. E. and C. A. Langdon, Sayre Ranch, and J W. Henderson.

LOS ANGELES, Cal.—Bids received by Public Service Commission for furnishing twenty-four 8-in. hub end gate valves, f. o. b. 2nd and Rose Sts., follow: Fairbanks-Morse Co., Pittsburg, double disc type, 265 lbs., delivery in 3 to 5 weeks, $24.60 each. Crane Co., Crane solid wedge, 237 lbs., delivery in 30 to 45 days, $22.50 each. Smith-Booth-Usher Co., Nelson double disc, 290 lbs., shipment in 3 weeks from factory, $22 each. R. D. Wood & Co., Eddy double disc, 290 lbs., delivery in 4 weeks, $36 each. Pacific Pipe & Supply Co., double disc, 434 lbs., delivery not stated, $24.82 each. Shinn, Holtz & Lyon Co., McNab double disc, 290 lbs., delivery in 40 days, $23 each. N. O. Nelson Mfg. Co., Walworth double disc, delivery in 20 days from factory, $25.25. Mark, Lally Co., Walworth solid wedge, 227 lbs., immediate delivery, $27. Republic Supply Co., Fairbanks double disc, 240 lbs., delivery in 45 days, $28. Waterworks Supply Co., Rennselaer double disc, delivery in 6 weeks, $31.95. Grinnell Co. of the Pacific, Kennedy double disc, part delivery immediately, balance from factory at once. Bids taken under advisement.

LOS ANGELES, Cal.—Board of public works approves recommendation of City Engineer John A. Griffin, that the city appropriate $153,000 for constructing 3,000,000 gallon capacity treatment plant at Ballona creek, consisting of 2-story reinforced concrete settling tanks with sprinkling filters.

LOS ANGELES, Cal.—Until 3 P. M., May 2, bids will be received by public service commission, 207 S Broadway, for bus insulators and accessories. Spec. No. 269. Jas. P. Vroman, secretary.

LOS ANGELES, Cal.—Bids received by public service commission for 5000 ft. of 12-in. steel pipe were: U. S. Steel Products Co., $1.10 per ft. f. o. b. Pittsburg, Matheson joint pipe, 27,773 lbs. per ft.; delivery from National Tube Co's factory 2 weeks after receipt of order. L. A. Mfg. Co., $1.69 per ft. f. o. b. cars, Raymer, Calif.; delivery to be completed in 95 days. Western Pipe and Steel Co., $1.58 per ft. f. o. b. Los Angeles and $1.63 f. o. b. Raymer Calif.; delivery in 90 days from date. Lacy Mfg. Co., $1.50½ per ft. f. o. b. works, and $1.56 f. o. b. Raymer, Calif.; delivery in 60 days Baker Iron Works, $2.23½ per ft. f. o. b. works and $2.29 per ft. f. o. b. Raymer, Calif.; delivery in 7 weeks.

Following bids received for (1) 50 4-in. standard black pipe couplings, (2) 5000 ¾-in. standard galvanized beaded malleable street ells, and (3) 2000 1-in. ells, were: Grinnell Co. of the Pac., (1) 54c each, (2) $8.53 per 100; (3) $9.72 per 100; f. o. b. 2nd and Rose Sts.; delivery at once on (1) 50, (2) 3000, and (3) 750; balance in 60 days. Fairbanks-Morse & Co., (1) $55, (2) $7.80, and (3) $9.20 per 100, f. o. b. Los Angeles; delivery from factory in 4 weeks. N. O. Nelson Mfg. Co., (1) 63c each, (2) $8.25 per 100, and (3) $9.25 per 100; delivery (1)20 and (2) 3800 at once, (3) 200 in one week, balance in 20 to 30 days. Thos. Haverty Co., total of $872.50; immediate delivery. Crane Co., (1) $54.73, (2) $8, and (3) $8.95 per 100; one-quarter delivered at once, balance in 30 to 45 days. Smith-Booth-Usher Co., (1) $60.-80, (2) $8, and (3) $8.50 per 100 f. o. b. warehouse; shipment from Philadelphia in 3 days from date of order. Republic Supply Co., (1) 53c, (2) .0754, and (3) .0864 each; delivery at warehouse in 30 days. Pac. Pipe & Supply Co., (1) 55c, (2) 7c, and (3) 9½c each; immediate delivery.

Following bids received for (1) 8000 pieces 4-in. B, bell and spigot cast iron water pipe, and (2) 4000 pieces 6-in. 12-ft. lengths were: Cast Iron Pipe & Foundry Co., (1) $50.80 ton, (2) $46.80 ton (5 meter lengths), $47.80 ton. Delivery on cars at Enterprise St. yard. Pac. Pipe & Supply Co., (1) $52.10 per 100 ft., (2) $48.10 per 100 ft.; delivery one-half in May, balance in June. American Cast Iron Pipe Co., (1) $52.35 ton, (2) $48.35 ton; 16-ft. lengths, $1 per ton extra, f. o. b. Enterprise St yard; delivery in May.

LOS ANGELES, Cal.—Baker Iron Works, 912 N Main St., submitted low bid to public service commission, at $2973, for one 35-ton traveling crane. Other bids were: Northern Engineering Works, $3525; Whiting Corp., $3650; Pawling & Harnischfeger, $4275; Niles Bennett, Pond Co., $4400; Cleveland Crane & Engineering Co., $4765; Union Iron Works, $5957.

ANAHEIM, Cal.—Until May 11, bids will be received by City Clerk Edw. B. Merritt, for deep well pump and motor.

LOS ANGELES, Cal.—Until 4 P. M., May 1, bids will be received by the Board of Education, Room 5, 1437 S San Pedro St., for dump trucks. Spec. on file at purchasing department. Certified check or bond for 5% required. W. E. Record, business manager.

EUREKA, Nevada—County Commissioners reject bids received for furnishing and delivering 10-ton tractor. Holt Mfg. Co. bid $5250, and Nevada Cadillac Co., $5450. Nevada State Highway Commission will furnish same to county, one 10-ton Holt Artillery type tractor for $736, f. o. b. Reno.

HUNTINGTON PARK, Cal.—Bids submitted to city trustees for supplies to waterworks department were: Lacy Mfg. Co., 45.1c ft. 8000 ft. 6-in. steel riveted pipe; 31.35c ft.; 15,000 ft. 4-in. pipe; Western Pipe and Steel Co., $46.74 per 100 for 6-in. pipe, $32.25 per 100 for 4-in.; Baker Iron Works, 47¾c ft. 6-in. pipe, 33.8c ft. 4-in.; Shinn, Holtz & Lyon Co. bid only on valves. L. A. Mfg. Co., 48.2c ft. 6-in. and 34.2c ft. 4-in.

SEATTLE, Wash. — Westinghouse Elec. and Mfg. Co., Spokane St., and East Marginal Way, Seattle, at $114,-877 submits only bid to Board of Public Works, for furnishing electrical equipment to be installed at the Gorge Creek plant of the Skagit development project. The contract will involve furnishing switchboards, both high tension and low tension oil switches, motor generator sets, station service transformers, wires, cables, etc.

RAILROADS

ELKO, Nevada — Reports received here that construction will be started shortly by Idaho Central Railway, on proposed railroad between Rogerson, Idaho and Wells, Nevada, furnishing transportation to Contact, the center of one of the largest mineralized districts in the country.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

SAN FRANCISCO—Board of Public Works rejects bids to improve Edna St. between Marsten and Hemlock Aves. Low bid submitted by A. J. Raisch, $5,873.

Bids rejected to improve Marston between Edna and Balboa Park; low bid submitted by A. J. Raisch, $5,320.

Bids rejected to improve Judah St. between 48th Ave. and La Playa; low bid submitted by E. J. Treacy, $4,532.

SAN FRANCISCO—Fay Improvement Co., Phelan Bldg., at $16,764, awarded contract by Board of Public Works to improve Paris St. between France and Italy.

LODI, San Joaquin Co., Cal.—Until April 24, 8 P. M., bids will be received by J. F. Blakely, city clerk, to improve Sacramento St. between Lodi Ave. and Spruce St.; grading, combination hydraulic concrete curbs and gutters; paving with 2½-in. asphaltic concrete base with 1½-in. Warrenite surface.

Separate bids, same date, for similar improvements in Tokay St. between Sacramento and S. P. right-of-way, and from that point to Central Ave., and from that point between east city limits. L. F. Barzellotti, city engineer.

SAN JOSE, Santa Clara Co., Cal.—A. J. Raisch, San Jose ,awarded contract by council to improve north ½ of Santa Clara St. between 26th and 27th; asphaltic concrete pavement with 4-in. concrete base, 31c sq. ft.; concrete gutter, 30c sq. ft.; concrete box culvert, $1.25. Santa Clara St. between 28th and King Road; concrete curb, 70c lin. ft.; gutter, 30c sq. ft.; cement walks, 20c sq. ft. Wm. Popp, city engineer.

OAKLAND, Cal.—Council declares intention to construct cement sidewalks in Grove St. between 22nd and 36th and other portions of Grove St. Imp. Act 1911. Protests May 4. W. W. Harmon, city engineer.

FRESNO, Fresno Co., Cal.—Council awards contracts for street work as follows:

California Road and Street Imp. Co., Bank of Italy Bldg., at $5490, to improve Clinton Ave. between Wishon and Moroa, involving 22,200 sq. ft. grading; 11,840 sq. ft. paving; 1420 sq. ft. gutter; 740 sq. ft. curb and 3700 sq. ft. sidewalk.

Kaufield & Tompkins, 2225 Fresno St., to construct 15,381 sq. ft. sidewalks in E St. between Merced and Calaveras.

Frederickson & Shannon, Cory Bldg., at $1953, to improve Alley between L St. and Van Ness, involving 7000 sq. ft. grading and paving.

Frederickson & Shannon, at $1953, to grade and pave 7000 sq. ft. in alley between M and N Sts.

SEBASTOPOL, Sonoma Co., Cal.—Warren Construction Co., Rialto Bldg., San Francisco, awarded contract by the Trustees to pave portions of Santa Rosa avenue and Main street.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy seeks the following appropriations in 1922-23 budget: Esplanade, $150,000; sewers, $438,500; Rincon hill survey, $5,000; street signs, $10,000, underground mars (sewers), $3,000; Evans avenue viaduct, $40,000; street repairs, $5000; streets facing city property, $50,000; Liberty and Sanchez streets, $37,000; Collingwood street $34,000; Douglas street, $18,500. Total. $791,000.

CARSON CITY, Nevada—Redmond & Page, Balboa Bldg., San Francisco, at $23,717, awarded contract by state highway commission to construct highway in Douglas county from 6.06 miles north of Minden to 8.43 miles north, designated as Douglass 3-C-2-A. Other bidders: Wilmhurst & O'Day, San Francisco, $35,223.50; Mullins & Palm, Salt Lake City, Utah, $34,232; C. Miles, Sacramento, $29,067.50; Kroft & Bundy, Odgen, Utah, $26,989.75; M. P. Armstrong, Fallon, Nevada, $26,019.50; Nevada Contracting Co., Fallon, Nevada, $24,322.25.

Wm. N. Strahan, Portland, Ore., at $35,149, awarded contract to construct highway in Pershing county from Zola to Humboldt house. Other bidders: Mullins & Palm, Salt Lake City, Utah, $42,832; J. H. Causten, Lovelock, Nevada, $42,605.

SAN FRANCISCO—Until April 26, 3 P. M., bids will be received by Board of Public Works to improve Judah St. between La Playa and 48th Ave., involving 404 cu. yds. cut; 480 lin. ft. concrete curb; 2400 sq. ft. artificial stone walks; 12,000 sq. ft. asphaltic concrete pavement.

Separate bids, same date, to improve Edna St. between Marston and Havelock, involving 295 cu. yds. cut; 580 lin. ft. concrete curb; 3348 sq. ft. artificial stone walks; 5700 sq. ft. asphaltic concrete pavement and 2812 sq. ft. concrete pavement; 4 brick catchbasins; 80 lin. ft. 10-in. culvert; 160 lin. ft. 12-in. and 30 lin. ft. 15-in. sewer; 10 12-in. wye branches; 1 brick manhole.

Separate bids, same date, to improve Marston Ave. between Edna and Balboa

Park, involving 646 cu. yds. cut; 740 lin. ft. concrete curb; 4494 sq. ft. artificial stone walks; 9382 sq. ft. asphaltic concrete pavement. M. M. O'Shaughnessy, city engineer.

CARSON CITY, Nevada—Following are approximate quantities of materials to construct 10.84 miles of highway in Humboldt county, bids for which will be opened by state highway commission, May 3: 50,000 cu. yds. excavation without classification; 140 cu. yds. class A and 40 cu. yds. class B concrete; 114 lin. ft. 15-in., 312 lin. ft. 18-in. and 368 lin. ft. 24-in. corrugated metal pipe; 28 monuments; 2 sign posts; 11,570 cu. yds. loading gravel; 18,770 yd. miles hauling gravel; 63,616 sq yds. gravel (spreading); 10.84 miles preparing subgrade and shoulders. Geo. W. Borden, state highway engineer.

LOS ANGELES, Cal.—Standard Oil Co. submits only bid to city purchasing agent, at $13.60 a ton for furnishing asphaltic cement during one year for use in engineering department.

OAKLAND, Cal.—Until April 27, 12 M., bids will be received by Eugene K. Sturgis, City Clerk, to improve 49th avenue, between E-12th and E-14th streets; grading, construction of concrete curbs, gutters and sidewalks, paving with oil macadam, concrete culverts, etc. W. W. Harmon, City Engineer.

WALLA WALLA, Wash. — Council contemplates expenditure of $90,000 for street and sewer improvements.

SAN DIEGO, Cal.—California Construction Company recently awarded contract for paving Roosevelt Memorial Drive, has refused to enter into contract until suit brought by one property owner to compel city to issue bonds for the improvement has been settled. Under present laws city will pay one-fourth of cost, remainder to be assessed against abutting property. Case will be heard April 24.

OXNARD, Cal.—Trustees declare intention to improve portions of Fifth street, by grading and paving with 6-in. concrete; Enterprise street by grading and paving with 5-in. concrete. Alley between E and F streets, from 2nd to 3rd Sts., by grading and paving with 4-in. concrete; A St., between 6th and 8th Sts., by grading and paving with asphaltic concrete wearing surface on 4-in. concrete base; B St., between 6th and 8th Sts., by grading and paving with 1½-in. asphaltic concrete wearing surface on 4-in. bituminous base; and constructing cement gutters, curbs and walks in portions of streets named and other streets; 1911 Act. Samuel G. Bennett, City Engineer.

FRESNO, Fresno Co., Cal.—Until May 4, 3:30 P. M., bids will be received by R. Y. St. George, City Clerk, to improve Montecito Ave., between Hazelwood and Fourth streets, involving 86,524 sq. ft. grading, 81,190 sq. ft. 2½ in. black base with 1½-in. Warrenite top pavement, 2,115 lin. ft. curb; 5,120 sq. ft. gutter, 7,220 sq. ft. walks; 320 lin. ft. 12-in. and 591 lin. ft. 18-in. corrugated culverts.

Separate bids, same date, to improve Lucerne Lane between Olive and Floradora street, involving 54,657 sq. ft. grading; 12,856 sq. ft. 3½-in. asphaltic base with 1½-in. Warrenite top pavement, 4,029 sq. ft. gutter; 2,493 lin. ft. curb; 11,732 sq. ft. walks, 106 lin. ft. 12-in. corrugated culvert, 2 manholes.

Separate bids, same date, to construct 740 lin. ft. 6-in. sewer and one manhole in Block 8 and 21, Hazelwood. Wm. Stranahan, City Engineer.

MODESTO, Stanislaus Co., Cal.—Until April 26, 8 P. M., bids will be received by L. A. Love, City Clerk to improve Magnolia avenue, between Needham and Stoddard streets. Grading, paving with 2½-in. asphaltic concrete base with 1½-in. Warrenite-Bitulithic surface, concrete curbs and gutters and installing concrete (Marbelite) electroliers.

Separate bids same date to improve Magnolia avenue, between Stoddard and Lateral 4 of Modesto Irrigation District, and Stoddard from Block 548 to Magnolia Ave., grading, paving with 2½-in. asphaltic concrete base with 1½-in. Warrenite-Bitulithic surface, concrete curbs and gutters and installing (Marbelite) concrete electroliers.

Separate bids, same date, to improve Sixth street, between K and L streets, improvements as in other streets with exception of electroliers.

Separate blds, same date, for similar improvements in portions of Fairview avenue, Pleasant and D streets, etc., with exception of electroliers. Geo. Freitas, City Engineer.

PLANADA, Cal.—Plans are under way for a road district in Le Grand, Painsburg and Planada, to build a highway from Lingard to Yosemite highway at Planada. Members of the Planada committee are H. H. Raymond, H. E. Hadley and H. E. Cronkite.

GRASS VALLEY, Nevada Co., Cal.—City Trustees plan grading and paving of three miles of streets. Engineer W. S. Farley, Monadnock Bldg., San Francisco, has submitted estimates of cost.

TRACY, San Joaquin Co., Cal.—Trustees declare intention to improve portions of North D St., by grading, constructing concrete curbs and paving with 5½-in concrete with 1½-in. topping of natural bitumen, catchbasins, water and sewer connections, sewer extensions, manholes, etc. Imp. Act 1911 and Bond Act 1915. W. D. Harrington, city engineer.

OROVILLE, Butte Co., Cal.—Until May 3, 2.15 P. M., bids will be received by C. F. Belding, county clerk, to construct Biggs Princeton Road, Rt. 6, Sec. A, county highway system, 3.40 miles, involving 4000 cu. yds. unclassified grading; 269,000 sq. ft. asphaltic concrete pavement with 2½-in. base course and 1½-in. wearing surface or 269,000 sq. ft. asphaltic concrete pavement with 3½-in. base course and 1½-in. wearing surface.

Separate bids, same date, to construct Nelson Blavo to Butte Creek Road, Rt. 10, Secs. A and B, 6.07 miles, involving 7,488.0 cu. yds. earthwork without classification; 11,029.0 tons broken stone surfacing; 418.0 tons asphalt oil Grade E spread.

Separate bids, same date, to construct Ricton road, 2.99 miles, involving 5,187.0 cu. yds. unclassified grading; 6,420 tons broken stone surfacing and 206 tons asphalt oil Grade E, spread.

Harry H. Hume, county surveyor.

CALIFORNIA—State Highway Engineer Austin B. Fletcher has recommended seven forest highway projects to be paid for from federal funds allotted to California. They are: Cuyama lateral, section from west line of Santa Barbara national forest east, $200,000; Big Pine to Oasis, section to be determined later, $100,000; Auburn to Verdi, section from one mile west of Cisco to Summit of Donner Pass, 13 miles west, $100,000; Big Bear Valley, Deep Creek cut-off, San Bernardino County, $168,697.

BOISE, Idaho—Col. D. P. Olson, director of Bureau of Highways at Boise, will call bids in immediate future to pave 13 miles of North Pacific highway from city of Coeur d'Alene, Idaho, west to the Washington state line, involving approximately 134,000 sq. yds. pavement; estimated cost, $400,000. Spec provide for a 20 ft. road and bids will be asked for both brick and concrete paving.

POMONA, Cal.—Until 2 P. M., May 2, bids will be received by city clerk, for constructing 30-in. reinforced concrete pipe storm drain, concrete sills and culverts in Garey Ave. between Bertie and 6th Sts., 16-in. reinforced concrete pipe with concrete sills, between SW curb return of Bertie St. and 17 ft. S of Bertie St., five cement concrete catchbasins, five cement concrete and cast iron manholes, 1911 Act. F. C. Frochds, city engineer.

STOCKTON, San Joaquin Co., Cal.—Until May 2, 3 P. M., bids will be received by Eugene D. Graham, county clerk, for road improvements (E. J. Mettler, Road No. 525) in District No. 5, work under Road Dist. Imp Act 1907, F. E. Quall, county surveyor.

JACKSON, Amador Co., Cal.—Until May 1, 8 P. M., bids will be received by trustees to improve portions of Main, Water, Vogan and Broadway streets. Project involves 47,216 sq. ft. oil macadam pavement; $61.9 lin. ft. brick storm drains and 486 lin. ft. concrete curb. Ohm an Raab, engineers, Stockton.

FRESNO, Fresno Co., Cal.—Until May 5, 2 P. M., bids will be received by D. M. Barnwell, county clerk, to pave 5 miles of Shaw Ave., a part of county highway system, involving 6820 cu. yds. earthwork without classification; 421,185 sq. ft. 3½-in. asphaltic concrete base and 421,403 sq. ft. 1½-in. asphaltic wearing surface (bids will be taken on two types of wearing surface, A and B); estimated cost, $100,000. Chris. P. Jensen, county surveyor.

EL MONTE, Cal.—Trustees declare intention to improve streets as follows: Columbia St. bet. Main and Lexington Sts.; Granada Ave. bet. Main St. and P. E. tracks; Amador St. bet. Lexington and Washington Sts.; Washington St. bet. Columbia St. and line of lot 21, Tr. 2896; Lexington St. bet. Lexington and 170 ft. north of Columbia St.; Brockway Ave. bet Hoyt and Lexington Sts.; Hoyt bet. Columbia and Brockway; Tyler St. bet. Columbia and city limits; and portions of Cleminson and Las Flores Drive. Work comprises grading, 5-in. cement concrete pavement, curbs, and 5 ft. walks; also 8-in. vitrified pipe sewer; 1911 Act. B. B. Moore, city clerk. Plans have been ordered and bids called for shortly.

RIVERSIDE, Cal. — The Arlington sewer has been abandoned on account of controversy over bid accepted. City Engineer Lee Nafzgar has been instructed to prepare resolution of intention and present a new map at the next meeting.

MERCED, Merced Co., Cal.—Supervisors will call for bids about May 2, for road work as follows:

R. D. I. No. 1, 22½ miles 5-in. asphaltic macadam, 16 ft. wide; estimated cost, $249,800.

R. D. I. No. 2, 7 miles 5-in. asphaltic macadam, 16 ft. wide; estimated cost, $81,000. J. F. McSwain, Merced, engineer.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy, completes spec. to sewer Hollister Ave. between Griffith and Hawes; estimated cost, $2350, involving 600 lin. ft. 12-in. vitrified sewer; 18 wye branches; 1 brick manhole.

Spec. completed to sewer Peabody St. between Leland and Visitation; estimated cost, $1130, involving 300 lin. ft. 8-in. vitrified pipe; 18 8-in. wye branches, 72 lin. ft. 6-in. side sewers; 1 brick manhole.

CALIFORNIA — Following bids received by State Highway Commission April 17, to pave with bituminized macadam 11.7 miles of highway in Sonoma county between Santa Rosa and Belanto: Standard Industrial Engineering Cptn., S. F., $158,210.50; Grant Smith & Co., S. F., $169,366.50; C. H. and A. W. Gorrill, Oakland, $203,393.60; Fred Hoffman, Berkeley, $207,369.40; Blumankanz & Vernon, Stockton, $212,893; Warren Constr. Co., Oakland, $220,579.50; Conner & Hansen, Santa Rosa, $227,224.50 R. J. Blanco & W. J. Taylor Vallejo, $230,350. Engineer's estimate, $209,734

LOS ANGELES, Cal.—H. E. Cox, 305 Slavin Bldg., Pasadena, submitted low bid to the supervisors at $13,997, for improving 90th, 91st and 92nd Sts. between Budlong and Vermont Aves. In R. D. I. No 201, 4800 lin. ft. involving 5446 cu yds excavation; 4800 lin. ft. shaping and rolling, 8148 ft. curb; 32,675 sq. ft. walk.

SAN FRANCISCO—Fay Improvement Co., Phelan Bldg., at $96,131 awarded contract by the Board of Public Works to improve streets in Mission Terrace, involving 15,980 lin. ft. concrete curbs and 300,540 sq. ft. asphalt concrete pavement.

City Constr. Co., Call Bldg., at $2,429 awarded contract to improve crossing

of Munich and Persia avenues, involving 80 cu. yds. cut, 88 lin. ft. concrete curbs; 3,604 sq. ft. asphalt concrete pavement; 30 lin. ft. 12-in. sewer; 121 lin. ft. 10-in. culvert; 4 brick catchbasins and 554 sq. ft. artificial stone sidewalks.

SANTA ANA, Cal.—Geo. R. Curtis, 2440 E 26th St., Los Angeles, submitted low bid to supervisors at $45,810, for constructing 1¾ miles roadway (½ mile of Willite) on Huntington Beach and Westminster Blvd. Steele Finley bid $49,512.50. Bids rejected.

SANTA ANA, Cal.—B. R. Ford, 407 W 17th St., Santa Ana, awarded contract at about $15,000, for improving Pine St. between Flower and Baker Sts., involving 76,867 sq. ft. grading and paving with 5-in. concrete and belt finish wearing surface; 483 ft. house connection sewers.

George R. Curtis, 2440 E 26th St., Los Angeles, awarded contract at about $65,519, for improving portions of S Parton and Van Ness Aves., involving 229,675 sq. ft. regrading and paving with 1½-in. asphaltic concrete on 4-in. concrete base; 1701 ft. house connection sewers.

MODESTO, Stanislaus Co., Cal.—Until May 9, 11 A. M., bids will be received by C. C. Eastin, Jr., county clerk, to pave 2 miles of Dry Creek road. Bids wanted for three types of pavement. J. H. Hoskins, county surveyor. **See call for bids under official proposal section in this issue.**

FLAGSTAFF, Ariz.—Under the new law enacted by the present special session of the state legislature, city council will ask for bids on several types of paving, various forms of bitulithic and concrete, for the paving to be done this summer on residential streets in the northeastern part of town.

BERKELEY, Alameda Co., Cal.—City Engineer C. L. Huggins is preparing specifications to pave Telegraph avenue from Bancroft Way to Oakland city limits.

SANTA BARBARA, Cal.—Council declares intention to improve Canyon Perdido St. between State and Anacapa Sts., by grading; paving with 1½-in. asphaltic concrete wearing surface on 5-in. concrete base; and constructing concrete gutters, 8½ ft. walks; 6-in. vitrified pipe sewers, and 4-in. side connections; 1911 Act.

LOS ANGELES, Cal.—W. D. McCray, 424 American Bank Bldg., awarded contract by board of public works at $46,325.45, for improving portions of Hyperion and other streets, involving 120,849 sq. ft. grading, oiling and rolling; 7960 ft. curb; 42,159 sq. ft. walk; 15,872 sq. ft. gutter; 54,706 sq. ft. rough grading to grade in Hoover St.; 50,281 sq. ft. rough grading in Hyperion Ave.; 14,657 sq. ft. rough grading in Sanborn Ave.; storm sewer, complete, $2000; storm drain complete, $1000. Engineer's estimate, $48,075.71.

DINUBA, Tulare Co., Cal.—W. F. Hanrahan, Call Bldg., San Francisco, at $408,536, awarded contract by trustees to improve portions of Fresno, M, Mariposa, J, K streets, etc. C. E. Sloan, Santa Fe Bldg., San Francisco, engineer.

SAN FRANCISCO — City Engineer M. M. O'Shaughnessy completes specifications to improve 42nd avenue, bet. Cabrillo and Fulton streets. Estimated cost, $1,050. Invilves 1,200 lin. ft. concrete curbs and 24,000 sq. ft. asphalt concrete pavement.

OAKLAND, Cal.—Council plans immediate paving of Telegraph Ave. from 52nd St. to Berkeley city line. W. W. Harmon, city engineer.

SAN BRUNO, San Mateo Co., Cal.—Until April 26, 5 P. M., blds will be received by Nettie A. Willits, city clerk, to improve portions of Huntington Mills, San Anselmo Ave., etc., grading, paving with waterbound rock macadam base with asphaltic oil and rock screening surface, 12-in. vitrified storm sewers; brick catchbasins, etc. Geo. A. Kneese, city engineer.

SAN FRANCISCO. — Bids received January 18 by the Board of Public Works to improve 25th Ave., between Irving and Judah streets, rejected and new bids will be opened May 3. Project involves 900 cu. yds. cut; 1,200 lin. ft. concrete curb; 1,050 sq. ft. artificial stone sidewalks; 24,000 sq. ft. asphalt concrete pavement. M. M. O'Shaughnessy, City Engineer.

SANTA ANA, Cal.—Geo. R. Curtis, 2440 E 26th St., Los Angeles, awarded contract by supervisors at $17,244.50, for constructing 1 mile asphaltic concrete pavement on Grand Ave. between Buena Park and Northam.

LOS ANGELES, Cal.—Geo. R. Curtis, 2440 E 26th St., awarded contract by board of public works at $10,329.24, for improving Madison Ave. between Lockwood St. and Normal Ave., involving 20,519 sq. ft. of grading at 10.5c; 20,519 sq. ft. Warrenite-bitulithic paving at 25.5c ft.; 1222 ft. curb at 75c ft.; 6295 sq. ft. walk at 25c ft.; 1222 ft. gutter at 37c ft.

WATTS, Cal.—Until 8 P. M., May 9, new bids will be received by City Clerk Sarah A. Smith, for sewer system, including treatment plant for city of Watts, 1911 Act and 1915 Bond Act. Work involves 97,338 ft. 6-in., 18,151 ft. 8-in., 3111 ft. 10-in., 4949 ft. 12-in., 3595 ft. 15-in., 2105 ft. 20-in. and 4420 ft. 24-in. cement pipe. Koebig & Koebig, Title Ins Bldg., Los Angeles, engineers. Work was previously advertised and contract awarded B. D. Baucus at $484,000, but was not signed by him within the time required by law.

LOS ANGELES, Cal.—Martin Brkich, 367 Cornwell St., and Nick Behek, 425 78th St., submitted identical low bids to the board of public works, Apr. 17, at $13,700 for constructing cement pipe sewers in Ave. 34, between Glassell Ave. and Marguerite St.

LODI, San Joaquin Co., Cal.—Until 8 P. M., Apr. 24, bids will be received by City Clerk J. F. Blakely for street work as follows:

South Sacramento St., involving 49,682 sq. ft. 1½-in. Warrenite on 2½-in. asphaltic concrete base, 55,125 sq. ft. grading, 3110 lin. ft. curb, 3887 sq. ft. gutters.

Tokay St., involving 127,575 sq. ft. 1½-in. Warrenite on 2½-in. asphaltic concrete base, 139,328 sq. ft. grading, 6336 lin. ft. curbs, 7760 sq. ft. gutters.

All work under 1911 Act and 1915 Bond Improvement Act. Plans and spec. obtainable from City Engineer L. F. Barzellotti. Certified check 10% required.

SANTA ANA, Cal.—Basich Co., 2103 28th St., Los Angeles, submitted the low bid to supervisors at $17,237.39, for constructing 2 miles of concrete pavement on Huntington Beach Blvd. near Wintersburg. Other bids were: E. R. Ford, $19,216.37; Graham Bros. & Bruce, $21,619.47; Wells & Bressler, $21,249.86; Geo. E. Frisbie, $20,857; Dillon, Patterson & Brown, $28,581.30. All bids rejected except that of Basich Bros. Co. which was taken under advisement.

CALIFORNIA—Until May 15, 2 P. M., bids will be received by State Highway Commission, Forum Bldg., Sacramento, to surface with asphaltic concrete 0.3 miles of highway in the Town of Williams.

Separate bids, same date, to surface with asphaltic concrete 10.9 miles of highway in Kern county between Secs. 29 and 30, T. 31. S., R. 28 E., M. D. B. and M. and Bakersfield. Austin B. Fletcher, state highway engineer. **See call for bids under official proposal section in this issue.**

SANTA BARBARA, Cal.—City Manager Fred L. Johnston, has reported to the council that the estimated cost of necessary extensions to water system is $240,000. A bond issue is proposed. Further action has been deferred as an offer of $30,000 for the right to purchase water at surge chamber has been made by residents of Montecito. The mayor favors use of the funds thus secured for extensions.

MERCED, Merced Co., Cal.—Until May 8, bids will be received by City Trustees to improve 34 blocks of Sts.; grading, paving with 1½-in. Warrenite-Bitulithic surface on 2½-in. and 3½-in. asphaltic concrete base. C. D. Martin, city engineer.

DINUBA, Tulare Co., Cal.—de Waard & Cobham, Granger Bldg., San Diego, at $122,700, awarded contract by trustees to construct sewage disposal plant. Chas. E. Sloan, Santa Fe Bldg., San Francisco, engineer.

OAKDALE, Stanislaus Co., Cal.—Bids for half the city paving program, approximately $50,000, have been ordered received by trusutees. Geo. Macomber, city engineer.

RICHMOND, Contra Costa Co., Cal.—Hutchinson Co., Hutchinson Bldg., Oakland, at $9,419, submits low bid to council to improve 47th St. Other bidders: L. L. Page, $9914; S. C. Rogers, $9714; Frank W. Bilger, $9748.

Hutchinson Co. low bidders at $5093, to improve 4th St. Other bidders: S. C. Rogers, $5113; F. W. Bilger, $5256.

SAN JOSE, Santa Clara Co., Cal.—County Surveyor Irving Ryder preparing spec. for extension of Union Ave., in Supervisor Dist. 5, and for improving following roads: Alviso and Mountain View, Naglee Ave. and Capitol Ave., from Alum Rock Ave. to Story Road.

PETALUMA, Sonoma Co., Cal.—City Engineer N. S. Frost, completes spec. to improve Edith and Madison Sts., above Washington St.

CALIFORNIA — As previously reported, bids will be received May 8, by State Highway Commission for paving with asphaltic concrete 8.9 miles of highway in Solano county between Fairfield and Vacaville. Involves 13,400 tons asphaltic concrete surface. Commission will furnish broken stones, sand, stone dust and asphaltic cement.

CARSON CITY, Nevada—Until May 3, 2.30 P. M., bids will be received by State Highway Commission to grade, construct culverts and placing gravel surface on portion of state highway between Elko and Halleck in Elko county. Geo. W. Borden, state highway engineer. **See call for bids under official proposal section in this issue.**

PETALUMA, Sonoma Co., Cal.—S. E. Adams, Petaluma, awarded contract by council to improve Edith St. between East D and Jefferson Sts., grading, concrete curbs and gutters, macadamizing with broken rock and oiled.

OAKLAND, Cal.—City Engineer W. W. Harmon completes spec. to improve Bond St. bet. 45th and 46th Aves., by grading, concrete curbs, gutters and sidewalks, and paving with oil macadam. Imp. Act 1911. Protests May 4.

SACRAMENTO, Cal.—Until April 27, 9 P. M., bids will be received by R. E. Carlton, City Clerk, to improve First avenue between 37th and Santa Cruz Way by constructing concrete curbs and gutters, 6 and 8-in. vitrified sewers, grading and paving with asphalt concrete.

Separate bids, same date, to improve 40th street, between H and E streets by constructing concrete curbs and gutters; concrete manholes, 6 and 8-in vitrified sewers; grading and paving with asphalt concrete. Albert Givan, City Engineer.

CARSON CITY, Nevada.—As previously reported bids will be received by the State Highway Commission on May 3 to construct 19.83 miles of highway in Elko county from Elko to Halleck. Project involves: 81,000 cu. yds. excavation without classification; 486 cu. yds. Class "A" and 132 cu. yds. Class "B" concrete; 922 lin ft. 15-in.; 1186 lin ft. 18-in.; 216 lin. ft. 24-in., and 52 lin. ft. 30-in. corrugated metal pipe; 1168 lin. ft. wooden guard rail, 160 monuments; 1 sign post; 19.83 miles prepare subgrade and shoulders; 31,730 cu. yds. loading gravel; 71,400 yd. mi hauling

gravel; 31,730 cu. yds. spreading gravel; moving and placing structural steel, 10,400 lbs.; painting structural steel, 2000 sq. ft.

RICHMOND, Contra Costa Co., Cal.—Until May 1, 8 P. M., bids will be received by A. C. Farris, City Clerk, to improve 29th street, between Cutting Blvd. and Potrero avenue, by grading, paving with 2-course 5-in. asphalt concrete pavement; concrete curbs, gutters and sidewalks, corrugated or steel and cement concrete, culverts, etc.

Separate bids, same date, to improve portions of Bush, Pine, Emeric avenues, Hayes, 24th, 25th, 26th and 27th Sts., by grading, paving with 2-in. quarry dust base and 1-course asphalt concrete pavement 4-in thick, corrugated iron or steel and cement concrete culverts; 6-in. vitrified sewers, etc. H. D. Chapman, City Engineer.

SAN FRANCISCO—Until April 26, 3 P. M., bids will be received by the Board of Public Works to restore pavements displaced in opening streets and for constructing sidesewers for a period of one year commencing on date of contract. Specifications may be had from City Engineer's office, 3rd Floor, City Hall.

BURLINGAME, San Mateo Co., Cal.—Pacific States Construction Co., Call Bldg., San Francisco, at approximately $91,000 submits low bid to the city trustees to improve streets in Burlingame Terrace.

OAKLAND, Cal.—Until April 27, 12 M., bids will be received by Eugene K. Sturgis, City Clerk, to improve 49th street, between 12th and E-14th streets by grading, concrete curbs, gutters, sidewalks, culverts and paving with oil macadam.

Separate bids, same date, to improve 76th street, between E-14th and Rusdale by grading, construction of concrete curbs, gutters and sidewalks and paving with oil macadam. W. W. Harmon, City Engineer.

DINUBA, Tulare Co., Cal.—W. F. Hanrahan, Call Bldg., San Francisco, at approximately $37,000 awarded contract to improve streets in District No. 14. C. E. Sloan, Santa Fe Bldg., San Francisco, Engineer.

FRESNO, Fresno Co., Calif.—California Road and Street Imp. Co., Bank of Italy Bldg., at $18,649 awarded contract by council to improve Linden ave., bet. Olive and Florodora avenues, involving 47,021 sq. ft. grading; 42,321 sq. ft. 3½-in. asphaltic base with 1½-in. Warrenite top pavement; 4512 sq. ft. gutter; 2461 ft. curb; 11,116 sq. ft. walk; 68 ft. 12-in. and 112 ft. 18-in. culvert; 4 manholes.

Other bidders: Thompson Bros., $19,196; Federal Const. Co., $19,314.

Kaufield and Tompkins, 2225 Fresno street, at $1,322 awarded contract to construct 5,748 sq. ft. cement sidewalks in Washington avenue, bet. Merced and Thesta. Wm. Stranahan, city engineer.

SANTA ANA, Cal.—Wells and Bressler, Santa Ana, awarded contract by supervisors at $54,189.85 for improving Bolsa Blvd. and Verano St., 3¾ miles, 20 ft. wide, by surfacing existing concrete pavement with concrete slab 5 to 8-in. thick, county to furnish cement.

SAN RAFAEL, Marin Co., Cal.—Council, Eugene W. Smith, city clerk, declares intention to construct 5-in. concrete sidewalks in portions of South C street, and Woodland avenue. Imp Act. 1911. Protests May 8.

FRESNO, Fresno Co., Cal.—Frederickson and Shannon, Cory Building, at $30,585 awarded contract by council to improve Wilson avenue, between Belmont and Olive; 118,128 sq. ft. grading; 89,501 sq. ft. paving; 4125 lin. ft. curb; 13,944 sq. ft. walks; 110 lin. ft. 12-in. and 340 lin. ft.18-in.reinforced concrete box culverts; 10 lin. ft. corrugated metal culvert and 10 manholes. Wm. Stranahan, city engineer.

SAN BERNARDINO, Cal.—City council awards contracts as follows: to W. D. Bohan, for paving Powell Street, between H and I streets, at 13¾c sq. ft. for macademized and 14¾c sq. ft. cement gutter; H. H. Lienau for improving Central avenue between Sycamore and Mt. Vernon, and Givanola Street between Rialto Avenue and Belleview Street, at 15¾ sq. ft. concrete paving, and 80c lin. ft. curb.

PORTERVILLE, Tulare Co., Calif.—Wm. A. Best, Porterville, submitteed low bid to city at 13¾c sq. ft. for constructing walks on S. Main street below Olive and Date Streets. C. R. Grundy bid 18¾c ft. Both bids rejected, bidder having omitted chk. or bond.

OAKLAND, Cal.—M. Bua, Oakland, at $.21 sq. ft. awarded contract to construct cement sidewalks in portions of Broadway, Merritt and Brooklyn aves., etc. W. W. Harmon, city engineer.

MADERA, Madera Co., Cal.—Supervisors appropriate $5,000 as county's share to repair and construct 26 miles of road, commencing at a point in Crane Valley, running NE to Beasore and Clover Meadows—total cost of which is $25,000—the Forest Reserve to pay $20,000.

SAN BERNARDINO, Cal.—Bids will be called shortly for construction of Deep Creek cut-off, about 15 miles, to be built jointly by the State and Federal government. The state has voted $105,000 toward the work, and balance will be from Federal funds. Work will be under joint supervision of County Surveyor E. T. Ham, and C. H. Sweetser, district engineer of bureau of public roads, U. S. Dept. of Agriculture.

BAKERSFIELD, Kern Co., Cal.—City Engineer W .D. Clarke, preparing spec. to improve Sumner and Oak Sts., for which $30,000 is available.

FRESNO, Fresno Co., Cal.—City Engineer Wm. Stranahan completes spec. to improve Pine Ave. between Moroa and Lucerne Lane, involving 49,230 sq. ft. grading; 44,137 sq. ft. 3½-in. asphalt base with 1½-in. Warenite top paving; 4917 sq. ft. gutter; 2635 lin. ft. curb; 5142 sq. ft. walks; 41 ft. 12-in. culverts.

SAN BERNARDINO, Cal.—City council is planning an extensive drainage system in the southwest part of the city and will submit the same to property owners within the next two weeks. Tentative plans have been prepared by City Engineer C. E. Johnson.

WATSONVILLE, Santa Cruz Co., Cal.—Granite Construction Co., Watsonville, at approximately $40,000, awarded contract by trustees to pave portions of Union, Van Ness, Peck, Maple, Alexander Sts., etc.

MARTINEZ, Contra Costa Co., Cal.—Until May 15, 11 A. M., bids will be received by J. H. Wells, county clerk, to construct sewer in Alhambra Heights Sewer District. R. R. Arnold, county surveyor.

WATTS, Cal.—Until 8 P. M., May 9, new bids will be received by City Clerk Sarah A. Smith for sewer system, including treatment plant for city of Watts; 1911 Act and 1915 Bond Act. Work was previously advertised and contract awarded B. D. Baucus at $484,000, but was not signed by him within the time required by law. Revised quantities are: 64,746 ft. of 6-in., 41,186 ft. 8-in., 17,926 ft. 10-in., 19,996 ft. 12-in., 5533 ft. 15-in., 2552 ft. 18-in., 5660 ft 20-in., 4422 ft. 24-in. cement pipe; 369 manholes; 55 flush tanks and 6-in. wyes for each lot. Koebig & Koebig, Title Ins. Bldg., Los Angeles, engineers.

MONTEREY, Monterey Co., Cal.—Grant-Smith Co., Balboa Bldg., San Francisco, awarded contract by council to improve Franklin St. between Alvarado and High St. by grading, paving with 4-in. cement concrete and 2 in. bituminous concrete surface; and between High and Cedar Sts., by grading and paving with 5-in. cement concrete, concrete curbs and sidewalks; catchbasins; reconstructing manholes, etc. H. D. Severance, city engineer.

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Skillings, Warren
Wolfe & Higgins
Wyckoff, Ralph

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Martin, F. L.

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Bonar, Ed. P.
San Jose Awning Co.

BRICK MFGRS. AND POTTERIES
Gladding, McBean & Co.
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Peterson-Kartschoke Brick Co.
San Jose Brick Co.

BRICK CONTRACTORS
Baker, J. T.
Byron, D. J.
Cheek, Lester J.
Fuller, W. F.
Gardiser, Florent
Smith, Fay L.

BUILDING MATERIAL
Allied Industries, Inc.
Borchers Bros.
Cowell Lime and Cement Co., H.
Drummond, J. A.
Eccleston, C. H.
Gladding, McBean & Co.
Gunn, Carle & Co.
Holmes Lime & Cement Co.
Soule Co., Edw. H.
Pacific Portland Cement Co.
Williams & Russo

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Hamilton, C. W.
Kilcourse, Martin
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Montoya, M.
Moodzi, F.
Portland Cement Assn.
Raisch Improvement Co.
Ragglo, Geo.
Scarrino, Sam
Schlosser, Mason J.
Sisco, J. B.
Wehner, F. W.

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Schlosser, H. C.

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Butcher, Roy M.
Century Electric Co.
Faser Bros.
Garden City Electrical Co.
Globe Electric Co.
Guilbert Bros.
Guilbert, John, Co.
Kammerer Electric Co.
Rodgers
San Jose Electric Co.
Schutte Bros.
Schutte, Jos. C.

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FIXTURES—GAS AND ELECTRIC
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San Jose Gas. Appliance Co.
Wagner Bros.

FURNITURE, HOOSIER CABINETS, HOUSEHOLD GOODS
Madsen Co., Alfred

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Bigger, Arthur
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Fields, Z. O.
Genoves, M.
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Hinds, Walter A.
Hoyt, Frank
Hersbach, R. C.
Keesling, F. E.
Lamb, J. B.
Latta, G. M.
Lemieux, James A.
Lindblom, Geo.
Main, D. H.
Maggio, F.
McComb, J. Erle
McDaniel, W. A.
Moore, W. J.
Morrison Bros.
Miller, J. H.
Nommensen, E.
O'Neil, William
Ouimet, Benj. A.
Perino, M.
Perkins, Jr.
Scherrebeck, T. J.
Summers, R. O.
Scaglione, Louis A.
Thomas, Chas.
Thorp, J. C.
Vaughn, M. C.
Wagner, D. R.
Wagner, J. A.
Wallace & Bush
Walz, Howard
Weldon, E. E.
Wolfe, E. L.

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Home Union
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Valley Hardware Co.

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Strable Mfg. Co.

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Powers, E. C.

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Canfield, L. D.
Ferguson, M. J.
Gallichotte, Bud.
Herman & Son, W. M.
Jarman Co., J. P.
Keesling, Archie
Knott, Zeb.
La Breacht, J.
Lenzen Co., G. E.
Loos, Wm.
McGinley, Walter
Pickering, Geo. E.
Rawlings, H. F.
Smith, Geo. H.
Stagg, J. C. F.
Stone & Curry
Zollars, J. M.

PAINTS AND WALL PAPER
California Wall Paper Mills
Cowell Lime & Cement Co.
National Lead Co. of Calif.
San Jose Paint & Wall Paper Co.

WATER PAINT OR WHITEWASHING
Booksin, G.

PLASTERING CONTRACTORS
Chiri, J. C.
Heple, Theo. F.
McLeod, J. C.
Provenzano, Joe.

PLUMBING CONTRACTORS
Berryman, Fred
Ehlert, Wm.
Garden City Metal Works
John Stock Sons
Mangrum & Otter
McDonald, Bruce
McDonald, O. C.
Moenning & Howard
Miller, H. B.
Pascoe, H. J.
Roll, E. A.
Serpa, Wm. F.
Snyder DuBrutz Co.
Studer, F.

PLUMBING SUPPLIES
Crane Co., F. C.
Gladding, McBean & Co.
Mark-Lally Co.

PUBLIC ACCOUNTANT
Wehner, R. H.

PUMPS, STEEL TANKS AND TOWERS
Moenning & Howard

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Lenzen Co., Inc., G. E.
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Hipolito Screen Co.
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Nichols, J. H.

"SAVE-THE-SURFACE" CAMPAIGN

The Bay Counties "Save-the-Surface" campaign to secure funds to carry on a $15,000 educational campaign by means of general advertising is meeting with success. The tentative date for the campaign is May 1 to 14.

ANDERSON LUMBER COMPANY TO REBUILD

Plans are underway for the immediate reconstruction of the yards and offices of the Anderson Lumber Co., at Anderson, Shasta county, recently destroyed by fire. The loss estimated by W. J. Reilly, manager, is $15,000.

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Phone Richmond 685

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Ferrera, M. C.
Fuller, J. F.
Paganini, David
Sullivan, John

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Brownlie Hardware Co. (R. A. Brownlie).
Wilder Hardware Co. (J. R. Clark).
Winchell Hardware Co. (C. L. Winchell and Mr. Denlus).

HEATING

Hellerman Plumbing Shop
Hendrix, H. E.

HIGHWAY CONSTRUCTION

Blanco, R. J.

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Perry Lumber Co. (C. H. Miller).
Telcheira Lumber Co. (E. Telcheira).
Vallejo Builders' Supply Co. (C. W. Greene).
Weeks, S. J.

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Clavo, Joseph
Horan Company (W. F. Horan).
Stark, John
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Foster's Planing Mill (Gilbert Foster).
Pacific Mfg. Co. (C. C. Quinn).
Perry Lumber Co. (C. H. Miller).
Vallejo Builders' Supply Co. (C. W. Greene).

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Barnewitz Palting & Decorating Co.
Fawcett, Walter
Vera & Castro

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Driscoll, D. F.
Bourne, C. H.

PLUMBERS

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Hellerman Plumbing Shop
Hendrix, H. E.
Loney, J. J.
Vallejo Plumbing Co. (W. J. England).
Wilder Hardware Co. (J. R. Clark).

ROCK, SAND, ETC.

Vallejo Rock & Sand Co.

ROOFERS

Bradhoff Roofing and Magnesite Co. (P. F. Bradhoff.)
Talley, L. K.

SHEET METAL

Monarch Sheet Metal Works. (W. E. King.)

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

$1,000 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
1554	Gough	Gough	8000
1555	Childers	Hansen	3000
1556	Ginotti	Sangiarsomo	5000
1557	St. Tackaberry	Muller	3500
1558	Murphy	Meyer	8000
1559	Bowles	Henderson	2000
1560	Babbitt	Allen	7000
1561	Moeller	Meyer	3000
1562	Anderson	Meyer	3000
1563	Anderson	Meyer	12000
1564	Janssen	Owner	7000
1566	McGrath	Rednall	10140
1567	Friedlinger	Roemer	4000
1569	Gorfinkel	Irvine	13000
1570	Latham	Taylor	36000
1572	Mullane	Holt	7800
1573	O'Shea	Knabershuh	4000
1574	Mahan	Smith	2400
1575	McCormick	Miller	43221
1576	Scholz	Knabershuh	3560
1577	Allen	Owner	15000
1578	Kepner	Mulcahy	13000
1579	Lacey	Owner	15000
1582	Thomas	Owner	14500
1584	Pearl	Merritt	1000
1586	Titlow	Browne	1600
1587	Cal Academy	Bradley	16720
1588	Same	Fuller	9346
1589	Same	Hillard	4361
1590	Same	Snook	35805
1591	Mardecich	Owner	1000
1592	Bricca	Farnocchia	7000
1593	Urban Rlty	Owner	5000
1594	Boost	Higgins	1500
1595	Cornils	Bernhardt	3000
1596	Cross	Nelson	3000
1597	Smythe	Nelson	3000
1598	Hale	MacDonald	2000
1599	Hicks	Nelson	3000
1600	Becktell	Owner	3000
1601	Nelson	Owner	3000
1602	Same	Same	4000
1603	Nelson	Owner	3000
1604	Same	Same	4000
1605	Same	Owner	4000
1606	Madden	Nelson	4000
1607	Ludwig	Owner	3500
1608	Carlson	Carlson	3000
1609	Kincanon	Owner	100000
1610	Moore	Foundation	38000
1611	Bergish	Binet	7000
1612	Wingfield	Doussett	3000
1613	Steff	Kincanon	6000
1614	Wolf	Owner	8000
1616	Sachan	Steinauer	7000
1618	Bass	Chicago	1500
1619	Sike	Beach	3000
1620	McCollough	Beach	3000
1621	O'Brien	Meyer	4557
1622	Virginia Lee	Owner	5000
1623	Massa	Milward	3000
1624	Feerick	Owner	4000
1625	Browne	Owner	200000
1626	Wood	Thorup	4500
1627	Doud	Wilson	2000
1628	Mittelstaedt	Zupar	4850
1629	Easdale	Owner	2500
1630	Arnott	Arnott	8400
1631	Neal	Prout	6950
1632	Fitzpatrick	Hamill	5000
1633	Golder	Inglis	4000
1634	Colombo	Owner	4500
1635	Ohlesson	Owner	900
1636	Wohltmann	Reilly	5358
1637	Allyne	Spargo	57525
1638	Anglo	Nelson	52201
1639	Sosnick	Owner	17000
1640	Dittman	Owner	20000
1641	Corder	Schell	5000
1642	Tillman	McLaughlin	46000
1643	Union Oil	Owner	2000
1644	Hueter	Boxton	10000
1645	Hueter	Boxton	10000
1646	Hayfer	Mayer	10000
1649	Lippl	Filippis	9000
1650	Raisch	Cox	8000
1654	Enemark	Fricher	4000
1655	Wise	Owner	6000
1656	Bunney	Peterson	1000
1657	Stoesser	Owner	2000
1658	Baumann	Owner	2000
1660	Schubner	Owner	4000
1661	Lindeman	Lindeman	3500
1662	Steinauer	Owner	7000
1663	Meyer	Owner	18000
1664	Crocker	Ellingson	80000
1665	Breslin	Demarais	14400
1666	Miller	Owner	4000
1667	City Realty	Cox	14000
1668	Linder	Owner	3200
1669	Excelsior	Nolan	7000
1670	Kretzschman	Terry	10140
1671	Petersen	Owner	3500
1672	Keenan	Owner	30000
1675	Atkins	Allen	12000
1677	Macondray	Sullivan	3037
1678	Hobart	Standard	3860
1679	Robinson	Espino	2000
1680	Baer	Zinkand	12500

FRAME FLATS
(1554) SW ANZA AND SEVENTH Ave. Two-story and basement fram (4) flats.
Owner—A. S. Gough and wife, 16 Cole St., Apt. 3, San Francisco.
Architect—None.
Contractor—A. S. Gough, 623 Minna St., San Francisco. $8000

RESIDENCE
(1555) E GEORGIA 31 N Hermann. One-story and basement frame residence.
Owner—Geo. Childers, 2235 Mission St., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Contractor—Walter E. Hansen, 2235 Market St., San Francisco. $3000

COAL HANDLING PLANT
(1556) S GEARY 57-6 W Eighth Ave. One-story brick coal handling plant.
Owner—F. Ginotti & Co., 4409 Geary St., San Francisco.
Plans by Owner.
Contractor—G. Sangiarsomo, 158-A 9th Ave., San Francisco. $5000

ALTERATIONS
(1557) NO. 5308 GEARY. Construct on rear of present building one-story and flat above and remove partitions and remodel store for flat.
Owner—Mr. St. Tackaberry, 1717 Leavenworth St., San Francisco.
Architect—None.
Contractor—C. F. Muller, 84 28th St., San Francisco. $3500

FRAME FLATS
(1558) W NINTH AVE 125 N California. Two-story and basement frame (2) flats.
Owner—Chas. Murphy, 3028 Broderick St., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco, $8000

ALTERATIONS
(1559) SE PINE AND MONTGOMERY. Rearrange interior for offices, barber shop and restaurant.
Owner—P. E. Bowles, American National Bank, California and Montgomery Sts.
Architect—None.
Contractor—W. F. Henderson, 619 Monadnock Bldg., San Francisco. $2000

RESIDENCE
(1560) E SANTA PAULA 213 S Yerba Buena. Two-story and basement frame residence.
Owner—E. G. Babbitt, % Architect.
Architect—Earle B. Bertz, 168 Sutter St., San Francisco.
Contractor—Allen & Co., 168 Sutter St., San Francisco. $7000

DWELLING
(1561) E TWENTY-SEVENTH AVE. 175 N Balboa. One-story and basement frame dwelling.
Owner—G. Moeller, 2221 Clement St., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $3000

DWELLING
(1562) NE TWENTY-EIGHTH AVE. and Balboa. One-story and basement frame dwelling.
Owner—J. Anderson, 423 16th Ave., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $3000

DWELLINGS
(1563) E TWENTY-EIGHTH AVE. 25, 50, 75 and 100 N Balboa. Four 1-story and basement frame dwellings.
Owner—J. Anderson, 423 16th Ave., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $3000 each

DWELLINGS
(1564) E TWENTY-FIFTH 115-4 and 140-4 N Balboa. Two 1-story and basement frame dwellings.
Owner—E. A. Janssen, 402 Hearst Bldg, San Francisco.
Architect—None.
Day's work. $3500 each

FRAME FLATS
(1566) E BAKER 100 S Filbert. Two-story and basement frame (2) flats.
Owner—Francis L. McGrath, 2737 Market St., San Francisco.
Plans by Contractor.
Contractor—W. W. Rednall, 2500 Filbert St., San Francisco. $10,140

ALTERATIONS
(1567) W BARTLETT 195 S 25th. Alterations and repairs to change 2 flats into apartments.
Ownr—S. Friedlinger, 3207 Mission St., San Francisco.
Architect—None.
Contractor—F. A. Roemer, 318 Fair Oaks St., San Francisco. $4000

FRAME FLATS
(1569) W NINTH AVE 200 N Fulton. Two-story and basement frame (2) flats.
Owner—Meyer and Elizabeth Gorfinkel, 403§ California St., S. F.

Architect—Wm. K. Irvine, 1387 Hayes St., San Francisco.
Contractor—Wm. K. Irvine, 1387 Hayes St., San Francisco. $13,000

APARTMENTS
(1570) N SACRAMENTO 161 W Franklin. Three-story and basement frame (6) apartments.
Owner—Milton Latham, 454 Montgomery St., San Francisco.
Architect—Milton Latham, 454 Montgomery St., San Francisco.
Contractor—Taylor & Jackson, 290 Tehama St., San Francisco. $36,000

FRAME FLATS
(1572) E TWENTY-THIRD AVE 225 N California. Two-story and basement frame (2) flats.
Owner—J. H. Mullane, 155 29th St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—O. K. Holt, 3877 26th St., San Francisco. $7800

DWELLING
(1573) W TWENTY-FIFTH AVE 250 N California. One-story and basement frame dwelling.
Owner—Peter R. O'Shea.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Knabershuh & Morrison, 180 Jessie St., San Francisco. $4000

RESIDENCE
(1574) E CHARTER OAK AVE 33 N Silver Ave N 25xE ——. All work for four-room and basement residence.
Owner—Alma M. Mahan, 107 14th Ave., San Francisco.
Plans by Contractor.
Contractor—Martin Smith, 114 Girard St., San Francisco.
Rough frame up & plumbing in .$600
Plaster on 600
Completed and accepted..... 600
Usual 35 days..... 600
TOTAL COST, $2400
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

FRAME BUILDING
(1575) SW GROVE AND SCOTT S 55 xW 100. All work except electric fixtures, wall beds, finish hardware and shades for three-story and basement frame building.
Owner—A. F. McCormick, 945 Buchanan St., San Francisco.
Architect—Edw. E. Young, 251 Kearny St., San Francisco.
Contractor—Fred Miller, 225 Dolores St., San Francisco.
Filed Apr 14, '22. Dated Apr. —, '22.
Frame up $8103.75
Brown coated 8104.00
Standing trim on..... 8104.00
Completed and accepted..... 8104.00
Usual 35 days.....10805.25
TOTAL COST, $43,221.00
Bond, limit, forfeit, none. Plans and specifications filed.

RESIDENCE
(1576) W TWENTY-FIFTH AVE 275 N Cabrillo N 50xW 120. All work except grading for frame residence
Owner—Frank B. Scholz, 932 Greenwich St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St. San Francisco.
Contractor—Knabershuh & Morrison, 180 Jessie St., San Francisco.
Filed Apr. 14, '22. Dated Apr. 12, '22.
Frame up $667.50
Enclosed and roof on 667.50
Plastering completed 667.50
Completed 667.50
Usual 35 days 890.00
TOTAL COST, $3560.00
Bond, none. Limit, 90 days. Forfeit, $3.00. Plans and specifications filed.

RESIDENCE
(1577) N SEA CLIFF AVE. 445 W 25th Ave. Two-story and basement frame residence.
Owner—Allen & Co., % Architect.
Architect—Earle B. Bertz, 168 Sutter St., San Francisco.
Day's work. $15,000

BUILDING
(1578) N HOWARD 70 W 5th. One-story brick mercantile building.
Owner—J. M. Kepner, 68 Post St., San Francisco.
Architect—A. A. Cantin, 68 Post St., San Francisco.
Contractor—Thos. F. Mulcahy, 180 Jessie St., San Francisco. $13,000

APARTMENTS
(1579) S BUSH 192 E Larkin. Three-story and basement reinforced concrete (6) apartments.
Owner—E. V. Lacey, 180 Jessie St., San Francisco.
Architect—None.
Day's work. $15,000

FRAME FLATS
(1582) SE GEARY AND TWENTY-ninth Ave. Two-story and basement frame (4) flats.
Owner—J. C. Thomas, 380 20th Ave., San Francisco.
Architect—None.
Day's work. $14,500

RETAINING WALL
(1584) NO. 1020 JONES. Construct retaining wall.
Owner—Mr. Pearl
Architect—None.
Contractor—Geo. M. Merritt, 3011 Geary St., San Francisco. $1000

APARTMENTS
(1586) S BUSH 77-6 W Leavenworth S 137-6xW 30. Electrical wiring for four-story and basement Class C apartments.
Owner—John O. Titlow, 1129 Bush St., San Francisco.
Architect—M. V. Politeo, 1st National Bank Bldg., San Francisco.
Contractor — Browne-Langlais Electrical Constr. Co., 313 5th St., S. F.
Filed Apr. 15, '22. Dated Apr. 6, 1922.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $1600
Bond, $800. Surety, New Amsterdam Casualty Co. Limit, 30 days. Forfeit, none. Plans and specifications filed

METAL FURRING, ETC.
(1587) ON LAND EAST OF PRESENT California Academy of Sciences Building in Golden Gate Park. Metal furring, lath and plaster for aquarium.
Owner—California Academy of Sciences
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
Contractor—Peter Bradley, 180 Jessie St., San Francisco.
Filed April 15, '22. Dated Mar. 29, '22.
On 5th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $16,720
Bond, $8400. Sureties, Fidelity & Deposit Co. of Maryland. Limit, 200 days. Forfeit, none. Plans and specifications filed

(1588) GLAZING ON ABOVE
Contractor—W. P. Fuller & Co., SW Beale and Mission Sts., S. F.
Filed April 15, '22. Dated Mar. 29, '22
Payments same as above
TOTAL COST $9346
Bond, $4700. Surety, New Amsterdam Casualty Co. Limit, 200 days. Forfeit, none. Plans and specifications filed.

(1589) ORNAMENTAL IRON AND bronze work on above.
Contractor—C. J. Hillard Co., 19th and Minnesota Sts., San Francisco.
Filed Apr. 15, '22. Dated Mar. 29, '22.
Payments same as above.....
TOTAL COST, $4361
Bond, $2200. Surety, Fidelity & Deposit Co. of Maryland. Limit, 200 days. Forfeit, none. Plans and specifications filed.

(1590) PLUMBING, HEATING AND refrigeration on above.
Contractor—Frederick W. Snook Co., 596 Clay St., San Francisco.
Filed Apr. 15, '22. Dated Mar. 28, '22.
Payments same as above.....
TOTAL COST, $35,805
Bond, $18,000. Surety, Fidelity & Deposit Co. of Maryland. Limit, 200 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1591) N ARLETA 75 W Rutia Ave. One-story and basement frame dwelling.
Owner—Antone Mardecich, 214 Arleta Ave., San Francisco.
Architect—None.
Day's work. $1000

DWELLING
(1592) N CHESTNUT 165 E Franklin One-story and basement frame dwelling.
Owner—P. A. Bricca, 1527 Stockton St. San Francisco.
Architect—J. A. Porporato, 619 Washington St., San Francisco.
Contractor — Farnocchia & Co., 1814 Powell St., San Francisco. $7000

RESIDENCE
(1593) E DE SOTO 153 S Urbano Drive Two-stery and basement frame residence.
Owner—Urban Realty Improvement Co 85 Cerritos Ave., San Francisco.
Architect—Gustave Stahlberg, 85 Cerritos Ave., San Francisco.
Day's work $5000

FOUNDATION, ETC.
(1594) E DOUGLASS 139 N Twenty-fourth. Construct concrete foundations and floor for residence.
Owner—Irena Boost.
Architect—None.
Contractor—S. M. Higgins $1500

RESIDENCE
(1595) E EUREKA 67 N 21st. One-story and basement frame residence.
Owner—H. Cornils, 579 Eureka St., San Francisco.
Architect—None.
Contractor—Bernhardt & Pereria, 4440 20th St., San Francisco. $3000

DWELLING
(1596) E EASTWOOD DRIVE 140 S Wildwood Way. One-story and basement frame dwelling.
Owner—L. C. Cross, 1351 5th Ave., San Francisco.
Architect—Chas. F. Strotheff, 2274 15th St., San Francisco.
Contractor — Nelson Bros., 1375 Plymouth Ave., San Francisco. $3000

DWELLING
(1597) E EASTWOOD DRIVE 175 S Wildwood Way. One-story and basement frame dwelling.
Owner—L. L. Smythe, 1226 7th Ave San Francisco
Architect—Chas. F. Strotheff, 2274 15th St., San Francisco.
Contractor — Nelson Bros., 1375 Plymouth Ave., S. F. $3000

ALTERATIONS
(1598) SW FIFTH AND MARKET. Extend mezzanine floor between 1st and 2nd floors, steel girders etc.
Owner—Hale Bros., Premises.
Architect—Reid Bros., 105 Montgomery St., San Francisco.
Contractor — Macdonald & Kahn, 130 Montgomery St., San Francisco. $2000

DWELLING
(1599) S FLOOD AVE 137 E Hazelwood. One-story and basement frame dwelling.
Owner—G. W. Hicks, 3110 Clay St., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor — Nelson Bros., 1375 Plymouth Ave., San Francisco. $3000

DWELLING
(1600) S FLOOD AVE 90 E Hazelwood One-story and basement frame dwelling.
Owner—W. G. Becktell, 175 Jules Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor — Nelson Bros., 1375 Plymouth Ave. $3000

DWELLING
(1601) E FORESTSIDE 117 N Vicente One-story and basement frame dwelling.
Owner—Fernando Nelson & Sons, Inc., 2 West Portal Park, S. F.
Architect—None.
Day's work. $3000

RESIDENCE
(1602) W FORESTSIDE AVE 46 N Vicente. Two-story and basement frame residence.
Owner—Fernando Nelson & Sons, Inc., 2 West Portal Park, S. F.
Architect—None.
Day's work. $4000

DWELLING
(1603) S FLOOD AVE 177 E Hazelwood. One-story and basement frame dwelling.
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Day's work. $3000

DWELLING
(1604) S GREENWOOD 127 E Colon. One-story and basement frame dwelling.
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chos. F. Strothoff, 2274 15th St., San Francisco.
Contractor — Nelson Bros., 1375 Plymouth Ave., S. F. $4000

DWELLINGS
(1605) E VALDEZ 65, 125, 225 and 305 S Monterey Blvd. Four one-story and basement frame dwellings.
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff, 1274 15th St., San Francisco.
Day's work. $4000 each

DWELLING
(1606) S GREENWOOD AVE 87 E Colon. One-story and basement frame dwelling.
Owner—Edw. E. Madden, 1259 Vermont St., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor — Nelson Bros., 1375 Plymouth Ave., San Francisco. $4000

FLATS
(1607) N GENEVA 25 W Naples. Two-story frame store and (2) flats and one-story garage.
Owner—Ludwig Hellman, 139 Noe St., San Francisco.
Architect—None.
Day's work. $3500

DWELLING
(1608) NE HEARST AND HAMBURG. One-story and basement frame dwelling.
Owner—F. J. Carlson and Irene K Carlson. 138 Frederick St., S. F.
Plans by Owner.
Contractor — F. J. Carlson, 138 Frederick St., S. F. $3000

APARTMENTS
(1609) W LEAVENWORTH 62-6 N Geary. Six-story and basement reinforced concrete (35)apartments
Owner—Kincanon & Perego, 159 Sutter St., San Francisco.
Architect—None.
Day's work. $100,000

DRY GOODS BLDG.
(1610) SE MISSION AND FREMONT Eight-story and basement reinforced concrete wholesale dry goods house.
Owner—Walton N. Moore Dry Goods Co., 7 Front St., San Francisco.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—The Foundation Co., 58 Sutter St., S. F. $380,000

FLATS, ETC.
(1611) NW NAPLES AND GENEVA. Two-story frame (2) stores and (2) flats.
Owner—August Bergish, 336 Church St., San Francisco.
Architect—None.
Contractor—John J. Binet, 336 Church St., San Francisco. $7000

ALTERATIONS
(1612) NO. 2324 PACIFIC AVE. Construct cases in residence; other changes and repairs on interior.
Owner—Mrs. Geo. Wingfield, Fairmont Hotel, San Francisco.
Architect—None.
Contractor — Doussett Ruhl Co., 77 O'Farrell St., S. F. $3000

STORES
(1613) E POLK 80 N Golden Gate Ave. One-story brick stores.
Owner—L. D. Stoff.
Architect—None.
Contractor—Kincanon & Perego, 159 Sutter St., San Francisco. $6000

DWELLING
(1614) SANTA ANA AVE bet. St. Francis Blvd. and Portola Drive, being Lot 9 Blk 10, St. Francis Wood. Two-story and basement frame dwelling.
Owner—Janette M. Wolf, 914 First National Bank Bldg., San Francisco.
Architect—L. A. Bryant, 38 6th Ave., San Francisco.
Day's work. $8000

ALTERATIONS
(1616) NO. 507 STEINER. Re-arrange and alter two-story residence for apartments.
Owner—Mrs. Ella Sachan, Premises.
Architect — J. C. Hladik, Monadnock Bldg., San Francisco.
Contractor—S. Steinauer, 109 Cornwall St., San Francisco. $7000

WATER TANK.
(1618) KANSAS AND TWENTY-fourth. Erect elevated water tank of 35,000 gallons capacity and tower 100 feet to bottom of capacity.
Owner—Bass Heuter Paint Co., 816 Market St., San Francisco.
Architect—None.
Contractor—Chicago Bridge & Iron Works, 232 Rialto Bldg., San Francisco. $4500

DWELLING
(1619) S NORIEGA 25 E Twentieth Ave. One-story and basement frame dwelling.
Owner—Agnes Seike, 33 Day St., San Francisco.
Architect—Ed. E. Young, 251 Kearny St., San Francisco.
Contractor—Robert Beach, 4173 23d St., San Francisco. $3000

DWELLING
(1620) S NORIEGA 50 E 20th Ave. One-story and basement frame dwelling.
Owner—Mrs. M. McCollough, 3426 22nd St., San Francisco.
Architect—Edw. E. Young, 251 Kearny St., San Francisco.
Contractor—Robert Beach, 4173 23rd St., San Francisco. $3000

BUNGALOW
(1621) W TWENTY-FOURTH AVE 225 N Geary. All work for five-room bungalow.
Owner — Frank P. O'Brien, 411 25th Ave., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.
Filed April 17, '22. Dated Mar. —.
Frame up $1143.75
Brown coated 1143.75
Completed 1143.75
Usual 55 days 868.75
Balance, $275 secured by deed of trust .....
TOTAL COST, $4575
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(1622) S GEARY 92-6 W Powell. Alter store front and install (2) steel columns and support front with girders.
Owner — Virginia Lee Candy Co., 325 Geary St., San Francisco.
Architect—M. V. Politeo, 1301 First National Bank Bldg., S. F.
Day's work. $5000

ADDITION
(1623) NO. 500 NINETEENTH AVE. Add 2 bed rooms, kitchen and laundry to flats.
Owner—Paul Massa, Premises.
Architect—None.
Contractor — R. Milward, 3931 Geary St., San Francisco. $3000

DWELLING
(1624) E NINETEENTH AVE 175 S Cabrillo. Two-story and basement frame dwelling.
Owner—E. & P. J. Feerick, 253 Downey St., San Francisco.
Designer—B. Feerick, 253 Downey St., San Francisco.
Day's work. $4000

CLUB BLDG.
(1625) S POST 206-3 W Mason. Six-story and basement brick club building.
Owner — R. S. Browne, 310 California St., San Francisco.
Architect—T. Paterson Ross, 310 California St., San Francisco.
Day's work. $200,000

DWELLING
(1626) W SEVENTEENTH AVE 310-6 N Cabrillo. One-story and basement frame dwelling.
Owner—S. A. Wood, 53 Presidio Ave., San Francisco.
Designer—J. H. Thorup, 614 21st Ave., San Francisco.
Contractor—J. H. Thorup, 614 21st Ave. San Francisco. $4500

DWELLING
(1627) N SANTIAGO 59 E 21st Ave. One-story and basement frame dwelling.
Owner—Octavia Doud, 306 Bush St., San Francisco.
Architect—None.
Contractor — E. B. Wilson, 2530 28th Ave., San Francisco. $2000

DWELLING
(1628) W TWENTY-FIRST AVE 60 S Ulloa. One-story and basement frame dwelling.
Owner—Oscar E. Mittelstaedt, 1187 Sanchez St., San Francisco.
Architect—None.
Contractor—Wm. Zupar, 1095 Mission St., San Francisco. $4850

DWELLING
(1629) W TWENTY-FOURTH AVE 150 S Lincoln Way. Two-story and basement frame dwelling.

Owner—E. H. Easdale, 1223 14th Ave., San Francisco.
Architect—None.
Day's work $2500

DWELLINGS
(1630) E CAPITOL AVE 25, 50, 75 N Lakeview. Three one-story and basement frame dwellings.
Owner—Jas. Arnott, 235 Granville Way, San Francisco.
Architect—None
Contractor—Jas. Arnott & Son, 235 Granville Way, S. F. $2800 each

DWELLING
(1631) E DORCHESTER WAY 301 N Ulloa. Two-story and basement frame dwelling.
Owner—Harvey S. Neal, 1585 11th Ave., San Francisco.
Plans by Owner.
Contractor—J. Prout, 2020 Turk St., San Francisco. $6950

RESIDENCE
(1632) N FRANCISCO 87-6 E Gough. One-story and basement frame residence.
Owner—Mary A. & Austin Fitzpatrick, 6140 Geary St., San Francisco.
Architect—None.
Contractor—Thos. Hamill, 6140 Geary St., San Francisco. $5000

ALTERATIONS
(1633) SW GREEN AND LAGUNA. Reconstruct present building for 3 flats; add 2 baths; stairs; electric work; painting, etc.
Owner — Robert Golder, 706 14th St., San Francisco.
Architect—None.
Contractor—A. R. Inglis, 2218 Fillmore St., San Francisco. $4000

FLAT, ETC.
(1634) W RAILROAD AVE 50 N Newcombe. Two-story and basement frame store and flat.
Owner—A. Columbo, 1010 Railroad Ave San Francisco.
Architect—None.
Day's work $4500

REPAIRS
(1635) NO. 1741 VALLEJO. General repairs for flats.
Owner—Mrs. B. Oblesson, Premises.
Architect—J. M. Anderson, 1612 Pacific Ave., San Francisco.
Day's work. $900

ALTERATIONS
(1636) NO. 2803 AND 2805 MISSION. All work for alterations and additions to two-story frame building.
Owner—Wm. Wohlmann.
Architect—Frank S. Holland, 1629 Folsome St., San Francisco.
Contractor — P. F. Reilly, 180 Jessie St., San Francisco.
Filed Apr. 18, '22. Dated Apr. 10, '22.
Frame completed and roof boards on $1339
Building ready to receive sheathing 1339
Completed and accepted 1340
Usual 35 days 1340
TOTAL COST, $5358
Bond, $2750. Sureties, Jno. Flaherty and Delia M. Reilly. Limit, 50 days after May 1, 1922. Forfeit none. Plans and specifications filed.

GARAGE
(1637) N PINE 150 6 E Van Ness Ave E 98 6xN 137 6. All work for two-story Class D garage.
Owner—Lucy H. and Edith W. Allyne, 2609 Gough St., San Francisco.
Architect—Reid Bros., 105 Montgomery St., San Francisco.
Contractor — John Spotco, 240 Montgomery St., San Francisco.
Filed Apr. 18, '22. Dated Apr. 14, '22.
On 7th of each month 75%
Usual 35 days 25%
TOTAL COST, $57,525
Bond, $28,800. Sureties, N. Bronstein and John Hayden. Limit, 4 months. Forfeit, none. Plans and specifications filed.

HEATING, ETC.
(1636) W SANSOME 46-10⅞ m or l N Sutter N 91-6xW 122-9. Vacuum cleaning, piping system and heating and ventilating equipment for one-story Class A bank building.
Owner—Anglo & London Paris Nat'l. Bank of San Francisco.
Architect — Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—James A. Nelson, 517 6th St., San Francisco.
Filed Apr. 18, '22. Dated Apr. 1, '22.
On 10th of each month 75%
Usual 35 days 25%
TOTAL COST, $52,201
Bond, $26,101. Surety, Fidelity & Deposit Co. of Maryland. Limit, 120 days. Forfeit, none. Plans and specifications filed.

BUILDING
(1639) S McALLISTER 78 E Webster. One-story and basement concrete and brick market building.
Owner—A. G. and J. Sosnick, % architect.
Architect—Mel. I. Schwartz, 1202 Nevada Bank Bldg., San Francisco.
Day's work. $17,000

APARTMENTS
(1640) N MARKET AND EUREKA. Two-story and basement frame (10) apartments.
Owner—Adolph Dittman, % architect.
Architect—Carl Gollfuss, 1056 Fulton St., San Francisco.
Contract not let. $20,000

ADDITION
(1641) S NATOMA 125 W 7th. One-story and basement brick addition for elevator works.
Owner—T. W. Corder, Inc., % contractor.
Architect—None.
Contractor—Samuel Schell, 180 Jessie St., San Francisco. $5000

APARTMENTS
(1642) NE SACRAMENTO & LE ROY Place. Three-story and basement frame (18) apartments.
Owner—Mrs. Hattie M. Tillman, Hotel Adair, 445 Ellis St., San Francisco.
Architect — William Gunnison, 1666 Golden Gate Ave., San Francisco.
Contractor—James L. McLaughlin, 251 Kearny St., San Francisco. $46,000

SERVICE STATION
(1643) SW JUNCTION SAN BRUNO & Portrero Aves. and Adam St. One-story steel service station.
Owner—Union Oil Company of California 247 Mills Bldg., San Francisco.
Plans by owner.
Day's work. $2000

RESIDENCES
(1644) W SAN LEANDRO WAY 35 and 75 S Monterey Blvd. Two 1-story and basement frame residences.
Owner—O. M. Hueter, 805 Flatiron Bldg., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Boxton & Zwieg, 809 Flatiron Bldg., San Francisco. $5000 ea.

RESIDENCES
(1645) W SAN LEANDRO WAY 75 and 115 N Darien Way. Two 1-story and basement frame residences.
Owner—O. M. Hueter, 805 Flatiron Bldg., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Boxton & Zwieg, 809 Flatiron Bldg, San Francisco. $5000 ea.

FLATS
(1646) W TWENTY-FIRST AVE. 200 S Lake. Two-story and basement frame (2) flats.
Owner—L. H. Hayfer, 808 Dolores St., San Francisco.
Designer—Joseph Bloom, 539 Market St., San Francisco.
Contractor—Frank Mayer, 817 Dolores St., San Francisco. $10,000

RESIDENCE
(1649) N CHESTNUT 109-9½ W Van Ness Ave. Two-story frame residence.
Owner—D. O. Lippi.
Architect—Italo Zanolini, 604 Montgomery St., San Francisco.
Contractor—V. Filippis, 957 Union St., San Francisco. $9000

RESIDENCES
(1650) FOURTH AVE. 250 and 275 N Kirkham. Two 2-story and basement frame residences.
Owner—A. J. Raisch, 46 Kearny St., San Francisco.
Plans by owner.
Contractor—Cox Bros., 1357 9th Ave., San Francisco. $4000 each

STORES
(1654) N IRVING 52 W 7th Ave. One-story and basement frame stores.
Owner—L. H. Enemark (Trustee), 454 Montgomery St., San Francisco.
Architect—L. M. Upton, 454 Montgomery St., San Francisco.
Contractor—L. F. Fricher, 180 Jessie St., San Francisco. $4000

RESIDENCE
(1655) S LENARES AVE. 75 E Ventura. One-story and basement frame residence.
Owner—A. L. Wise, 901 Merchants Exchange Bldg., San Francisco.
Designer—W. K. Owen, 251 Kearny St., San Francisco.
Day's work. $6000

ALTERATIONS
(1656) NO. 1155 STEINER. Construct porch; erect partition and building bay window (flas).
Owner—John Bunney, 2631 Mission St., San Francisco.
Architect—None.
Contractor—Antine Petersen, 2770 San Bruno Ave., San Francisco. $1000

FACTORY
(1657) E SHOTWELL 235 S 14th. One-story frame lock manufacturing plant.
Owner—Wm. P. Stoesser, 53 Shotwell St., San Francisco.
Architect—None.
Day's work. $2000

ALTERATIONS
(1658) NO. 385 SHOTWELL. General alterations and repairs to rearrange residence for two flats.
Owner—F. H. Baumann.
Architect—E. A. Nuemarkel, 544 Market St., San Francisco.
Day's work. $2000

RESIDENCE
(1660) W THIRD AVE. 223 N Fulton. Two-story and basement frame residence.
Owner—M. Schubner, 759 2nd Ave., San Francisco.
Architect—None.
Day's work. $4000

DWELLING
(1661) W TWENTY-FOURTH AVE. 209-8 S Anza. One-story and basement frame dwelling.
Owner—H. O. Lindeman 232 Anza St. San Francisco.
Designer—W. R. Lindeman 530 Balboa St. San Francisco.

Contractor—W. R. Lindeman, 530 Balboa St. San Francisco. $3500

FLATS
(1662) N CALIFORNIA 32-6 W 10th Ave. Two-story and basement frame (2) flats.
Owner—S. Severin Steinauer, 109 Cornwall St., San Francisco.
Architect—None.
Day's work. $7000

DWELLINGS
(1663) W 44th Ave. 425, 450, 475, 500, 525 and 550 S Geary. Six 1-story and basement frame dwellings.
Owner—Meyer Bros., 5326 Geary St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Day's work. $3000 each

APARTMENTS
(1664) SW GUERRERO & MARKET. Three-story frame (27) apartments.
Owner—Mary Ives, Crocker Insurance Exchange Bldg., San Francisco.
Architect—Nathaniel Blaisdell, 255 California St., San Francisco.
Contractor—E. Ellingson, 180 Jessie St., San Francisco. $80,000

FLATS
(1665) SE GEARY AND THIRD AVE. Two-story and basement frame (4) flats.
Owner—D. W. and Mary Breslin, 819 Santa Clara St., Vallejo.
Architect—None.
Contractor—B. W. Demarias & Sons, 732 Page St., San Francisco, $14400

STORES
(1666) S GEARY 97 W 25th Ave. One-story frame (2) stores.
Owner—Wm. A. Miller, 638 5th Ave., San Francisco
Architect—None.
Day's work. $4000

FLATS
(1667) S LINCOLN WAY 95 and 120 E 2nd Ave. Two 2-story and basement frame (2) flats.
Owner—City Realty Co., 46 Kearny St., San Francisco.
Plans by owner.
Contractor—Cox Bros., 1309 9th Ave., San Francisco $7000 each

DWELLING
(1668) N MUNICH 128 W Cordova. One-story and basement frame dwelling.
Owner—J. Linder, 1738 Golden Gate Ave., San Francisco.
Architect—None.
Day's work. $3200

STORES
(1669) E MISSION 238 S Brazil Ave. One-story frame stores.
Owner—Excelsior Theatre Co., care of Panama Theatre, San Francisco.
Architect—None.
Contractor—M. F. Nolan, 228 Noe St., San Francisco. $7000

RESIDENCE
(1670) E SIXTEENTH AVE. 75 N Fulton. Two-story and basement frame residence.
Owner—Ernest E. Kretzschman, 942 Market St., San Francisco.
Architect—Will H. Toepke, 942 Market St., San Francisco.
Contractor—Wm. L. Terry, 1456 Willard St., San Francisco. $10,140

DWELLING
(1671) W ELEVENTH AVE 74 N Kirkham. One-story and basement frame dwelling.
Owner—W. C. Peterson, 1570-A Eddy St., San Francisco.
Architect—None.
Contractor—Day's work. $3500

APARTMENTS
(1672) NW GREEN AND BUCHANAN Three-story and basement frame (9) apartments.
Owner—H. C. Keenan, 300 Webster St., San Francisco.
Architect—None.
Day's work. $30,000

RESIDENCE
(1675) W LARKIN 87-6 N Lombard Two-story and basement frame residence.
Owner—Robert F. Atkins, Jr. Architect.
Architect—Earle B. Bertz, 168 Sutter St., San Francisco.
Contractor—Allen & Co., 168 Sutter St., San Francisco. $12,000

UNDERPINNING, ETC.
(1677) E FREMONT 137-6 S Mission 45-10x137-6. Excavation, pumping, back filling, grading, shoring and underpinning with brick piers the north walls of existing building
Owner—Mrs. Lucy H. Otis and Miss Martha L. Macondray
Architect—Geo. Rushforth, 354 Pine St., San Francisco.
Contractor—D. J. and T. Sullivan, Inc., 1942 Folsom St., San Francisco.
Filed Apr. 20, '22. Dated Apr. 20, '22.
Brick work done.....$1700.00
Completed and accepted..... 577.75
Usual 35 days..... 759.25
TOTAL COST, $3037.00
Bond, none. Limit, 50 days. Forfeit, none. Plans and specifications filed.

ELECTRICAL WORK
(1678) GOLDEN GATE PARK E of California Academy of Science Bldg. Electrical work for aquarium
Owner—California Academy of Science Golden Gate Park, S. F.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
Contractor—Standard Electrical Construction Co., 80 Natoma St., S. F.
Filed Apr. 20, '22. Dated Mar. 29, '22.
On 5th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $3850
Bond, $2000. Surety, United States Fidelity & Guaranty Co. Limit, 200 days. Forfeit, none. Plans and specifications filed

PAINTING, ETC.
(1679) GREAT HIGHWAY & FULTON St. All work for paint and decorate ball room (Sheehan's Tavern).
Owner—O. Robinson and Harry S. Morrison, 159 Dolores St., S. F.
Architect—None.
Contractor—Ricardo Espino, 3249 Fillmore St., San Francisco
Filed Apr. 20, '22 Dated Apr. 17, '22.
On 2nd of May.....$665
On 18th of May..... 665
15 days after work done..... 670
TOTAL COST, $2000
Bond, limit, forfeit, plans and specifications, none.

RESIDENCE
(1680) SW COMMONWEALTH AND Euclid Aves. All work for frame residence.
Owner—Sam Baer, Russ Bldg., S. F.
Architect—Samuel Lightner Hyman, 68 Post St., San Francisco.
Contractor — Ed. Zinkand & Son, 434 Tenth Ave., San Francisco.
Filed Apr. 20, '22. Dated Apr. 18, '22.
Roof on.....$3125
Plaster completed..... 3125
Completed and accepted..... 3125
Usual 35 days..... 3125
TOTAL COST, $12,500
Bond, $6250. Sureties, J. H. McCallum and Harry M. Gatejen. Limit, 90 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

April 20, 1922—COMG AT PT. DIST 216-4½ W Masonic Ave and 188 11 N Fulton N 27-9xE 82-6½ Otto E Anderson to whom it may concern .....April 20, 1922

April 20, 1922—N FULTON 81-8 E Ninth Ave E 25xN 100. Michael McDonough to whom it may concern .....April 18, 1922

April 20, 1922—E TWENTY-FIRST Ave 237, 267, 293 and 321 N Fulton N 28xE 120. Costello Bros to whom it may concern.....April 12, 1922

April 20, 1922—E TWENTIETH AVE 100 N Balboa N 25xE 120. Angie Sheper to Otto E Anderson .....April 20, 1922

April 20, 1922—W CASTRO 378 N 18th W 75 N 84-10 m or l E 92-1¼ S 89-8¼. Bank of Italy to whom it may concern.....April 17, 1922

April 20, 1922—E FOURTH AVE 155 S Cabrillo 31 on Fourth Ave by E 120. Alice R Leary to Elmer Carlson and W O Peterson..April 9, 1922

April 20, 1922—NE 11.33 LOT 29 and SW 26.67 Lot 30 Blk 8, Forest Hill. L K and Ragna Siverson to whom it may concern.....April 14, 1922

April 20, 1922—S SACRAMENTO 200 E Arguello Blvd E 125 m or l S 132-0½ W 125 m or l N 133-1½. A Cohn to Cohn & Nordstrom.....April 7, 1922

April 20, 1922—NW SIXTEENTH & Church W 100xN 95. R E Queen to P J Lynch and J A Bryant .....April 19, 1922

April 19, 1922—LOT 2 BLK 47, Reis Tract. Alexander McKillop to whom it may concern..April 18, 1922

April 19, 1922—NW LISBON 150 SW Brazil Ave. H S Thomson to whom it may concern .....April 18, 1922

April 19, 1922—NW LISBON 175 SW Brazil Ave. H S Thomson to whom it may concern.....April 19, 1922

April 18, 1922—NW MISSION AND New Montgomery N 80-0⅝ W 63-4¾ S 80 E 60-7½. Sharon Estate Co to Barrett & Hilp..April 18, 1922

April 18, 1922—S CABRILLO 107-6 E 17th Ave E 25xS 100. Sophie and Samuel F Johnson to whom it may concern.....April 17, 1922

April 18, 1922—COM. AT PT. DIST 55 E of SE Cor. Ellis and Jones S 87-6xE 27-6. C Lachman to Monson Bros.....April 18, 1922

April 18, 1922—E LYON 60 N Filbert. A B Harrison to Emil Nelson.....April 12, 1922

April 18, 1922—N JERSEY 175 E Church E 25xN 114. Victor Gullmes to whom it may concern. Apr 14, 1922

April 17, 1922—W 13 FEET LOT 13 and E 23-6 Lot 14 Blk 2977, all Lot 15 and W 6-6 Lot 14 Blk 2977, Merritt Terrace. George N Merritt to J Prout.....April 14, 1922

April 17, 1922—E PALM AVE — 33-4 xE 120. Irving A and Pearl Silverstein to Cohn & Nordstrom.....April 7, 1922

April 17, 1922—W NINETEENTH Ave 75 N Ortega N 25xW 107-6. No. 1883 19th Ave. John E Jr. and Edith A Easdale to L H Stevenson .....April 15, 1922

April 17, 1922—SW ORD AND Seventeenth W 34 S 16 W 52 S 26 E 62 S 2 E 74 N 44. Ephraim H Musin to W F Lovell..April 17, 1922

April 17, 1922—SW LEESE 88.32 NW Crescent Ave NW 29.44 W 84.22 S 25 E 104.04. Alfred E Hind to Harry W Hind.....April 10, 1922

April 17, 1922—E TENTH AVE 150 N Cabrillo N 25xE 120. Anna W Ahlert and Frances Brady to Edw E Manseau.....April 11, 1922

April 17, 1922—COM. 87-6 W OF SW Post and Mason S 87-6xW 50. T M Burd to MacDonald & Kahn.....April 17, 1922

April 15, 1922—E ALABAMA 90 S Twenty-sixth S 50xE 100. Wm Miller to whom it may concern.....April 15 1922

April 15, 1922—W FORTY-SEVENTH Ave 150 N Fulton 30x120; W 47th Ave 180 N Fulton 30x120. Thos F Barry agent of Nellie G Barry to whom it may concern..April 15, 1922

April 14, 1922—SW CALIFORNIA & Twenty-fourth Ave W 32-6xS 75. C O Clausen to whom it may concern.....April 14, 1922

April 14, 1922—NW PINE & MONTgomery N 125xW 138-6. Commercial Union Assurance Co and The California Ins Co to Mangrum & Otter Inc.....April 7, 1922

April 14, 1922—E TWENTY-THIRD Ave 25 S Cabrillo S 25xE 82-6; E 23rd Ave 50 S Cabrillo S 25xE 82-6. Alton R Lapham to whom it may concern.....April 12, 1922

April 13, 1922—N FILBERT 137-6 E Laguna E 27-6xN 85. Joseph Gaddini to whom it may concern.....April 13, 1922

April 13, 1922—E CASTRO 100 S 17th 99-9 E 80 S 75-3 E 68 N 175 E 148. Nasser Bros to American Concrete Co.....April 11, 1922

April 14, 192—NE SEVENTEENTH & Belvedere E 24-11 15-16 N 102-1 W 24-11 S 100-1⅝. Gustav H and Clara T Lindauer to Chas E Coburn .....April 14, 1922

April 14, 1922—SE ANZA AND 17th Ave S 26-2xE 90. P Midbust to whom it may concern..April 14, 1922

April 14, 1922—PTN LOTS 17 AND 18 Blk 25. St. Francis Wood Extn. No. 2. John R Young to Ernest Swanson .....April 14, 1922

April 14, 1922—S HOWARD 180 W First W 50xS 165. Louis R Lurie to J Martinelli .....April 13, 1922

April 14, 1922—E TWENTY-THIRD Ave 25 S Cabrillo S 25xE 82-6. Alton R Lapham to whom it may concern.....April 12, 1922

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

April 20, 192—N PINE 105 E Jones E 37-6xN 137-6. R V De Ryapa vs V Fillipis $2000

April 15, 1922—N FILBERT 175 E Polk E 25xN 127-6. C W Boulware vs Minna Geggus and Raymond A Luce $135

April 15, 1922—N CABRILLO 80 W 23rd Ave W 40xN 160. Wm Martin, $61.20; Archibald McKenzie, $61.20, Claud G Pullen, $53 and Theodore Malcolm, $51 vs Henry F and Florence Kranshopf .....

April 14, 1922—W TENTH AVE 250 S Irving S 25xW 120. Wayne & Williams vs Helen B Tassel fmly Monahan $384.65

April 14, 1922—SW SANSOME AND Bush. R Rosenberg vs Pacific Gravel Co, Niles Sand & Gravel Co and Standard Oil Co of Calif...$1750

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount

April 17, 1922—N SUTTER 167-3 W Van Ness Ave W 57-6xN 120. Jos Beck to Mendel Weisblect ...$827.65

April 14, 1922—E TWELFTH AVE 225 N C St N 25xE 120. A A Zelinsky & Co to J Baltor and Ray Baltor, wife $612.13

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

April 19, 1922—NE JACKSON AND Frederick E 56-8½xN 100. M L Rose Co as to improvements on property .....

April 14, 1922—SE ½ LOT 11 BLK A Thornton & Williams Sub Silver Terrace. Jas Connell and Wm M Wade as to improvements on property .....

BUILDING CONTRACTS

ALAMEDA COUNTY

$1,000 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
1660	Felt	Owner	2500
1661	Bkly Bldg.	Owner	3500
1662	Weiman	Lehman	10616
1663	Leslie	Knight	1200
1664	Haydon	Person	4500
1666	Castro	Mattison	2500
1667	Maclean	Owner	3500
1670	Andrews	Robins	3000
1672	Landgrebe	Owner	3400
1673	Mattison	Owner	3000
1674	Sigwald	Owner	7500
1675	Saroni	Pond	3000
1676	Saroni	Pond	2800
1677	Saroni	Pond	8400
1678	Saroni	Pond	2800
1679	Heltman	Anderson	9000
1680	Crawford	Anderson	6850
1683	Sandstone	Peterson	6000
1684	Lynch	Fennelly	4350
1685	Durant	Neal	19000
1686	Durant	Malott	2355
1688	Lewis	Verney	7000
1689	Brown	Cords	3000
1690	Puccini	Morgan	2200
1691	Vlught	Owner	2500
1692	White	Stolte	25000
1693	Schirmer	Schwalm	5818
1694	Jensen	Owner	4500
1695	Essig	Long	2490
1696	Mills	Long	2200
1697	Gier	Stolte	9000
1698	Tomlinson	Perry	6400
1700	Dormir	Larmer	6700
1701	Gillespie	Bond	5000
1702	Peterson	Shade	2000
1703	Powell	Owner	3500
1704	Mau	Casha	2400
1705	Neary	Owner	3000
1706	Pfiang	Owner	4000
1707	Watkins	Benson	2900
1708	Hiles	Lundberg	3000
1709	Gorden	Peterson	5200
1710	Haydon	Person	4500
1711	Ballesche	Flittner	3073
1713	Sawyer	Marshall	3800
1714	Prue	Gastman	1400
1715	Baker	Mason	3000
1716	Edwards	Owner	1500
1717	Pichel	Pearson	1200
1718	Whearty	Owner	1000
1720	Rubert	Parker	3000
1721	Chestnut	Marshall	12800
1722	Tesure	Owner	3500
1723	Taylor	Owner	3500
1724	Pirang	Owner	15000
1725	Same	Same	5000
1726	Same	Same	10000
1727	Avevedo	Anderson	2500
1728	Thosa	Owner	2000
1729	Fintard	Silva	3000
1730	Holabird	Joseph	3500
1732	Darrimon	Bloom	3000
1733	Austin	Hendrickson	3340
1734	Brazier	Owner	5000
1738	Wright	Nelson	4600
1739	Reynolds	Whalen	2000
1743	Brown	Bettencourt	2500
1744	Skaggs	Goranson	6165
1745	Cook	Cook	2000
1746	Russell	Blucher	2718
1747	Shell Oil	Owner	1400
1752	Brown	Kreischer	4800
1755	Hughes	Shrader	2200
1756	Hinch	Owner	3000
1757	Hayes	Bissell	7500
1759	Bowles	Scott	6000
1760	Carpenter	Owner	8000
1761	Falkinham	Roth	9000
1762	Nightengal	Tupper	7000
1763	Hancock	Christensen	20000
1764	Orton	Owner	3000
1765	Sall	Owner	4000
1766	Gutterson	Morton	16886
1767	Banning	Westlund	8376
1768	Gurnette	Pickering	7300
1769	Russell	Bulcher	2718
1770	MacGregor	Owner	20800
1772	Koski	Owner	3250
1773	Hinch	Parker	7000
1774	Magerstadt	Owner	8500
1775	Lelmert	Owner	10000
1776	Burnell	Stanley	3000
1778	Potet	Owner	1000
1779	Buelna	Furlong	1750
1780	Govan	Brooke	2000
1782	6th Church	Maurice	8000
1783	Roderick	Roderick	1800
1784	Boyle	Owner	8750
1785	Isaacs	Owner	7500
1787	Isaacs	Owner	5950
1789	Houle	Owner	3500
1790	Malpath	Owner	2000
1791	Tutt	Higins	6000
1792	McCord	Owner	5200
1793	McCord	Owner	2600
1794	Eschen	Thorp	8252
1795	Associated	Aras	2374

DWELLING
(1660) NO. 2325 McGEE ST., Berkeley. One-story 5-room dwelling.
Owner—R. D. Felt. 1732 Channing Way, Berkeley.
Architect—None.
Day's work. $2500

DWELLING
(1661) NO. 912 MONO ST., Berkeley. One-story 6-room dwelling.
Owner—Berkeley Building Co., Solano and Colusa Sts., Berkeley.
Architect—None.
Day's work. $3500

DWELLINGS
(1662) NO. 1233-35-37-39 OXFORD St., Berkeley Four one-story 4-room dwellings.
Owner—W. F. Weiman, 1231 Oxford St., Berkeley.
Architect—None.
Contractor—John Lehman, 959 Apgar St., Oakland. $2654 each

ADDITION
(1663) NO. 2505 WOOLSEY ST., Berkeley. Addition.
Owner—Wm. Leslie, Premises.
Architect—W. J. Wilkinson, Oakland
Contractor—Harry C. Knight, 388 12th St., Oakland. $1200

DWELLING
(1664) NO. 1729 WALNUT ST., Berkeley. One-story 5-room dwlg.
Owner—M. E. Haydon, 2136 Eunice St., Berkeley.
Architect—None.
Contractor—Emil Person, 1933 El Dorado St., Berkeley. $4500

ADDITION
(1666) NO. 1515 FIFTIETH AVE., Oakland. Addition.
Owner—Manuel Castro.
Architect—None.
Contractor—E. T. Mattison, 243 Damutt St., Oakland. $2500

DWELLING
(1667) W FOURTEENTH AVE. 150 N E-18th, Oakland. One-story 5-room dwelling.
Owner—D. Maclean, 1531 14th Ave., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(1670) N TWENTY-SECOND 87 E Dover, Oakland. One-story 5-room dwelling.
Owner—John Andrews.
Architect—None.
Contractor—R. L. Robins, 5117 Broadway, Oakland. $3000

DWELLING
(1672) S HAMPEL 122 W Park Blvd., Oakland. One-story 6-room dwelling.

Owner—W. W. Landgrebe, 939 Central Ave., Alameda.
Architect—None.
Day's work. $3400

DWELLING
(1673) W LAGUNA AVE. 100 S Scenic Ave., Oakland. One-story 5-room dwelling.
Owner—W. H. Mattison, 2434 Damuth St., Oakland.
Architect—None.
Day's work. $3000

DWELLINGS
(1674) N LYON AVE 250, 282 and 314 N 38th Ave., Oakland. Three 1-story 4-room dwellings.
Owner—J. W. Sigwald, 3927 Auga Vista Oakland.
Architect—None.
Day's work. $2500 each

DWELLING
(1675) NW FLORA AND HAVENcourt Blvd., Oakland. One-story 6-room dwelling.
Owner—L. Saroni, 806 Howard St., San Francisco.
Architect—None.
Contractor—C. Pond, 1163 Richmond Ave., Oakland. $3000

DWELLING
(1676) W HAVENSCOURT BLVD. 75 N Flora, Oakland. One-story 5-room dwelling.
Owner—L. Saroni, 806 Howard St., San Francisco.
Architect—None.
Contractor—C. P. Pond, 1163 Richmond Ave., Oakland. $2800

DWELLINGS
(1677) E SIXTY-EIGHTH AVE. 175, 225 and 285 N Flora, Oakland. Three 1-story 5-room dwellings.
Owner—L. Saroni, 806 Howard St., San Francisco.
Architect—None.
Contractor—C. P. Pond, 1163 Richmond Ave., Oakland. $2800 each

DWELLING
(1678) W SIXTY-EIGHTH AVE. 170 N Flora, Oakland. One-story 5-room dwelling.
Owner—L. Saroni, 806 Howard St., San Francisco.
Architect—None.
Contractor—C. P. Pond, 1163 Richmond Ave., Oakland. $2800

DWELLING
(1679) NW PRINCE AND ERIE, Oakland. Two-story 9-room dwelling.
Owner—Mrs. M. A. Heitman, 5101 Grove St., Oakland.
Architect—None.
Contractor — A. Frederick Anderson, 2800 Delaware St., Oakland. $9000

DWELLING
(1680) NW ROSEMONT & VERADA dwelling.
Owner—Kate Crawford.
Architect—None.
Contractor—A. F. Anderson, 2800 Delaware St., Oakland. $6850

DWELLINGS
(1683) SE SIXTY-EIGHTTH AVE. & Arthur St., and E 68th Ave. 30 S Arthur St., Oakland. Two 1-story 5-room dwellings.
Owner—Helen Sandstone, San Francisco.
Architect—None.
Contractor—A. H. Peterson, First National Bank Bldg., Oakland. $3000 each

DWELLING
(1684) W FORTY-FIRST AVE. 290 N Foothill Blvd., being lot 10 blk. 5, may Steinway Terrace, Oakland. One-story 6-room dwelling.
Owner—Byron Lynch, 828 Union St., Oakland.
Architect—None.
Contractor—James D. Fennelly, 2910 E-22nd St., Oakland.
Filed Apr. 14, '22. Dated Apr. 10, '22
Roof sheathed ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $4,350
Bond, $4350. Sureties, P. D. Cunningham and M. W. Hennessey. Limit, 90 days from April 17, 1922. Forfeit, $5 day. Plans and specifications, none.

FACTORY
(1685) NE E-FOURTEENTH & NW Stanley Ave. NW 781.80 NE 1032.49 SE 780.90 SW 1031.69, Oakland. Painting for 2-story reinforced concrete factory.
Owner—Durant Motor Co. of California, through agent P. J Walker Co., Monadnock Bldg., San Francisco.
Architect—None.
Contractors—John F. Provoo, W. G. Silver, Charles S. Nelson, Charles P. Williams, Bernard Pohl (The Neal Co.), 538 Hayes St., San Francisco.
Filed Apr. 13, '22. Dated Apr. 10, '22
10th each month 75%
Usual 35 days 25%
TOTAL COST, $19,000
Bond, $9500. Surety, Maryland Casualty Co. Limit, July 15, 1922. Forfeit, none. Plans and specifications filed.

(1686) ASPHALT MASTIC FLOOR on above.
Contractor—Mallott & Peterson, 2412 Harrison St., San Francisco.
Filed Apr. 13, '22. Dated Apr. 1, '22
Payments as above.
TOTAL COST, $2,355
Bond, $1178. Surety, Ne wAmsterdam Casualty Co. Limit, 15 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1688) NO. 83 EUCALYPTUS ROAD Oakland. Two-story 7-room dwlg
Owner—Geo. E. Lewis, 2532 Etna St., Berkeley.
Architect—None.
Contractor—A. B. Verney, Premises. $7000

DWELLING
(1689) E FOURTEENTH AVE 110 N E-Twenty-first St., Oakland. One-story 5-room dwelling.
Owner—Chas. F. Brown, 1707 Broadway, Oakland.
Architect—None.
Contractor—Alfred Cords, 1707 Broadway, Oakland. $3000

DWELLING
(1690) W FIFTY-SECOND AVE. 150 S E-12th, Oakland. One-story 4-room dwelling.
Owner—Lorenzo Puccini, 5129 E-12th St., Oakland.
Architect—None.
Contractor—Wm. A. Morgan, 3702 Allendale Ave., Oakland. $2200

DWELLING
(1691) SW THIRTIETH & ADELINE, Oakland. One-story 5-room dwelling.
Owner—Wm. Vlught, 1070 30th St., Oakland.
Architect—None.
Day's work. $2500

GARAGE AND STORES
(1692) SE THIRTEENTH & JEFFERson, Oakland. One-story brick garage and stores.
Owner—White & Pollard, 13th and Webster Sts., Oakland.
Architect—None.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland. $25,000

DWELLING
(1693) LOT 2 BLK. 20 Lakeshore Highlands, Oakland. One-story frame dwelling.
Owner—W. E. Schirmer, 1684 Lower Grand, Oakland.
Architect—Schirmer Bugbee & Co., Thayer Bldg., Oakland.
Contractor — Harry Schwalm, 1525 Chestnut St., Berkeley.
Filed Apr. 15, '22. Dated Apr. 15, '22
Exterior rustic on ..... ¼
Plastered ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $5,818
Bond, none. Bonus, $6 day. Limit, 85 days. Forfeit, $6 day. Plans and specifications filed.

DWELLING
(1694) NO. 15 BLAIR AVE., Piedmont One and one-half-story 6-room dwelling and garage.
Owner—S. M. Jensen.
Architect—None.
Day's work. $4500

ALTERATIONS
(1695) NO. 910 HILLDALE AVE., Berkeley. Alterations and additions.
Owner—E. D. Essig, Premises.
Architect—None.
Contractor—Roy O. Long Co., 2114 Shattuck Ave., Berkeley. $249[illegible]

DWELLING
(1696) SW LINCOLN AND CALIFORnia, Berkeley. One-story 5-room dwelling.
Owner—Russell Mills.
Architect—None.
Contractor—Roy O. Long Co., 2114 Shattuck Ave., Berkeley. $2200

BUNGALOW
(1697) NE E-FOURTEENTH AND Mitchell, Oakland. One-story 3-apartment bungalow.
Owner—Theo Gier
Architect—None.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland. $3000

DWELLINGS
(1698) S E-THIRTY-SIXTH 260 and 306 W Bruce, Oakland Two one-story 4-room dwellings and garage
Owner—C. T. Tomlinson, 733 Haight Ave., Alameda.
Architect—None.
Contractor—J. Floyd Perry, 733 Haight Ave., Alameda. $3000 each; garage, $400

DWELLING
(1700) S HARWOOD AVE 35 E College Ave., Oakland. Two-story 8-room dwelling.
Owner—M. Dormin.
Architect—None.
Contractor—Edw. Larmer, 90 Fairview St., Piedmont. $6700

DWELLING
(1701) N LINDA AVE 460 E Rosal, Oakland. One-story 6-room dwlg.
Owner—Sara M. Gillespie, 2820 Cherry St., Berkeley.
Architect—Harry Slocombe, 1st Savings Bank Bldg., Oakland.
Contractor — Robt. Bond, 5710 Genoa St., Oakland. $5000

DWELLING
(1702) E 102ND AVE. 125 N E-14th St., Oakland. One-story 4-room dwelling.
Owner—C. A. Peterson, Station G, Oakland.
Architect—None.
Contractor—D. E. Shade, 1741 103rd Ave., Oakland. $2000

STORES AND GARAGE
(1703) NE PARK BLVD AND EAST 19th St., Oakland. One-story 2-room stores and garage.

Owner—H. E. Powell, Park Blvd. and E-19th St., Oakland.
Architect—None.
Day's work. $3400

DWELLING
(1704) NE ROSEDALE AND MERA, Oakland. One-story 4-room dwelling.
Owner—Henry Mau, 2000 Rosedale St., Oakland.
Architect—None.
Contractor—Theo. C. Casha, 1839 40th Ave., Oakland. $2400

DWELLING
(1705) SW SIXTEENTH & MAGNOLIA Oakland. One-story 5-room dwelling.
Owner—Wm. F. Neary, 536 17th St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(1706) S SHAFTER AVE. 1000 E College Ave., Oakland. One-story 5-room dwelling.
Owner—C. J. Pfrang, 480 Forest St., Oakland.
Architect—None.
Day's work. $4000

DWELLING
(1707) NE TWENTY-FIRST AVE. & E-27th St., Oakland. One-story 5-room dwelling.
Owner—G. P. Watkins, 2151 E-24th St., Oakland.
Architect—None.
Contractor — Martin Benson, 2541 Hearst Ave., Oakland. $2900

DWELLING
(1708) W THIRTY-NINTH AVE. 215 N Carrington, Oakland. One-story 5-room dwelling.
Owner—Park Hiles, E-14th St., Oakland.
Architect—None.
Contractor—S. I. Lundberg, 3434 Elmwood St., Oakland. $3000

DWELLING
(1709) E THIRTY-NINTH AVE. 406 N E-14th, Oakland. One-story 8-room 2-family dwelling and separate garage.
Owner—E. Gordon, 1538 39th Ave., Oakland.
Architect—None.
Contractor—J. B. Petersen, 2053 38th Ave., Oakland. $5200

DWELLING
(1710) NO 1729 WALNUT, Berkeley. One-story 5-room dwelling.
Owner—Ursula E. Haydon, 2136 Eunice St., Berkeley.
Architect—None.
Contractor—Emil Person, 1933 El Dorado St., Berkeley.
Filed Apr. 17, '22. Dated Apr. 12, '22
Rafters on ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $1,500
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications, none.

DWELLING
(1711) W BROWN AVE 215 S Wisconsin being lot 46 and SW 10 ft lot 47 blk. 13 Map Key Route Heights, Oakland. One-story 5-room dwelling.
Owner—Rock and Lena Lalleche, 3909 Brown Ave., Oakland.
Architect—None.
Contractor—Jos. Filittner, 1700 35th Ave., Oakland.
Filed Apr. 17, '22. Dated Apr. 14, '22
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $3,073
Bond, none. Limit, 60 days after Apr. 18, 1922. Forfeiti $1. Plans and specifications filed.

DWELLING
(1713) NO. 825 PINSENADA AVE., Berkeley. One-story 5-room hollow tile dwelling.
Owner—E. W. Sawyer, 1230 Monterey Ave., Berkeley.
Architect—None.
Contractor—Marshall & Burks, Bacon Bldg., Oakland. $3800

GARAGE
(1714) NO. 1035 EUCLID AVE., Berkeley. Garage.
Owner—S. F. Price, Premises.
Architect—None.
Contractor—H. H. Gastman, 1263 Euclid Ave., Berkeley. $1400

DWELLING
(1715) NO. 940 FRESNO AVE., Berkeley. One-story 6-room dwelling.
Owner—Grace E. Baker.
Architect—None.
Contractor—Mason McDuffie Co., Shattuck Ave. and Addison, Berkeley. $3000

ALTERATIONS
(1716) NO. 2632 HASTE ST., Berkeley. Alterations.
Owner—Geo. Edwards, 2530 Dwight Way, Berkeley.
Architect—None.
Day's work. $1500

ALTERATIONS
(1717) NO 1801 HIGHLAND, Berkeley Alterations.
Owner—Irving Lichel, 1745 Highland Ave., Berkeley.
Architect—None.
Contractor—Ben Pearson, 2403 Grant St., Berkeley. $1200

DWELLING
(1718) NO. 2510 KEITH AVE., Berkeley. One-story 5-room dwelling.
Owner—A. D. Whearty, 2512 Keith Ave., Berkeley.
Architect—None.
Day's work. $1800

DWELLING
(1720) NO 2322 SACRAMENTO Berkeley. One-story 5-room dwelling.
Owner—A. Rubert.
Architect—None.
Contractor—Joseph Parker, 911 E-14th St., Berkeley $3000

STORE BLDG.
(1721) NE TWENTY-THIRD AND Webster N 59 x NE 100, Oakland. All work for one-story tile store building.
Owner—Mary E. Chestnut, 2308 Webster St., Oakland.
Architect—None.
Contractor — W. C. Marshall, Bacon Bldg., Oakland.
Filed Apr. 18, '22. Dated Apr. 12, '22.
Walls up ..... ¼
Electric work roughed in ..... ¼
Completed and accepted ..... ¼
Usual 35 day ..... ¼
TOTAL COST, $12,800
Bond, $6100. Surety, E. L. Blackman Lumber Co. and California Brick Co. Limit, forfeit none. Plans and specifications filed.

DWELLING
(1722) NO. 2 MANOR DRIVE Piedmont. One-story 5-room dwelling.
Owner—E. T. Travis.
Architect—None.
Day's work. $3500

BUNGALOW
(1723) MORAGA AVE AND HIGHland Piedmont. One-story 6-room bungalow and garage.
Owner—Guy Taylor.
Architect—None.
Day's work. $4500

DWELLINGS
(1724) W BELGRAVE PLACE 40, 80, and 120 S Napa, Oakland. Three one-story 6-room dwellings.
Owner—H. C. Pfrang, 5659 Ocean View Drive, Oakland.
Architect—None.
Day's work. $5000 each

DWELLING
(1725) SW BELGRAVE PLACE AND Napa, Oakland. One-story 6-room dwelling.
Owner—H. C. Pfrang, 5659 Ocean View Drive, Oakland.
Architect—None.
Day's work. $5000

DWELLINGS
(1726) E CARLETON 80 and 120 N Broadway Terrace, Oakland. Two one-story 6-room dwellings.
Owner—H. C. Pfrang, 5659 Ocean View Drive, Oakland.
Architect—None.
Day's work. $5000 each

DWELLING
(1727) NE E-THIRTY-SECOND AND Bruce, Oakland. One-story 4-room dwelling.
Owner—I. J. Aveveda, 1510 E-32nd St., Oakland.
Architect—None.
Contractor—A. Anderson, 3029 Florida St., Oakland. $2500

DWELLING
(1728) N SIXTY-SEVENTH 425 E San Pablo Ave., Oakland; One-story 5-room dwelling.
Owner—Joe Thosa, 900 Folger Ave., Oakland.
Architect—None.
Day's work. $2000

DWELLING
(1729) W TWENTY-FIRST AVE 92 N E-22nd, Oakland. One-story five-room dwelling.
Owner—M. J. Fintard, 2218 E-19th St., Oakland.
Architect—None.
Contractor—J. P. Silva, 870 16th St., Oakland. $3000

STORES
(1730) W BROADWAY 65 N 41st St., Oakland. One-story 3-room stores.
Owner—R. D. Helabird.
Architect—Ben Mebougall, 381 Bush St., San Francisco.
Contractor—L. B. Joseph, 2501 Market St., Oakland $3500

DWELLING
(1732) W NINETEETH AVE 105 N Holly St., Oakland. One-story 5-room dwelling.
Owner—Al. H. Darrimon 1735 96th Ave., Oakland.
Architect—None.
Contractor—Charles Bloom, 2011 83rd Ave., Oakland. $3000

DWELLING
(1733) NO 1821 CEDAR ST., Berkeley. One-story 5-room dwelling.
Owner—E. C. Austin.
Architect—None.
Contractor—A. Hendricksen, 755 60th St., Oakland $3310

DWELLINGS
(1734) NO. 1107 HOLLY AND NO 1709 Rose, Berkeley. Two one-story 5-room dwellings.
Owner—Jas. W. Brazier, 1921 Blake St., Berkeley.
Architect—None.
Day's work. $2000 each

DWELLING
(1738) NO. 1136 HIGH ST., Alameda. One-story 6-room dwelling.
Owner—J. A. Wright, 2206 Garfield St., Alameda.
Architect—None.
Contractor—Nelson & Conrad, 351 12th St., Oakland $4600

ADDITION
(1739) NO. 1513 HIGH ST., Alameda. Addition.
Owner—S. A. Reynolds, Premises.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Contractor—J. W. Whalin, 2930 22nd Ave., Oakland. $2000

ADDITION
(1743) NO. 912 UNION ST., Alameda. Addition.
Owner—D. Brown, 916 Union St., Ala.
Architect—None.
Contractor—G. J. Bettencourt, 1211 Evelyn Ave., Berkeley. $2500

DWELLING
(1744) S CALMAR 300 W Paloma St., Oakland. Two-story 6-room dwelling and garage.
Owner—O. P. Skaggs, 755 Calmar St., Oakland.
Architect—None.
Contractor—H. Goranson, 3476 Laguna Ave., Oakland. $6165

DWELLING
(1745) SE COLIFORNIA & PATTERson, Oakland. One-story 5-room dwelling.
Owner—Daniel B. Cook, 827 41st St., Oakland.
Architect—None.
Contractor—Robert R. Cook. $2000

ALTERATIONS
(1746) NO. 5814 DOVER ST., Oakland. Alterations to apartments.
Owner—Mrs. Nellie F. Russell.
Architect—None.
Contractor — Blucher Bros., 451 Van Dyke Ave., Oakland. $2718

SERVICE STATION
(1747) NE ELEVENTH AND CLAY Sts., Oakland. One-story steel service station.
Owner—Shell Oil Co. of Calif., 343 Sansome St., San Francisco.
Architect—None.
Day's work. $1400

DWELLING
(1752) E GREENWOOD AVE 110 N Park Blvd., Oakland. One-story 5-room dwelling.
Owner—Ella Butters Brown, 2433 Warring St., Berkeley.
Architect—None.
Contractor—C. P. Kreischer, 36 Panoramic, Berkeley. $4800

REPAIRS
(1755) NO. 5951 KEITH AVE., Oakland. Fire repairs.
Owner—A. E. Hughes.
Architect—None.
Contractor—J. F. Shrader, 520 16th St., Oakland $2200

DWELLINGS
(1756) N NEVIL 335 and 185 W 38th Ave. Oakland. Two one-story 5-room dwellings.
Owner—J. T. Hinch, Federal Bldg., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(1757) S ROSEMONT ROAD 150 E Longridge Road, Oakland. Two-story 8-room dwelling.
Owner — Mrs. K. M. Hayes, Caldwell Court Apts., Oakland.
Architect—None.
Contractor—Glen A. Bissell, 269 12th St., Oakland. $7500

ALTERATIONS
(1759) NE SEVENTEENTH AND SAN Pablo Ave., Oakland. Alterations.
Owner—Mrs. P. E. Bowles.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—G. A. Scott, 685 22rd St., Oakland. $6000

DWELLINGS
(1760) NW SIXTIETH AND COLBY and W 60th 50 W Colby, Oakland. Two one-story 5-room dwellings.
Owner—Carpenter & West, 5675 College Ave., Oakland.
Architect—None.
Day's work. $4000 each

GARAGE
(1761) E SAN PABLO AVE 110 N 31st Oakland. One-story brick garage.
Owner—J. O. Falkinham, 465 Bellevue Ave., Oakland.
Architect—None.
Contractor—Conrad Roth, Hayward. $9000

FLATS
(1762) W THIRTEENTH AVE 180 N E-14th, Oakland. Two-story six-room flats and stores.
Owner—Wm. Nightengal, 1554 13th Ave., Oakland.
Architect—None.
Contractor—Thad M. Tupper, 2310 Russell St., Berkeley. $7000

GARAGE
(1763) NE TWENTY-THIRD AND Valdez, Oakland. One-story concrete garage.
Owner—V. A. Hancock, Peralta Apts., Oakland.
Architect—None.
Contractor—H. J. Christensen, Federal Bldg., Oakland. $20,000

DWELLING
(1764) NE TRENOR AND SIXTY-eighth Ave., Oakland. One-story 5-room dwelling.
Owner — A. E. Orton, 3336 68th Ave., Oakland.
Architect—None.
Day's work. $3000

FLATS
(1765) W VERMONT 98 N Weldon Ave., Oakland. Two-story 8-room flats.
Owner—C. M. Sall, 5151 Coronada Ave., Oakland.
Architect—None.
Day's work. $4000

CHURCH
(1766) PTN. LOT 7, Bray Tract, Oakland. All work except heating for concrete church.
Owner—3rd Church of Christ Scientist.
Architect—Henry H. Gutterson, 278 Post St., San Francisco.
Contractor—John Morton, Balboa Bldg. San Francisco.
Filed Apr. 19, '22. Dated Apr. 14, '22.
Concrete walls poured to 1st floor sills ..... ¼
Roof framed ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $16,886
Bond, $8443. Sureties, Roy Geary and E. Diethen. Limit, 125 days. Forfeit. $3. Plans and specifications filed.

FRAME DWELLING
(1767) LOCATION NOT GIVEN, Berkeley. All work for frame dwlg
Owner—William Banning, Los Angeles
Architect—E. Goeffrey Bangs, 1st National Bank Bldg., San Francisco.
Contractor—Fred J. Westlund, 351 12th St., Oakland.
Filed Apr. 19, '22. Dated Apr. 18, '22.
Frame up ..... ¼
Plastered ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $8376
Bond, $4188 Surety, Globe Indemnity Co. Limit, July 18. Forfeit, none. Plans and specifications filed.

DWELLING
(1768) LOT 1 BLK 7, East Piedmont Heights Extension, Oakland. All work for two-story dwelling.
Owner—Byron H. Gurnette and Chas. S. Chandler (as Gurnette & Chandler), 51 Beaver St., San Francisco.
Architect—Ray F. Coyle Co., 251 Post St., San Francisco.
Contractor—P. J. Pickering, 549 36th St., Oakland.
Filed Apr. 18, '22. Dated Apr. 18, '22.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $7300
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(1769) E DOVER 177 N Fifty-eighth St., 29x95, Oakland. All work for alterations to two-story frame building.
Owner—Mrs. Nellie F. Russell, 5811 Dover St., Oakland.
Architect—None.
Contractor—E. G. & C. Blucher (as Blucher Bros.), 451 Van Dyke Ave., Oakland.
Filed Apr. 17, '22. Dated Apr. 17, '22.
Rough plumbing installed.....$546
Passed by Building inspector... 543
Plastered 543
Completed and accepted..... 543
Usual 35 days..... 543
TOTAL COST, $2718
Bond, none. Limit, without delay. Forfeit, plans and specifications, none.

DWELLINGS
(1770) NO. 1308, 1312, 1318, 1320, 1324, 1326 & 1328 Sixty-seventh St., Berkeley. Eight one-story 6-room dwellings.
Owner—C. M. MacGregor, 470 13th St. Oakland.
Architect—None.
Day's work $2600 each

DWELLING
(1772) NO. 1535 WOOLSEY ST., Berkeley. One and one-half-story 5-room dwelling.
Owner—Matt L. Koski, 35 Ramona Ave. Berkeley.
Architect—None.
Day's work. $3250

FLATS
(1773) S BOULEVARD WAY 300 E Crofton, Oakland. Two-story 10-room dwelling.
Owner—Jane Hinch, 348 Telegraph Ave., Oakland.
Architect—None.
Contractor—Jos. Parker, 944 E-14th St. Oakland. $7000

DWELLING
(1774) N CONTRA COSTA ROAD 300 E Contra Costa Place, Oakland. Two-story 10-room dwelling.
Owner—P. E. Magerstadt, care East Bay Water Co.
Architect—Miller & Warnecke, 414 13th St., Oakland.
Day's work. $8500

DWELLINGS
(1775) W CAVANAUGH ROAD 260 & 200 S Creed Road, Oakland. Two 1-story 5-room dwellings.
Owner—Walter H. Leimert Co., Syndicate Bldg., Oakland.
Architect—Miller & Wernecke, 414 13th St., Oakland.
Day's work. $5000 each

DWELLING
(1776) E EIGHTY-THIRD AVE. 180 S E-14th, Oakland. One-story 5-room dwelling.
Owner—J. W. Burnell, 1311 83rd Ave., Oakland.
Architect—None.
Contractor—J. A. Stanley, 2436 45th Ave., Oakland. $3000

ALTERATIONS AND ADDITION
(1778) NE ELM AND HAWTHORNE, Oakland. Alterations and addition
Owner—A. Potet.
Architect—None.
Day's work. $1000

REPAIRS
(1779) NO. 2231 E-TWENTIETH, Oakland. Fire repairs.
Owner—M. Buelna.
Architect—None.
Contractor—Thos. F. L. Furlong, 61 Echo Ave., Oakland. $1750

DWELLING
(1780) S E-TWENTY-FOURTH 200 E 19th Ave., Oakland. One-story 4-room dwelling.
Owner—W. L. Govan, Bank of Italy Bldg., Oakland.
Architect—None.
Contractor—W. L. Brooke, 1215 Grand Ave., Oakland $2000

SCHOOL
(1782) NW GILBERT AND FORTY-first, Oakland. One-story 5-room school.
Owner—Sixth Church of Christ Scientist.
Architect—W. E. Milwain, Albany Bldg Oakland.
Contractor—F. W. Maurice, 1362 E-25th St., Oakland. $8000

DWELLING
(1783) W HAVENSCOURT BLVD. 600 N Flora, Oakland. One-story 3-room dwelling.
Owner—Adelaide Roderick, 3308 E-12th St., Oakland.
Architect—None.
Contractor—E. Roderick. $1800

DWELLING
(1784) NO. 2915 KINGSLAND AVE., Oakland. One-story 5-room dwelling.
Owner—Harry L. Boyle, 2820 Kingsland Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLINGS
(1785) NO. 2927 MADERA AVE., and 2945 Rawson Ave., Oakland. Two 1-story 5-room dwellings.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750 each

DWELLING
(1786) NO. 2606 MAXWELL AVE., Oakland. One-story 5-room dwelling.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLING
(1787) NO. 2801 RAWSON AVE., Oakland. One-story 7-room 2-family dwelling.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work $5950

DWELLING
(1789) E SEMINARY AVE. 40 S Scenic Way, Oakland. One-story 5-room dwelling.
Owner—Henry Houle, 2533 Seminary Ave., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(1790) E SEVENTY-SECOND AVE. 100 N Hawley, Oakland. One-story 4-room dwelling.
Owner—Archie Malpath, 9603 Hamilton St., Oakland.
Architect—None.
Day's work $2000

FLATS
(1791) NE NINETY-SECOND AVE. & Plymouth, Oakland Two-story 12-room flats.
Owner—R. W. Tutt, 1720 92nd Ave., Oakland.
Architect—None.
Contractor—W. H. Higgins, 9439 Foothill Blvd., Oakland. $6000

DWELLINGS
(1792) S YGNACIO 50 and 90 W Vicksburg, Oakland. Two 1-story 4-room dwellings.
Owner—T. J. McCord, 4741 E-14th St., Oakland.
Architect—None.
Day's work. $2600 each

DWELLING
(1793) SW YGNACIO AND VICKSburg, Oakland. One-story 4-room dwelling.
Owner—T. J. McCord, 4741 E-14th St., Oakland.
Architect—None.
Day's work. $2600

ALTERATIONS AND ADDITION
(1794) NO. 1137 BAY, Alameda. Alterations and addition to dwelling except plumbing and painting.
Owner—James N. Eschen, 1137 Bay St., Alameda.
Architect—Hamilton Murdock, Syndicate Bldg., Oakland.
Contractor—Vernon E. Thorp, 4487 39th Ave., Oakland.
Filed Apr. 20, '22. Dated Apr. 19, '22
Frame up .....¼
Plastered .....¼
Completed and accepted .....¼
Usual 35 days.....¼
TOTAL COST, $3252
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

SERVICE STATION
(1795) NE PARK ST. AND WEBB Ave Alameda. Steel service station, except material.
Owner—Associated Oil Co.
Architect—None.
Contractor—Adam Arras and A. W. Buschke (Adam Arras Co.), 185 Stevenson St., San Francisco.
Filed Apr. 19, '22. Dated Mar. 22, '22
10 days after completion.....75%
Usual 35 days 25%
TOTAL COST, $2374
Bond, $2374. Sureties, R. A. Farrar and Theo. De Pass. Limit, none. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
April 20, 1922—NW NINTH AVE 86.51 SW Silver SW 108xNW 100, Oakland Clarence K Nichol: to whom it may concern.....April 13, 1922
April 20, 1922—LOT 125 Map Oak Park Tract, Oakland. Horace E Hare to S G Rankin, D W Durant and H R Dow.....April 5, 1922
April 20, 1922—S FOOTHILL BLVD 73 W Seminary Ave W 40x62, Oakland. Lenore C Moulin to D Clark and James Allan.....April 20, 1922
April 20, 1922—S FOOTHILL BLVD 110 W Seminary Ave., Oakland Lenore C Moulin to D Clark and James Allan.....April 20, 1922
April 20, 1922—NO. 1427 SAN ANtonio Ave., Alameda D C Haslett to J Digerness.....April 13, 1922
April 20, 1922—STN BLK 1, McLeod Tract, Livermore. Bank of Italy to whom it may concern. Apr 12, 1922
April 18, 1922—W SANTA RAY being Lot 9 Blk 7, East Piedmont Heights Extension, Oakland H Goranson to whom it may concern Apr. 17, 1922
April 18, 1922—E FRANKLIN 716.21 N 14th N 70xE 150, Oakland W H Wakefield to W G McGinty & Sons.....April 12, 1922
April 18, 1922—NW SIXTY-SECOND and Baker 60x57, Oakland. John Wishart to whom it may concern .....April 1, 1922
April 18, 1922—LOT 19 BLK 18, Claremont, Berkeley. Emma L Palache to C R Madison..Apr. 2, 1922
April 18, 1922—LOT 5 BLK 8, Map Fourth Avenue Heights, Oakland. Thos F L Furlong to whom it may concern.....April 17, 1922
April 18, 1922—NO. 1633 TACOMA Ave., Berkeley. John Lehman to whom it may concern..April 18, 1922
April 19, 1922—LOT 12 BLK 5, Thousand Oaks Station Tract, Berkeley. C R Morse to Hind & Morse.....April 17, 1922
April 19, 1922—LOT 5 BLK "G" Map Northbrae Terrace, Berkeley. John O Weston to whom it may concern .....April 17, 1922
April 17, 1922—LOTS 6 AND 7 BLK 6 Map Kinsell Tract No. 2, Oakland. J R Wilson to whom it may concern.....April 15, 1922
April 17, 1922—NE 17.95 LOT 22 and SW 12.05 Lot 23 Map Pleasant Valley Court, Oakland. Milton B Stoner to whom it may concern.. .....April 17, 1922
April 17, 1922—LOT 9 BLK "J" Map Fourth Avenue Terrace, Oakland. K L Lemmon to whom it may concern.....April 15, 1922
April 17, 1922—SE ELWOOD AND Valle Vista, Oakland. S Usevich to whom it may concern..Apr 17, 1922
April 15, 1922—LOT 36 BLK J Map Fourth Avenue Terrace, Oakland. L H Legris to whom it may concern.....April 7, 1922
April 15, 1922—LOT 94 Map Resbdvn Peralta Park, Berkeley. Brooks Parker to Brooks C Parker.....April 11, 1922
April 15, 1922—NW WEBSTER AND Fourteenth N 666 from pt. beg. N 50xW 150, Oakland Horwinski Co to M C Vaughn .....April 11, 1922
April 15, 1922—LOT 108 Sbdvn 30 Map Resbdvn Peralta Park, Berkeley. Brooks C Parker to whom it may concern.....April 14, 1922
April 14, 1922—S BROOKLYN AVE 150 W Haddon Road 39x120, Oakland. Otto Emmit Shriner to Ben F Kopf.....April 14, 1922

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
April 19, 1922—(1) N TWENTY-ninth 255 E Hawley E 5 N 130 W 5 S 130; (2) N 29th 200 E Hawley E 55xN 160, Oakland. David F and David W Blair (Blair & Sons) vs George Edwin Thwaites, Susie C Thwaites and E B Gray.....$955.70
April 19, 1922—LOT 16 Map Cunha & Walker Property, Oakland. Sunset Lumber Co vs John Rakowsky $152.91
April 18, 1922—LOT 8 BLK 2, Map Fourth Avenue Heights, Oakland. Hogan Lumber & Mill Co vs A T Hendricks, W C and Lela Gardner and A McGuinness.....$105.48
April 17, 1922—W WEBSTER 430 S Twenty-first S 50xW 200, Oakland R N Osborne (as Bay Engineering Co.) vs J G Thompson and Leo Nichols $347
April 14, 1922—LOT 18 Map Gibbons Ptty at Oakland Point, Oakland D F Harris vs K M Jurievich and Harry Wessel $175
April 14, 1922—SE FOURTH AND Market E 96.34 S 25 W 91.76 N 25.41, Oakland D F Harris vs Harry Wessel and J Annuzzi...$150
April 11, 1922—N TWENTY-NINTH 255 E Hawley E 5xN 130; N 29th 200 E Hawley E 55xN 160, Oakland. D F Blair & Sons vs E B Gary, Geo Edwin Thwaites and Susie C Thwaites $955.70

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount
April 18, 1922—S SEVENTH 50 W Campbell W 25xS 100-7¼, Oakland. W P Fuller & Co to K M Jurgevich $154

Notice of Non-Responsibility

ALAMEDA COUNTY

April 20, 1922—LOT 118 Map Resbdvn Blk D Meek Estate Orchards, Hayward. H W Meek Estate Orchards as to improvements on property...
April 20, 1922—LOT 119 Map Resbdvn Blk D Meek Estate Orchards, Hayward. H W Meek Estate, Inc., as to improvements on property.....
April 20, 1922—LOT 117 Map Resbdvn Blk D, Meek Estate Orchards, Hayward. H W Meek Estate, Inc, as to improvements on property .....
April 20, 1922—PTN LOT 135 Map Resbdvn Blk D Meek Estate Orchards, Hayward. H W Meek Estate, Inc as to improvements on property..
April 20, 1922—LOT 56 Map Resbdvn Blk D Meek Estate Orchards, Hayward. H W Meek Estate, Inc, as to improvements on property.. ....
April 15, 1922—N W20 LOT 5, all Lot 6 Blk 16, Map Key Route Heights, Oakland. Alameda Investment Co as to improvements on property..

HOMESTEADS

ALAMEDA COUNTY

April 18, 1922—LOTS 6 AND 7 BLK B, Mary E Mortimer Addition to Niles. John Oliver $3500
April 17, 1922—W CAROLINE 275 S Central Ave S 50xW 100, Alameda. Marie R Merrill (wf John H)..$1500
April 14, 1922—W JOSEPHINE 520 N Cedar N 40xW 135, Berkeley. Ernest C Stumm $4000
April 15, 1922—PTN 17.08 acre piece described in deed recorded Liber 593 Deeds, Page 155, Okd. Jessie M Cressy (wf Frank S).....$15,000
April 15, 1922—S BUENA VISTA AVE 50 W Walnut W 33-4xS 100, Alameda. Annie Sand (wf Conrad).$3500
April 15, 1922—LOT 20 BLK "B" Map Amended Map Moss Tract, Oakland Grace G Alexander (wf R M)..$2650
April 15, 1922—W CAROLINE 275 S Central Ave S 50xW 100, Alameda. Marie R Merrill (wf John H)..$4500
April 14, 1922—W WEST 60 S 47th S 50xW 90, Oakland. Heikki Waisanen $4000

RECISSION OF BUILDING CONTRACT

ALAMEDA COUNTY

April 19, 1922—Contract filed April 13, 1922. Owner, Elizabeth S. Loring with C. W. and Louise H. Short, contractor.

BUILDING CONTRACTS

SAN MATEO COUNTY

HEATING SYSTEM
LOT 11-B BOWIE TCT, Hillsborough. All work for hot water heating system for two-story residence.
Owner—Edw. K. Howe, Oakland.
Architect — E. A. Schumacher, 6450 Colby St., Oakland.
Contractor—Frederick W. Snook Co., 596 Clay St., San Francisco.
Filed Apr. 13, '22. Dated Apr. 7, '22.
Pipe and boiler installed.....$584
Completed 584
Usual 35 days..... 584
TOTAL COST, $1558
Bond, none. Limit, 160 working days. Forfeit, $1. Plans and specifications filed.

PAINTING ON ABOVE.
Contractor—Raphael Zelinsky, 180 Jessie St., San Francisco.
Filed Apr. 13, '22. Dated Apr. 11, '22.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $2790
Bond, none. Limit, 160 working days. Forfeit, $5. Plans and specifications filed.

RESIDENCE
COLMA. All work for one-story and basement garage residence.
Owner—Angelo Chelone, Colma.
Architect—None.
Contractor — R. McDonald, Salada Beach, Calif.
Filed Apr. 13, '22. Dated Apr. 11, '22.
Roof on $1500
Completed 1500
5 days after 1675
TOTAL COST, $4675
Bond, none. Limit, 65 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
LOTS 25 AND 26, Burlingame Heights, Burlingame. All work for two-story frame residence.
Owner—Gesicne Meyer, 1918 Divisadero St., San Francisco.
Architect—Andrew P. Hill Jr., 1062 Page St., San Francisco.
Contractor—Thos. N. Gesso, 1405 Grove St., Burlingame.
Filed Apr. 11, '22. Dated Apr. 8, '22.
Frame up $3937.50
Brown coat plaster on..... 3937.50
Completed 3937.50
Usual 35 days..... 3937.50
TOTAL COST, $15,750.00
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
NW BURLINGAME AVE. AND EL Camino Real being Lots 2 and 3 Blk 2, Burlingame Park, Burlingame. All work for two-story frame apartment house.
Owner—Annie L. Turner Johnson, San Mateo.
Architect—W. H. Toepke, 942 Market St., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco.
Filed Apr. 11, '22. Dated Apr. 8, '22.
Frame completed $5500
1st coat plaster on..... 5900
Plaster completed and jambs set 5900
Completed 5978
Usual 35 days..... 7760
TOTAL COST, $31,038
Bond, $15,500. Sureties, E. V. Lacey and Samuel Foresythe. Limit, 90 working days. Forfeit, $10. Plans and specifications filed.

WHARF AND PIER
PACIFIC CITY, San Mateo and Burlingame. All work for wharf and pier.
Owner—Pacific City.
Architect—A. B. Southard, Chief Engineer, 277 Edgewood St., S. F.

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ROSS E. PIERCE, Manager
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Contractor—Geo. A. Renner (as Renner Foundation Co.), 44 Lloyd St., San Francisco.
Filed Apr. 10, '22. Dated Apr 7, '22.
On completion 75%
Usual 35 days..... 25%
TOTAL COST, $7125
Bond, $3563. Surety, United State Fidelity & Guaranty Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
April 12, 1922—PACIFIC CITY, adjacent to Burlingame and San Mateo. Pacific City to Renner Foundation Co.....April 1, 1922
April 12, 1922—LOT 21 BLK 1, Burlingame Terrace No. 2, Burlingame. Frank M Watts to C H Bessett Bldg Co.....April 8, 1922

BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 and Over Reported

DWELLING
NO. 3424 FORTY-SECOND ST., Sacramento. One-story 5-room dwelling.
Owner—Mr. and Mrs. C. J. Little, 2317 W St., Sacramento.
Architect—None.
Contractor — J. W. Hoopes, 5126 14th Ave., Sacramento. $2500

DWELLING
NO. 1140 SANTA BARBARA COURT, Sacramento. One-story 5-room dwelling and garage.
Owner—C. H. Chatterton, 2119 F St., Sacramento.
Architect—None.
Day's work. $4150

FLATS
NO. 2315 F ST., Sacramento. Two-story building (2 flats of 5 rooms each).
Owner—C. F. Pearson, 2323 F St., Sacramento.
Architect—None.
Contractor—W. R. Saunders, 1614 I St., Sacramento. $7600

FLATS
NO. 621 S ST., Sacramento. Two-story four-room (4) flats.
Owner—Fred A. and Laura Bauer, 2926 Donner Way, Sacramento.
Architect—None.
Contractor—Batler & McQueen, 2409 Q St., Sacramento. $7000

FLATS, ETC.
NO. 3959 J ST., Sacramento. Two-story 5-room (4) flats and garage.
Owner—G. Arty, 809 J St., Sacramento.
Architect—None.
Contractor—W. R. Saunders, 1614 I St., Sacramento. $17,000

RESIDENCE
FORTY-FOURTH ST., Sacramento. Residence
Owner — Harry Robertson, 1700 18th St., Sacramento.
Architect—None.
Contractor—Robert P. Shorrock, 1317 8th St., Sacramento. $9500
Filed Apr. 10, '22. Dated Apr. 8, '22.

DWELLING
NO. 5033 U ST., Sacramento. One-story 5-room dwelling and garage.
Owner—A. W. Pattimore, 1525 N St., Sacramento.
Architect—None.
Contractor—L. F. Gould, 600 Ventura Ave., Sacramento. $3600

DWELLING
NO. 3756 MILLER WAY, Sacramento. One-story 5-room dwelling and chicken house.

Owner—Chas. L. Gatten, 28th and T Sts., Sacramento.
Architect—None.
Contractor—J. C. Vaugh, 1703 G St., Sacramento. $3000

DWELLING
NO. 2100 MARSHALL ST., Sacramento. One-story 6-room dwelling and garage.
Owner—W. J. Gough, 2151 Third Ave., Sacramento.
Architect—None.
Contractor—Kilborn & Egge, 1421 L St., Sacramento. $4000

DWELLING
NO. 2520 V ST., Sacramento One-story 5-room dwelling.
Owner—B. A. Richards, 298 Bush St., San Francisco.
Architect—None.
Contractor—G. E. Harvie, 2212 T St., Sacramento. $3800

DWELLING
NO. 3125 FIFTH AVE., Sacramento. One-story 6-room dwelling.
Owner—E. S. Krood, 2217 10th St., Sacramento.
Architect—None.
Contractor—Chas. Carson, Box 129-B.

DWELLINGS
NO. 406 TWENTY-SECOND ST. and No. 2031 D St., Sacramento. Two one-story 5-room dwellings and garages. Sacramento. $3185
Owner—Patrick Egan, Oakland.
Architect—None.
Contractor—Warren Leebe, 2009½ F St., Sacramento. $3500 each

BRICK BLDG.
N ¼ LOT 5, K, L, 6th and 7th Sts., Sacramento. Two-story brick bldg.
Owner—Adam Keller, Sacramento.
Architect—None.
Contractor—Barton & Dudley, Sacramento. $——
Filed Apr. 12, '22. Dated ——.

DWELLING
LOT 1762 and N 10 ft. Lot 1763, W. & K. Tract 24, Sacramento. Dwelling and garage.
Owner—Lou G. and Edith Rux Nrayton, Sacramento.
Architect—None.
Contractor—L. F. Gould, Sacramento. $8000
Filed Apr. 14, '22. Dated. ——

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

$2,500 and Over Reported

RESIDENCE
MONTEREY ST., Stockton. Residence
Owner—North Stockton Town Lot Co., Stockton.
Architect—None.
Day's work $4500

APARTMENTS
E-CHANNEL ST., Stockton Three-story brick apartment house
Owner—Julia Zerwick.
Architect—Ralph P. Morrell, I O O F Bldg., Stockton
Day's work $30,000

ALTERATIONS
N-HUNTER ST., Stockton Remodel building for lodging house, store and basement
Owner—Morris Bros., 26 N-El Dorado St., Stockton.
Architect—None.
Contractor—Cavalero & Dentoni, 412 E-Lafayette St., Stockton $24,500

RESIDENCE
N-STOCKTON ST., Stockton. Residence
Owner—C. W. Myers, 1030 S-El Dorado St., Stockton.
Architect—None.
Day's work. $5000

RESIDENC5
N-STOCKTON ST., Stockton. Residence
Owner—Avis McCloud, 25 W-South St., Stockton.
Architect—None.
Day's work. $3500

RESIDENCE
CLEVELAND AND NORTHCREST Sts., Stockton. Residence and garage.
Owner—Earl Long.
Architect—None.
Day's work. $3200

RESIDENCE
YOSEMITE AND WILLOW STS., Stockton. Residence and garage.
Owner—F. P. Dobson, 27 W-Oak St., Stockton.
Architect—None.
Day's work. $8300

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
April 11, 1922—S ½ OF SEC. 32, T 1, S, R. 9 E, Stockton. S J Irwin (as Irwin Lumber Co) vs Noel Negley $50.01

BUILDING CONTRACTS

SANTA CLARA COUNTY

$1,000 and Over Reported

COTTAGE
S TWENTIETH ST. near San Antonio. San Jose. Four-room cottage.
Owner—J. W. Green, 22 W-San Fernando St., San Jose.
Architect—None.
Contractor—J. Isakson. $1800

COTTAGE
NO. 361 S-EIGHTH ST., San Jose. Five-room cottage.
Owner—A. B. Metcalf, 565 Spencer St., San Jose.
Architect—None.
Contractor—S. H. Gandrup, 132 N-16th St., San Jose. $3450

COTTAGE
NO. 467 GARDNER AVE., San Jose Five-room cottage.
Owner—J. K. Lochner, 766 Prevost St., San Jose.
Architect—None.
Day's work. $2500

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
April 14, 1922—SAN JOSE. United States Products Corporation to Ellis Anderson.....April 7, 1922
April 14, 1922—SAN JOSE. Paolo Albanese to Felix Savio. Apr. 13, 1922
April 13, 1922—SAN JOSE Frank and Annie C Hernandez to A J Nielsen.....April 12, 1922

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April 11, 1922—SAN JOSE. Carl W Patnude to whom it may concern. .....April 6, 1922
April 11, 1922—SAN JOSE. L M Williams to whom it may concern.. .....April 10, 1922
April 12, 1922—SAN JOSE. G B Hall to whom it may concern. Apr. 10, 1922
April 12, 1922—LOTS 20 AND 21 of the Linda Vista Tract, Santa Clara. Geo E and Matie E Barrett to S Hawley..... .....April 10, 1922
April 12, 1922—SAN JOSE. Alfred C Kearney to whom it may concern .....April 10, 1922

BUILDING CONTRACTS

CONTRA COSTA COUNTY

OFFICE BLDG.
S-MACDONALD ST., bet. 22nd and 23rd Sts., Richmond. One-story tile office building.
Ownr—M. A. Hays, Cor. 23rd St. and Macdonald Ave., Richmond.
Architect—None.
Contractor — K. J. Henning, 546 43rd St., Richmond. $4000

DWELLING
NW PINE AND TWENTY-FOURTH Sts., Richmond. One-story frame dwelling.
Owner—Otto Brieger, 4th and Sutter Sts., San Pablo.
Architect—None.
Contractor—F. A. McCausland, Emeric and 23rd Sts., Richmond. $2600

DWELLING
COR. SEVENTH AND CHANSLOR STS., Richmond. One-story frame dwlg.
Owner—John Logan, 133 7th St., Richmond.
Architect—None.
Contractor—A. J. McNany, 824 7th St., Richmond. $3700

BUILDING CONTRACTS

FRESNO COUNTY

$5,000 and Over Reported

APARTMENTS
NO. 1105 DIVISADERO ST., Fresno Apartment house.

Owner—Mrs. Ed Wallace, 1621 Belmont St., Fresno.
Architect—None.
Contractor — D. D. Mancill, 703 Palm St., Fresno. $55,000

DWELLINGS
NO. 3441-3443-3445 WASHINGTON AVE Fresno. Three dwellings.
Owner—N. E. Wilkinson, Fresno.
Architect—None.
Day's work. $2000 each

COMPLETION NOTICES

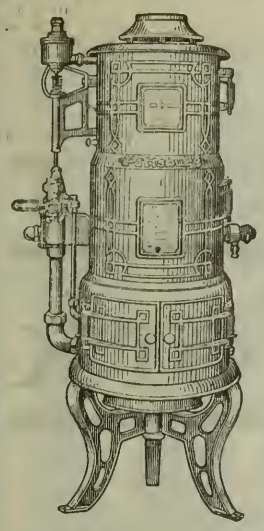
FRESNO COUNTY

Recorded Accepted
April 13, 1922—NO. 2659 OLIVE AVE., Fresno. M T Compton to whom it may concern.....April 12, 1922
April 13, 1922—LOT 48 Bullard North Fresno Addn., Fresno. C Keldgord to whom it may concern. Apr 12, 1922
April 12, 1922—LOT 6, E 20 FT. LOT 5 Blk 12, College Addition, Fresno. Edna M Gray to whom it may concern..... April 10, 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount
Apr. 11, 1922—LOT 8 Peck Col., Fresno. F J Schieck vs John Meufeld.....$110
Apr. 11, 1922—LOTS 1, 2 AND 3 BLK 349, Fresno. L Rozenberg vs Frank Spinosa $263
Apr. 12, 1922—PTN. SEC. 27, 14-21, Fresno Paul Kludler vs Z Najarian et al $176



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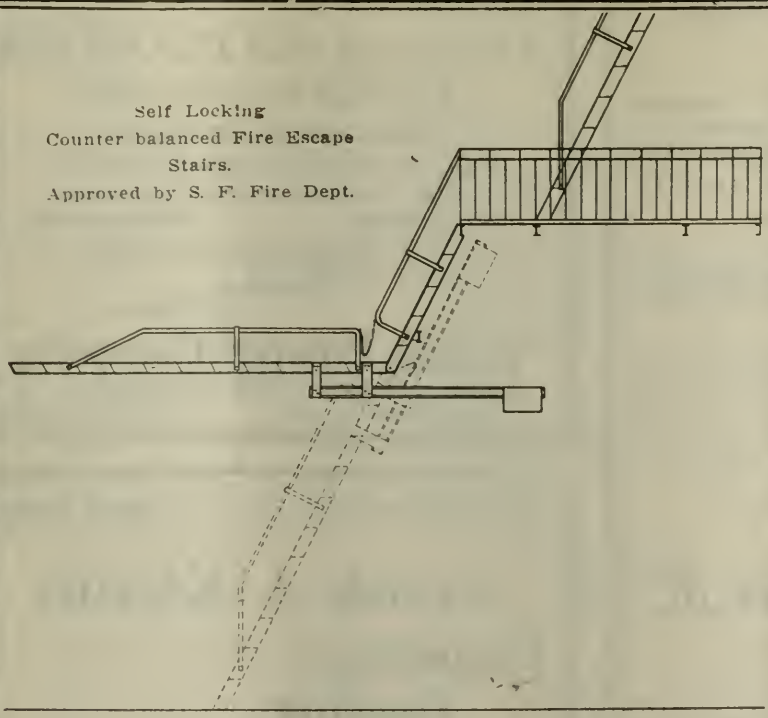

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SAN FRANCISCO, CALIF., APRIL 29, 1922

Published Every Saturday
Twenty-second Year No. 17

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Building & Engineering News

Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday — SAN FRANCISCO, CALIF., APRIL 29, 1922 — Twenty-second Year No. 17

No. 560 Mission Street,
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SUPREME COURT REVERSES DECISION IN ANTIOCH IRRIGATION SUIT

Reversing the decision of the Superior Court in Alameda county, the State Supreme Court holds that the town of Antioch had no grounds for action against the Williams Irrigation District and the 27 other defendants named in the case.

The decision held that there is no pollution of a stream in the legal meaning when the lowering of waters allow sea water to reach a higher stream level, and also holds that an appropriator of water has no guarantee against other appropriators who may cause the level to drop to the point to invite the encroachment of salt water.

In brief, the suit means that Antioch's efforts to stop up-river rice growers from using a large amount of water from the San Joaquin river for irrigation, have failed. In the the action Antioch was joined by a number of farmers from the Delta, who appeared as intervenors. Millions of dollars in wealth were lined on either side.

The decision, signed by Justice Shaw and the others reads:

"Our conclusion is that an appropriator of water from one of these streams at a point, near its outlet to the sea, by such appropriation does not acquire the right to insist that subsequent appropriations above shall leave enough water flowing in the stream to hold the salt water of the incoming tide below this point of diversion."

Situation of a town on the river, the court held, was not material. Riparian rights are not political but private. They extend only to the use of water on land bordering the stream.

The court called attention to the voluminous record in the case, pointing to the 3150 pages of typewritten manuscript. It had been contended by Antioch that users of water had diverted so much, at points from ten to twenty miles above the city, that the level was lowered and salt water came upstream. The town held that this salt water constituted pollution, just as much as if the salt had been poured in the water.

The case was appealed on January 7, of this year, and then appealed to the Supreme Court, which, in this decision, is standing by the Court of Appeals.

DEPARTMENT OF COMMERCE ELIMINATES 59 VARIETIES OF PAVING BRICK

Elimination of 59 varieties of vitrified paving brick, reducing the styles and sizes in use from 66 to 7, is announced by the Department of Commerce, as the result of meetings between representatives of the industry concerned and the Commerce Department's newly established Division of Simplified Commercial Practice. "The Department of Commerce is endeavoring to help manufacturers rid themselves and the trade of excessive and expensive varieties and sizes now adding millions annually to the nation's bill for commercial and industrial development," said William A. Durgin, Chief of the Division of Simplified Commercial Practices, in making the announcement.

In describing this new work of the Department of Commerce, Durgin said that at a meeting held November 15, of last year, the varieties of paving bricks in use were reduced from 66 to 11. At a recent meeting lasting only two hours, the number of recognized varieties was further reduced to seven.

The action of the November meeting of the joint conference of representatives of the manufacturers, distributors, and users of vitrified paving brick received the endorsement of the Chamber of Commerce of the United States, of the American Society of Civil Engineers, the American Institute of Architects, the American Association of State Highway Officials, the National Paving Brick Manufacturers' Association, and other engineering societies, clubs, and organizations, along with some of the Federal Departments which have adopted the recognized types and sizes of paving bricks as standard in their specifications. In addition, since the November conference was held, 46 individual manufacturers of paving brick, acting independently of their trade organizations, have endorsed the action of the original conference. The last meeting, which was held under the auspices of the Division of Simplified Practice, and was presided over by E. J. Mehren, who was unamimously elected permanent chairman, based its action on the original survey and on studies and recommendations since made by the industry itself.

The four aditional eliminations, unanimously agreed upon to take effect at the end of a year, are one size, 3x3½x8½ repressed lug brick; two sizes, 3x4x8½ and 3½x4x8½ of vertical fiber lug brick; and one special wire-cut lug hillside brick, 3½x4x8½. The total shipments of these types and sizes of brick in 1921 are approximated as ten per cent of the total shipments.

REASONABLE WAGE SCALE SOUGHT IN BUILDING INDUSTRY

An earnest effort is being made by several large cities, by impartial study of trade conditions and the requirements of the average worker, to devise a reasonable wage, according to E. T. Thurston, secretary of the General Contractors of San Francisco, in a report made for the San Francisco Chamber of Commerce.

"Theoretically there should appear to be little reason why skilled workmen should not receive the same basic wage regardless of trade," says Mr. Thurston.

"Practically, however, a high degree of specialization tending to limit a man's usefulness to a single trade, coupled with closed charters and other restrictive practices designed to limit the number of available workmen ,both due to the efforts of organized labor, a condition obtains which, because of greater irregularity of employment in certain trades than in others, requires in fairness a differential allowance as between such trades.

"The two outstanding cases of recent scientific wage adjustment are those of Chicago and San Francisco. The subjoined table shows how wages in each case compare with the wage of carpenters, assumed as 100.

"The table also gives for comparison the relative average wages for the ten-year interval 1912-1921 in 50 cities, as compiled by the United States Bureau of Standards, these of course being in general wages fixed by organized labor:

	San Francisco Jan. 1, 1922	Chicago June 1, 1922	50 cities 1912 to 1921
Plasterers.....	125	110	121
Bricklayers ...	113	110	123
Plumbers	113	95	112
Iron Workers..	113	105	113
Lathers	100	100	91
Electricians ...	100	100	104
Sheet Metal....	106	95	98
Carpenters	100	100	100
Painters	100	95	97
Roofers	94	93	—
Laborers	63	73	59

STOCKTON BUILDERS' EXCHANGE IS ORGANIZED

The Stockton Builders' Exchange was organized at recent meeting of building crafts of that city. The exchange will start with a membership of seventy-nine and within three months it is expected the roll will be increased to one hundred. Each member will pay an initiation fee of $25 and pay dues at the rate of $5 month.

The organization committee which brought about the exchange consisted of J. W. Pearce, J. F. Shepherd, W. A. Murphy, W. F. O'Keefe, John T. Lewis, E. H. Grogan, Fillmore Marks, F. P. Sexton and Glenn Allen. In order to secure the additional 21 members desired, this committee has been augmented by the appointment of W. J. Scott, Frank Tucker, H. W. Johnson, Charles F. Rich and C. J. Powell, John T. Lewis is general chairman of the exchange and J. W. Pearce is chairman of the organization committee. Frank A. Kent, with offices in the Yosemite Building, Stockton, is secretary of the exchange.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

The Business Summary of the Twelfth Federal Reserve District, sums up the building situaution as follows: "The most striking industrial development in recent weeks is the record activity in building operations. Figures of building permits for March were, in point of value, the largest figures ever reported in this district, exceeding the previous record month of October, 1921, by 17.5 per cent. Compared with the month of March a year ago, this year's figures exhibit an increase of 47.9 per cent in value and 14.7 per cent in number, indicating a period of unusual activity in construction lines during the summer and fall. Among other industries of the district lumbering is most active. Production during March was approximately 90 per cent of normal, the highest percentage reported by this industry in the past 16 months. New orders received by mills in four principal lumber association were 22.4 per cent greater than March production."

Building activities in Pacific Coast cities for the month of March are reported as follows: Los Angeles, $10,964,829; San Francisco, $3,289,251; Portland, Ore., $3,162,855; Seattle, Wash., $1,791,670; Oakland, $1,925,577; San Diego, $1,068,700; Tacoma, Wash, $309,431; Spokane, Wash., $302,418. The American Contractor of Chicago shows that returns received from building departments in 190 cities show a valuation of $262,283,354. The returns for March 1921 were $131,905,317. These last year returns were from the identical cities reporting this year.

The Jones Bros. Asbestos Supply Co., Inc., of San Francisco, which proposes to engage in the business of selling asbestos products and supplies, has been authorized by the State Corporation Department to issue and sell one share of its capital stock to each of its five incorporators at par $100 per share. It is to issue 100 shares to the partners of a business heretofore conducted by them in exchange for said business. The 100 shares issued in exchange for the business are to be deposited as an escrow.

The Steel Tank and Pipe Co., capitalized at $250,000, has filed articles of incorporation with the county clerk at Oakland and will engage in a general business handling steel, iron and other metal products. The stock is divided into shares of $100 par value, and the directors named are: C. H. Ramsden, Oakland; W. F. Focha, Piedmont, and Claire A. P. Duffie of Berkeley.

Capitalizing for $1,000,000, four Aberdeen men and one Portland man have filed articles of incorporation at Olympia, Wash., for the Marine Equipment Co. of Aberdeen, have purchased a tract of land three blocks east of the Grays Harbor port terminal, and will begin at once construction of a factory to manufacture furniture and fixtures for sea-going vessels.

The Roman Paint Co., with manufacturing plant located at 2255 Folsom St., San Francisco, has opened a factory distributing store at 1915 Broadway, Oakland, under the management of M. Schoonmaker and R. G. Downs. The opening of the Oakland branch is the forerunner of other branches to be located at Stockton, Sacramento, Fresno and Los Angeles.

The following officers were re-elected for the ensuing year, at the recent meeting of the National Paving Brick Manufacturers' Association: Chairman of the Board, S. M. Duty, Cleveland; president, O. W. Renkert, Canton; vice-president, W. M. Lasley, Chattanooga,, and W. P. Blair, Cleveland; treasurer, C. C. Barr, Streator, Ill.; secretary, M. B. Greenough, Cleveland.

A $15,000,000 tube mill will be erected at Gary, Ind., by the U. S. Steel Corp., according to Chairman Elbert H. Gary. The mill will have an annual capacity of about 350,000 tons, increasing the present tube capacity of the corporation by 20 to 25 per cent. The plant will be in full operation before the end of 1923.

Construction of a $4,000,000 drydock at the Mare Island navy yard, capable of accommodating the largest capital battleships, has been recommended to the House appropriation committee at Washington, D. C., by Theodore Roosevelt, assistant secretary of the navy, and Admiral Gregory, chief of the Bureau of Yards and Docks.

Building operations in Fresno for the first three months of 1922 aggregated $1,797,189 in value as compared with $956,280 for the same period in 1921, and $2,092,489 for the same period in 1920. Prior to 1920 the greatest valuation for the first quarter of any year since 1911 was $619,105 in 1918.

The Aeroil Burner Co., Inc., 266 Hudson Ave., Union Hill, N. J., manufacturers of oil burning appliances for roofers, waterproofers, paving and insulating contractors, street and highway departments, has issued Bulletin No. 20, showing in illustrated form the advantages of their producta. Copies will be mailed on request.

Thos. W. Dupes, building inspector of Bakersfield and State Director of Housing Edward Glass are compiling a new building code for the city of Bakersfield. The old code, which has been in use for some years will be revised to conform with modern requirements for construction and fire prevention.

D'Arcy Ryan, lighting engineer, has prepared data for Uptown Association of Oakland, for a lighting system in San Pablo and Telegraph Avenues and Broadway. Electroller proposed is a combined trolley and light pole having two arc lamps of 1500 candle power each.

President Harding has signed the Langley Bill appropriating $17,000,000 to provide additional hospital facilities for disabled veterans of the World War. The money will be expended under the direction of the Veteran's Bureau.

Negotiations for the purchase of the property at J and Tuolumne streets, Fresno, will be completed this week by the San Joaquin Light and Power Company, which proposes to improve the site with a ten-story office building.

The stock of the Lodi Lumber Co. at Lodi has been sold to A. A. and D. N. Snyder, J. W. and J. A. Jacobson and D. Zwight. The Snyders and Zwight are managers of a large saw mill in Oregon, and Jacobson is the manager of the California Pine Box Company of Los Angeles.

Officials of the Willys-Overland Co., are contemplating the establishment of an assemblying plant on the Nicholl property in Twenty-third street, Richmond, along the Oakland branch of the Santa Fe Railroad.

D. A. Bird, engineer in the Northern California field for the past eight years, has purchased the stock and fixtures of the Western Gas & Electric Appliance Co. at Chico, and will operate under the name of the Bird Electric Company.

Harold H. Ginnold, Arcade Bldg., Seattle, Wash., has been retained as school architect by School District No. 1 of Tacoma, Wash., to handle the $100,000 building program to be undertaken this summer.

The Carpenters' Union of Billings, Montana, vote voluntary wage cut of $1 a day, effective immediately. The former scale was $8 a day. The action follow similar action taken by the plumbers, plasterers and bricklayers.

The Chicago office of the Chicago Bridge and Iron Works will be moved on or about May 1 from the Old Colony Building to the Transportation Building. San Francisco offices are maintained in the Rialto Building.

The Berkeley City Planning Commission is outlining plans for the reclamation of the waterfront for available factory sites. It is proposed to reclaim tidelands by dumping mineral waste, street sweepings and ashes.

The Bostwick Steel Lath Co. of Niles, O., has established a branch selling agency in Los Angeles at 923-41 E. Third St. under the management of H. A. Hargrave, special representative.

Santa Rosa High School District will call an election in immediate future to vote bonds of $300,000 to purchase a 40-acre site and erect a new high school.

Offices of the California State Board of Architecture, Northern District, will be removed from Rooms 1039-1040 Phelan Building to Rooms 437-438 Phelan Building, San Francisco.

The Electric Lantern Corp., of Los Angeles, manufacturers of the Duallite Electric Lantern, has opened up San Francisco offices at 962 Mission street with Geo. A. Parker in charge.

Sacramento City Council is considering the adoption of an ordinance regulating scaffolds, stagings and platforms used in building construction.

Antioch votes bonds of $96,000 to construct reservoir for water storage.

ALONG THE LINE

The Electric Manufacturing Co., of Los Angeles, has filed articles of incorporation as has the American Protection Products Corporation of San Francisco. Each is capitalized at $220,000. The former concern will manufacture electric equipment and the latter was organized for the purpose of installing and operating protection signals in the bay cities.

The Sacramento Brick company has filed articles of incorporation with the Secretary of State. Company has a capitalized stock of $155,000. Directors are: William P. Dwyer, Robert T. Devlin, A. J. Ashen, William H. Devlin and A. I. Diepenbrock.

The Holt Manufacturing Co, of Stockton, has the contract to build $60,000 worth of machinery for the Western States Gas and Electric Company. The machinery will be used on the Twin Lakes storage project, just above Kirkwood in Alpine county.

Due to increased building operations in Oakland, City Building Inspector T. W. Ryan has requested the city council to appoint an additional inspector that buildings now under construction will not be delayed due to inspection.

The Pacific Ready-Cut Homes, Inc., with main offices in Los Angeles, has entered the Fresno field, locating offices at 1241-43 Broadway, with E. B. Milnor, manager.

W. T. Pierce and I. T. Winsett of Tucson, Ariz., have organized the Pierce Engineering Co. of Tucson and will engage in a general engineering and construction business.

Adams Lumber Co. of San Francisco, permitted by State Corporation Department to sell 50,000 shares of its capital stock, par value $1, at par for cash.

B. P. Lyons retained as engineer to prepare plans for improvements in recently organized Millwood Sanitary District at Susanville.

City of Lodi has retained Clyde F. Smith, engineer with the State Board of Health, to prepare estimates of cost for a sewage disposal plant.

The Kleanshine Co., has purchased a site in Wall Ave., near Vutting Blvd., Richmond, and will erect a plant for the manufacture of metal polish.

Senator Pittman of Nevada, seeks appropriation of $175,000 to erect and equip boarding school for Indians on the 150-acre tract at Elko, Nevada.

Woodland city trustees adopt specifications to construct 18,627 lineal feet of curbs and gutters in several streets.

Plant of Pacific Manufacturing Co., at Santa Clara suffers $20,000 fire loss.

American Plan Declared at Fresno--Industrial Ass'n Issues Statement

The opening gun in the movement to establish the American Plan in Fresno's industrial and commercial life was fired with the issuance of a statement of principles by the Valley Industrial Association. This action followed a meeting of the board of directors of the association, organized two months ago.

The statement is signed by a group of 25 business and professional men and bankers, all specifically declining the designation of employers in preference to a middle position to bring employer and employe together under conditions meeting the principles enunciated.

The officers of the association are: President, O. L. Everts; vice-president, H. E. Vogel; treasurer, F. B. Billings; secretary, W. C. Johnson; and manager, J. W. Hunt. The directors are:

Arthur Anderson, Helm company; T. B. Billings, Fresno Building corporation; R. D. Chittenden, California Road and Street Improvement company; C. H. Cobb, L. S. Cobb and company; O. L. Everts, attorney-at-law; E. Y. Foley, fruit distributor; M. K. Harris attorney-at-law; R. S. Heaton, assistant manager Bank of Italy; R. C. Heiner, Sugar Pine Lumber company; W. B. Holland, Holland and Holland; A .V. Lisenby, Lisenby Manufacturing company; W. O. Miles, president Union Natoinal bank; W. B. Minturn, agriculturist; W. D. Mitchell, president Valley bank; Lucius Powers, president Growers National bank; F. Dean Prescott ,general manager Valley Lumber company; Virgil Routt, Routt Lumber company; Milo L. Rowell, Hobbs-Parsons company; H. W. Shields, Trewitt-Shields company; W. A. Sutherland, president Fidelity Trust & Savings bank; H. E. Vogel, agriculturist; A. Emory Wishon, manager San Joaquin Light & Power company; O. J. Woodward, president First National bank.

The Industrial association statement in full follows:

Fresno's industrial problems, labor and capital are both essential, let us co-operate.

Fresno is recognized as the birthplace of the two most successful co-operative organizations in America—The Sun-Maid Raisins Growers, and the California Peach and Fig Growers. It should not be backward in applying the principle of co-operation in our industrial problems.

The valley industrial association is a co-operative organization.

The primary object of the association is to promote the happiness and welfare of the people of Fresno, and by producing a maximum of harmony and efficiency in our industrial life to make of Fresno a great city. It is the aim of this association, by fostering and developing a spirit of co-operation between employers and employes, to make our city constantly attractive.

a. To men who desire to work.

b. To men engaged in constructive enterprises.

c. To investors of capital.

d. To bring about the elimination of strikes through an assurance to workers of good wages, good working conditions, and continuity of employment, a condition that would insure the employer, the employe and the public against misguided interruptions of industry and frequent unjustified charges in labor costs.

We are not organized to bring about, and it is not our purpose to cause, industrial strife in our city, but to prevent the same and retin legitimate competition. There is no issue between this association and union labor, as such. The association members have no desire to interfere with legitimate functions and activities of labor organizations, when lawfully conducted, with due regard to the rights of others. The principles of our organization, embodied in the constitution and by-laws, are as follows:

First—The right of any person to seek, secure and retain work for which he or she is fitted; and the right of the employer to engage or dismiss employes should not be abridged or denied because of membership or lack of membership in any association of any kind.

Second—Efficiency in industry. This should be created and maintained to enable our enterprises to cope with those of other places. Superior skill and industry in work should be permitted to earn an adequate reward. No artificial limit or restriction should be placed upon the use of any appliance, invention, or other means to increase output, always having due regard for the health, safety and well being of the individual.

Third—The right of management is inseparable from responsibility for industrial result. Therefore, the right of the employer to engage or dismiss man or woman individually on merit must not be circumscribed. The right on all occasions, however, to be exercised only upon broad principles of justice and with a recognition of the obligation on the part of the management to co-operate with the employes in securing, as far as possible, continuous employment.

Fourth—No understanding should be reached between employers and employes that ignores the public interest, and no agreement should be tolerated that is illegal or contrary to sound public policy, whether made between employers themselves, or with employes or others. To at all times elevate the standard of industrial relations by paying a just wage, and by such dealing with workmen that will permit of no just cause for complaint. To attempt to eradicate all unjust contracts or combinations which tend to restrain trade or business.

The personnel of the association's directorate sufficiently indicates that the directors should not be classed as "employers." Rather, the list printed below shows clearly that the organization is one which is calculated to create and maintain better feeling between employers, as a class, and employes, as a class, to the end that our city may grow and prosper. If, as an intermediary, it can produce the fullest measure of cooperation in industry, it will have justified its existence, and Fresno's future will be assured.

Every citizen of Fresno, who believes in the foregoing statement of principles, is invited to join the Valley Industrial association.

The fellow who believes he is a wise man without ever finding out the difference has a great deal more fun than the man who never believes he is going to arrive.

Vital Points on Portland Cement

By JOHN E. McELDOWNEY, Editor Real Estate News, Chicago
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A Marvelous All-American Industry Built Up in Fifty Years on Basis of High Service and Constantly Declining Prices — How Competition Among Manufacturers All Over the Country Operates—Portland Cement Association Aids Cement Users and Promotes New and Wide Uses of Product by National Service in Educational and Scientific Work —Facts Every Man Should Know About Cement Making and Selling in the United States.

One of the most discussed subjects in the United States today is that of Portland cement. The average man thinks he knows all about it. He sees it used every day. He walks on it, rides over it, scrapes furnace ashes from it in his basement. Out of this familiarity he gets a belief that he can talk about cement with authority. Yet not one man in a thousand really knows anything worth while about the cement industry.

The whole country is in dire need of the truth about this vast industry. Everybody is affected by it, for its use is vital in the lives of all of us. It is not too much to say, perhaps, that our whole civilization of today is based on a cement foundation. Our cities rely on it for factories for their workers, bridges for their streams, foundations for their homes, roadways for their traffic and sidewalks for their safe and easy transit. On our farms it is indispensable—foundations, silos, stock houses, fertilizer pits, myriad other uses. Finally, it has come to serve the nation as the firm link which, in the form of hard roads, binds city and countryside together for mutual weal.

Yet how little the average American knows about this marvelous cement which binds the country together. Thousands of merchants, alert, active, well informed, have sold cement for years and yet know only in a hazy way how it is made and marketed. Thousands of builders have bought it, and used it, for years and years, and have their business success dependent in large part on it, and yet know not the important hows, whys and wherefores of the cement business.

Importance of Wider Knowledge

This lack of wide knowledge concerning cement involves a real peril. The more any product is needed for our personal and national well being, surely, the more each of us should know about it. Only as we are informed of the workings of the industry and of its needs to better serve us, can we bring to bear a common intelligence in protection of our interests as affected by that industry. And this is particularly true of any industry which, because of its bigness and its vast organization, may be made the target of harmful laws, lawsuits or political attacks.

Any industry which in its nature is wealth creative is peculiarly entitled to help from enlightened public opinion. For injury to such an industry injures also the public interest. This principle applies with especial force to the cement industry. Its product is not destroyed or consumed in use. Wherever it goes it is permanent, adding to the national wealth and the taxable values of all property. As a common example of this may be cited the rises in farmland values due to concrete roads wherever built. So it may be seen what grave results to the public might result from public action of any sort which would disorganize a national industry now adding at least $200,000,000 a year directly to property values, and indirectly sums far beyond computation.

Affects Vital Issues of Prosperity

A wider knowledge of the cement industry is especially to be desired at this time by the realty owning, taxpaying and business interests of the country. We have a big job of national construction and reconstruction on our hands. There is a housing shortage affecting millions of us. Huge programs of bridge, subway, track elevation, street widening work, confront us in the cities; of hard road building costing hundreds of millions in the rural districts. We all know the unemployment problem vexing us depends for solution on these building programs.

Not one of these major projects so vital in nature can be completed—many could not even be planned—except by relying upon the cement makers of the United States to put at our disposal the products of their mills. This realized, is it not the duty of all of us to be informed concerning cement, its making and marketing methods, and so judge what the individual and the public official ought to do to advance common prosperity?

Prices Have Steadily Declined

Portland cement has been made only during the last hundred years, and only about fifty years in America. In 1880 the U. S. production was only 42,000 barrels, grown to a high water marks of nearly 100,300,000 barrels in 1920 (U. S. Geol. Survey figures).

Throughout that 40-year period production increased while price declined. In 1880 cement sold at $3.00 per barrel average at the mill. The average competitive mill price in 1920 was $2.02. In 1921 this had dropped to $1.87. Now it is considerably less. At many of the large plants it is now $1.50 per barrel or only half of the average price in 1880, and less than the average of $1.53 for the 40-year period covered in the government report.

Effect on Building Projects

As to current prices of Portland cement there is considerable discussion. In some political quarters there has been complaint, including concerted action by public officials in some places to stop vast road and other public improvements until cement producers slash prices to some figure arbitrarily fixed by these officials. Generally, however, the industry is going ahead. Buyers are taking cement at the market prices in increasing volumes, as indicated by official construction figures month by month.

The fact that cement is a vital necessity in home building inclines most people to exaggerate in their minds the cost of this item of material expense. Yet the cement cost in an average $10,000 house, including basement and sidewalks, is only from 1½ to 2 per cent of the whole cost involved. In apartment houses the cost is from 1.7 to 2.1 per cent; in office buildings of fireproof construction from 1.5 to 3 per cent; and even in reinforced concrete buildings, with foundations, walls, floors and roof all of concrete, the cement cost averages only 6.5 per cent of the total cost. Thus, a difference of 10 cents per barrel on cement prices means a total of about $10 for each $10,000 spent in building.

In every industry the costs of making and distributing a product are the biggest element in determining market prices. How have these costs affected cement? How are they acting on current operations in the manufacture, sale and shipment of cement?

How High Costs Hit Manufacturers

The cost of making cement is made up principally of labor, freight rates, coal and limestone, and the chief element in the cost of coal and limestone is labor. An investigation of the costs of one of the largest cement plants in the United States discloses the fact that its cost of coal at mines in February, 1922, was 203 per cent greater than in 1913, the cost of limestone at quarries 60 per cent greater, and of labor 54 per cent greater. About 1¾ tons of raw material and coal are required to produce one ton of cement. Freight rates on coal in February, 1922, were 107 per cent greater than in December, 1913, and on limestone 52 per cent greater. But the increase in selling price of this company as compared with 1913 is only 48½ per cent.

When these facts are considered those of us who have held to a view that current cement prices are high may revise our ideas. It may help us to read what the War Industries Board said in an official bulletin in 1919:

"The remarkable lowering of the prices of Portland cement from $3 a barrel in 1880, while the prices of its chief competitors, lumber, brick and stone, advanced from 20 to 75 per cent, is one of the reasons why Portland cement has gained new uses at the expense of its rivals. The decline in cement prices from 1913 to 1914 and 1915 was the result of sharp competition between cement mills with productive capacity over 50 per cent in excess of the output. The subsequent rise in the price of cement from 1916 to 1918 was due to rapidly increasing wages and fuel costs. On the whole, however, cement prices did not rise as rapidly as the prices of other building materials."

Facts on Manufacturers' Profits

The industry which has thus consistently lowered the price of its products is misunderstood by many people as to its methods and manner of growth, as well as to its operations. The development of this industry has been marked by many failures. It is known that over 320 companies have been formed to make Portland cement. Of these 60 failed of enough capital to begin operating, 90 were driven from the field by lack of success; some 30, with from $1,000,000 to $12,500,000 invested capital, went bankrupt. The rest survive in the form of about 85 producing concerns.

Few indeed are the dreams of wealth that have come to realization through Portland cement, a fact which may be surprising to many people. The great size of plant units and the enormous output gives us an impression that tremendous profits must result. A recent official compilation of earnings of nineteen companies producing 30,000,000 barrels a year in the Eastern field of the United States, shows average per cent profits of 6.6 in 1919 and 5.1 per cent in 1920. One of these concerns with $8,250,000 invested earned a net

income in 1920 of only $4239.96 on a business of 1,100,000 barrels. The U. S. Geological Survey reviewed the industry in these words a few years ago:

"The situation presents a peculiar paradox. Here is a great industry showing constant development and increase in production, but the situation from the standpoint of the manufacturer is far from encouraging. There are no dividends in sight, and some of the mills are in the sheriff's hands. The cement manufacturer has been a veritable anomaly in modern commercial and industrial development. His industry enjoys the unique distinction of being the only one of its magnitude that has been practically free from over-capitalization. The price of his product is so low that one could not scrape the free sand from the gutters at much less cost per barrel than the present price of cement."

Why Cement Prices Are Uniform

The fact that cement is always sold at a uniform price at any one time in any one market is a matter many people cannot understand. It is even argued that this fact tends to prove that cement companies operating in the same field do not enter into competition, but work in combination. The reason for this, however, is very simple when the nature of the product is examined.

Portland cement is probably the only manufactured article in the United States which has been absolutely standardized. Years ago, to insure structural safety of great works and the safety of many people, the U. S. Government, American Society of Civil Engineers and American Society for Testing Materials named a special committee. This body, in a labor lasting many years, set the standard for this material. This standard fixes the chemical composition, specific gravity, fineness, soundness, time of setting, tensile strength, and all other qualities. Every Portland cement must comply with that standard. Hence all are exactly alike.

The law of prices where such materials meet in competition in the market is set forth in "The Theory of Political Economy," by W. Stanley Jevons, LL.D., M.A., F.R.S. (MacMillan & Co., Ltd., London, last published in 1871). Jevons says:

"When a commodity is perfectly uniform or homogeneous in quality, any portion may be indifferently used in place of an equal portion; hence in the same market, and at the same moment, all portions must be exchanged at the same ratio. . . Where no difference exists at all there can be no ground for preference whatever. If in selling a quantity of perfectly equal and uniform barrels of flour, a merchant arbitrarily fixed different prices on them, a purchaser would, of course, select the cheaper ones; and where there was absolutely no difference in the things purchased, even an excess of a penny in the price of anything worth a thousand pounds would be a valid ground for choice. Hence follows what is undoubtedly true, that in the same open market, at any one moment, there cannot be two prices for the same article."

How Delivered Prices Are Developed

To understand the uniform pricing of cement, in all markets, and the reasons for it, it must be held in mind that this product is usually sold f. o. b. the delivery point. The mass of men who buy and use cement know nothing about freight rates. Not one in a thousand could ever figure a complex freight rate schedule so as to know what his cement could cost him at his home railway station if bought at a mill price. For these and other reasons cement buyers generally do not desire to buy at the mill but purchase at the point of delivery. So the manufacturers, to simplify business for users, have always carried the burden of figuring the freight and, of course, charged it in when making delivered prices. No one but a freight traffic expert, of course, can grasp an idea of the titanic task of figuring thousands upon thousands of freight rates needed to meet the demands of every city and hamlet in America as to cement.

As the economic law precludes a difference in prices of Portland cement at the same market at the same moment, as stated by Jevons, the place of competition between the factors shifts from the market to the mill. Thus the usually uniform price at any market, instead of indicating lack of competition, really is the result of severe competition between manufacturers. Futhermore, with the product absolutely uniform, any manufacturer who quotes more than the lowest price offered by any other in any given market will not be able to sell his product, for purchasers will not pay him a premium. He must meet the lowest price made by any one or get out of the market. That the competition has always been active and real, and frequently of the "cut-throat" variety, has been repeatedly recognized and commented on in many Government publications. In one notable price war in the Eastern field, in 1915, lasting for four months, millions of barrels were sold at an average loss to the warring companies of more than ten cents per barrel.

As to Future Delivery Contracts

In cement merchandising methods several unique features have been developed. One of these pertains to future delivery contracts. Men who contract to carry out vast improvement projects, requiring large quantities of cement to be delivered at various times as the work goes ahead, must needs protect themselves from loss by knowing in advance what their cement for the job will cost them. They do so by a contract for future delivery, whereby the cement maker agrees, perhaps three years in advance, to deliver to the contractor the cement he will then need, as estimated by engineer or architect.

These future delivery contracts differ from the ordinary contract in commerce in this: They are binding, in practice, only upon the manufacturer. There are no margins posted, no advance payments on account. For the buyer it is like purchasing "futures" on the stock exchange without putting up a cent. If when the time of delivery comes the buyer wants the cement contracted for, he takes it; if not, the manufacturer "holds the bag."

In making these future contracts, it was for years a practice of many buyers to contract for cement for the same piece of work with each of two, three or more manufacturers. Then, at delivery time, if the price was up ten cents or more a barrel over contract price, the buyer would call on each of the manufacturers to deliver to him the amount of his "futures" and frequently sell them in the open market at the profit he could make. So it happened that ofttimes a man with 10,000-barrel contracts with a number of mills could "scalp" the market for $1000 or more each on his contracts. And if the market was "off" or stationary, the contract holder would cancel his excess contracts without loss.

This system, naturally, kept the industry in a turmoil. No cement mill manager could ever know how much solid business he had on his books for future delivery. He could not possibly gauge the market or know whether to increase or cut down activity. He could not know whether his mill storage space would be glutted with cancelled orders or his bins be bare of supply. This, plainly, is a perilous state of affairs when you are doing business on a scale of millions and with an industry where steady intake and outgo of product is vital to successful operation

So it came about that the manufacturers of cement, in order to remove this peril, were forced to require each seeker of a future delivery contract to inform them what job or project each "future-delivery" contract covered. It should be noted that this custom applies only to "future deliveries." **As in any other line of business, any person can at any time get all the cement he wants without specifying where the cement is to be used, providing he will take and pay for it.** The only thing the manufacturer aims to do is to protect himself on "future-delivery" contracts against the buyer speculating with cement still undelivered and unpaid for.

Work of Portland Cement Association

The Portland Cement Association is a group activity in which the manufacturers have engaged, and to it is attributed largely the growth of the industry. It is said that more benefit has been given the people of the United States by this association than by any other organization in the country. Through it the cement companies have made large expenditures to promote greater use and better methods in cement work. The cement problems of the country have been solved by its experts as they have arisen, and it is the highest type of promotive and scientific organization.

As everyone knows, cement is never used alone. Its value in use, and therefore the demand for it, depends upon whether it is used properly. Cement makers soon found, therefore, that if their material was ever to be popularized, and its uses extended, the would have to point the way. The individual manufacturer could not afford to do this experimental, scientific and educational work. So all in the industry joined hands in doing a national work of research of standardizing concrete methods and developing new uses through this association. They pay the costs of this vast work on a pro rata basis.

The work of the Portland Cement Association is in the interest of cement users. Its chemists seek to improve the ways of mixing and placing concrete. Its structural engineers give the public free service as to large concrete structures. From its farm bureau any farmer may obtain free plans and designs of many farm structures to be made of concrete. Its highway bureau assists in preparing highway laws, acts as an adviser to public officials and contractors on cement road work, and keeps highway builders informed of new and improved construction methods. Its staff of field engineers, operating out of 24 offices in all sections, is at the service without cost to all architects, engineers and others on public and private construction projects, helping in the great work of making cement serve the public. This association has no relation to production, prices or sales.

TIMBER SUPPLY GOING RAPIDLY, EXPERT SAYS

At the present rate of consumption the timber supply now in sight will be exhausted in ten years, Dr. Carlisle Winslow, director of the United States forest production laboratory, told the convention of the American Chemical society meeting in Birmingham, Ala. Dr. Winslow declared that a recent survey or virgin yellow pine lumber standing in the south showed that 82 per cent will be cut out in five years or less.

Organization in Construction

By Evan Shelby
Formerly Legal Adviser Construction Division, U. S. Army New York City

Before the World War I had a rather hazy idea of contractors and it seemed to me that their business principally consisted of inducing some rather ignorant officials to award a very large job at a very high price to a man of very small financial responsibility and perhaps very little construction experience but who would produce enough profit to allow a liberal division with the aforesaid politicians and also permit of a very fair return to this fortunate best bidder.

Now, I realize that I was all wrong. I know the important part that the construction industry bears to the life of the nation. It is, next to farming, the basic industry of our land. All manufacture, all transportation, in fact all of our urban life is principally founded upon the construction industry. It could not proceed without it. When we went into the World War, the greatest lack of preparedness that came immediately to the attention of the government was that in construction.

There was no such thing at that time, as those in authority found out, as an organized construction industry to which they could turn to carry on the enormous program they had before them. It is true there was organization in certain of the allied professions such as engineering and architecture; but the contractors, the men upon whom the country rely to do the actual building, were not organized. In fact they were the most competitive class of all the classes in our commercial life. The need for the entire output of the construction forces of the country was immediately brought home to the government. The army and navy, the agencies that were to turn the industrial life of the nation from peace time to war time pursuits, soon found out that they could not rely upon the old methods under which construction contractors were actually competing in what might well be called huge gambling projects where the risk of entire failure was usually the price of a job.

Army Construction Division Formed

There men who had this work in hand for the government could not risk failure on their important job. The work had to be done and the thing confronted those responsible for it was to utilize to the best advantage the construction resources of the country, to utilize all of the ability, experience and resources in equipment, men and money of the contractors of this country. This resulted in forming the Construction Division of the Army. I do not mean just the managerial force, the men in uniform and their associates at Washington who might well be called the central office force, but I mean what might better be termed the great holding company into which were gathered all of the contracting units with all of their organizations in the country, the contractors and sub-contractors who were brought together far and wide and put to work in the field to carry on the most gigantic construction program ever conceived in any country at any time.

I have a pardonable pride in having been allowed to do my bit in that organization and I know that many feel the same emotion for the part that they took in this stupendous work. What an everlasting pity it is that the needs of an acrimonious political campaign should have brought into the public press and upon the platform, false and distorted reports of this truly great and patriotic achievement!

When I think of those foul slanders I feel very much in the same frame of mind as was a voter in the good State of Indiana who during a very heated political campaign where the electioneers from both sides were importuning every voter, who after standing it as long as he could, replied to one of the questions by saying, "I am through with it! There is nothing in this world I hate more than a Democratic politician, except a Republican politician."

Efficiency Through Organization

Organization permitted that war time work. Without some central organization the nation could not have accomplished the huge task it put through in the construction field. We secured efficiency by organization. Efficiency is just as desirable in peace time as it is in war time. It means the elimination of duplication, the elimination of waste, the making of every ounce of energy and every cent's worth of material produce its full measure of return. The progress and wealth of the nation are largely if not entirely due to the efficiency in the basic industries.

This is the day of organization. Everything is tending that way. There was a time when every large organization was under suspicion because of its power for evil. Today most countries, both by laws and executive action are encouraging such combinations because of their power for good. There can never again be a question of the efficacy of organization after Germany showed to the whole civilized world that it could be held at bay for four years simply through super-organization.

All peoples are now directing their attention to the good that may be accomplished by organization. All industries with the possible exception of farming in this country are being organized. The construction industry was the last of the important industries outside of farming to become really highly organized.

Do not think that I believe that we no longer have use for competition. Competition is one of the most desirable things we have and as long as men are created different we are going to have competition, but competition which expends useful energy with no commensurate return must be eliminated. In the construction industry there is too much competition in matters where competition only amounts to duplication and waste for which the public in the end must pay. There is ample room for the play of the principle of competition in the factors of service which the general contractors must render such as skill, economy, speed, integrity and dependability.

Uniform Contracts Cut Litigation

I could point to almost countless reasons for organized effort on the part of the construction contractors if time would permit. In the matter of contracts alone will be found ample reason for the existence of this Association. If you can persuade the industry as a whole to adopt a form of contract that will be standard, you will have done an immeasurable good. A basic uniform contract which shall gradually receive judicial interpretation which will be accepted in all courts, in all states, will eliminate untold waste in the countless litigations which arise merely from the difference in the style of construction contracts.

I may be accused of speaking against the bread and butter of my own profession but if they must earn their bread and butter through useless litigation, it were better that a goodly number of them be starved into some other line of endeavor. Progress in legislation, dealing with the construction industry, requires combined effort to accomplish. Joint effort not only irons out the differences in the industry itself but produces the desired effect upon those whom we call to legislate for us.

Construction contractors are responsible for the expenditure of such enormous sums of money, perhaps four billion dollars a year, that they should be organized in a way to deal most beneficially and effectively with the collective groups from whom they must purchase the labor and the materials for their work.

Public Opinion Largest Asset

Public opinion is one of the largest assets in any industry. To direct and properly influence public opinion is particularly the function of organized effort in such industry. It is not half as important that individual contractors should make large individual profits as it is that the great construction industry should be right. That is to say that it should be conducted on the highest principles of fair dealing and efficiency and that the world should be made to know that construction contractors are not just gamblers in how much a piece of construction work will cost but are producers, are industrial workers who are rendering to the public the highest class of skilled professional and managerial services.

The A. G. C. has undertaken a work which I venture to prophesy will have as fine a result on the commercial life of this nation as any association of the best in any line of endeavor has ever set as its goal.

WESTERN LOAN & BUILDING COMPANY OPENS OAKLAND OFFICES

The Western Loan and Building Co., of Salt Lake City has opened offices in Oakland, with "one million dollars of outside capital available for home building and commercial construction." Officers of the Oakland branch are: J. J. Stevenson, secretary of the Sunset Lumber Company, president; Roscoe W. Littlefield, general contractor, first vice-president; Frank Flint Porter, pioneer Oakland realtor and president of the Oakland Real Estate Association, secretary and treasurer.

The board of appraisers are: George Jamieson of Rhodes-Jamieson, material dealers and coal and feed men; R. C. Hillen, builder of homes; J. J. McCarthy, Alameda Title Insurance Company; Carl T. Doell, plumbing contractor; Chris Nelson, head of the Chris Nelson Company, paints and wall paper; J. C. Downey, Downey Paint Company.

Other charter members, in addition to the officers and appraisers, are: John P. Maxwell of the Maxwell Hardware Company, and C. L. Calvin, attorney-at-law.

Building News Section

APARTMENT HOUSES

Contract Awarded.
APARTMENTS Cost, $15,000
FRESNO, Fresno Co., Cal. 633 Mildreda St.
Apartment house.
Owner—J. R. Jorgenson, 2522 Tulare St., Fresno.
Architect—None.
Contractor—W. A. Duncombe, 2727 Fresno St., Fresno.

Contract Awarded.
APARTMENTS Cost, $46,000
SAN FRANCISCO. NE Sacramento and Le Roy Place.
Three-story and basement frame apartment house (18 apts.)
Owner—Mrs. Hattie M. Tillman, Hotel Adair, 445 Ellis St., S. F.
Architect — Wm. F. Gunnison, 1666 Golden Gate Ave., San Francisco.
Contractor—Jas. L. McLaughlin, 251 Kearny St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $110,000
SEATTLE, Wash. University District.
Four-story mill and masonry (32 2 and 3-room) apartments.
Owner—John S. Williams, Poulsbo, Wash.
Architect—Frank H. Fowler, Smith Bldg., Seattle, Wash.
Contractor—Walter & Brady, Hoge Bldg. Annex, Seattle, Wash.

Contract Awarded.
APARTMENTS Cost, $30,000
SACRAMENTO. 14th near Capitol Park. Two-story frame and plaster apartment house (12 apartments, sun porch, open court with pool, etc).
Owner—C. E. Hoffman, % Continental Casualty Co., Sacramento.
Architect—Weeks & Day, California Fruit Bldg., Sacramento.
Contractor—E. D. Brier, 321 27th St., Sacramento.

Contract Awarded.
APARTMENTS Cost, $20,000
OAKLAND. W 3rd Ave. 100 N E-12th.
Two-story frame 26-room apartment house.
Owner—Lena Nutall and Lena Clark, 3134 11th Ave., Oakland.
Architect—None.
Contractor—Fred Omo, 2128 11th Ave., Oakland.

To be Done by Day's Work.
APARTMENTS Cost, $15,000
FRESNO, Fresno Co., Cal. No. 815 Dudley Avenue.
Two-story frame apartment house (4 apts.)
Owner—Emmet Riggins, 1525 O St., Fresno.
Architects — Glass & Butner, Rowell Bldg., Fresno.

Contract Awarded.
APARTMENTS Cost, $15,000
FRESNO, Fresno Co., Cal. No. 1545 N-Van Ness Avenue.
Frame apartment house.
Owner—Helen E. Oeltjen, Fresno.
Architect—None.
Contractor—Nels N. Nelsen, 848 Roosevelt St., Fresno.

Contract Awarded.
APARTMENTS Cost, $35,150
SAN FRANCISCO. N Turk 70 E Jones.
Three-story and basement reinforced concrete apartment house 8 2 and 3-room apartments, (designed for 5 stories).
Owner—A. F. Niedt, Hotel Spalding, San Francisco.
Architect—Willis C. Lowe, Monadnock Bldg., San Francisco.
Contractor—W. S. King, 215 Hearst Bldg., San Francisco.

Contract Awarded.
APARTMENTS Cost, $10,750
OAKLAND. W Kenmore 347 S Boulevard Way.
Two-story 11-room frame apartments.
Owner—Violet L. Davison, 120 Hamilton Ave., Oakland.
Architect—None.
Contractor—Cox Bros., 2212 Broadway, Oakland.

Plans Being Figured.
APARTMENTS Cost, $12,500
SAN FRANCISCO. N Grove 120 W Ashbury.
Two-story and basement frame (4) apartments.
Owner—V. Virgilio, care Western Process Engraving Co., 76 2nd St., San Francisco.
Architect — Wm. F. Gunnison, 1666 Golden Gate Ave., San Francisco.
Figures are being taken for a general contract.

Contract Awarded.
APARTMENTS Cost, $25,540
SAN FRANCISCO. E Dolores 75 S 14th Street.
All work except window shades, lighting fixtures, wall beds, gas radiators, painting and water heating, for a 2-story and basement frame apartment house.
Owner—John A. Tray, 3574-B 17th St., San Francisco.
Architect—C. A. Claussen, Hearst Bldg San Francisco.
Contractor—Finn Andersen, 1941 15th St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $175,000
SAN FRANCISCO. NE California and Gough Sts.
Nine-story class A reinforced concrete community apartment house (8 8-room apts. with music room and organ loft on roof, and garage in basement).
Owner—California & Gough Building Cptn.
Architect—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.
Contractor—MacDonald & Kahn, 130 Montgomery St., San Francisco.

Working Drawings Being Prepared.
APARTMENTS Cost, $175,000
SAN FRANCISCO. SW Hyde and Greenwich Sts.
Eleven-story and basement Class A reinforced concrete apartment house (20 5 and 6-room apts.)
Owner—Withheld.
Architect — C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.

Bids Opened—Contract to be Awarded to Low Bidders.
APARTMENTS Cost, $35,000
SONORA, Tuolumne Co., Cal.
Two-story reinforce dconcrete or brick apartment and store building (18 2-room apartments).
Owner—Withheld.
Architect—Chas. H. Young, Commercial Savings Bank Bldg., Stockton.
(a) Brick construction; (b) reinforced concrete; (c) omit certain portion in rear (brick construction); (d) omitt same in reinforced concrete construction).
Davison & Nicolsen, 180 Jessie St., San Francisco, and 31 S Sutter St., Stockton, (a) $38,362; (b) $46,800; (c) deduct $7500; (d) deduct $7500.
— Grayson, (a) $42,656; (b) $45,319; (c) $6154; (d) $7550.
W. J. Scott, Stockton, (a) $44,303; (b) $44,375; (c) $9600; (d) $9700.

Contract Awarded.
APARTMENTS Cost, $14,600
BERKELEY, Cal. 2718 College Ave.
Two-story 16-room frame apartments and garage.
Owner—Pearl Shockley, Oakland.
Architect—None.
Contractor—Louis Engler, 2940 Forest St., Berkeley.

Contract Awarded.
APARTMENTS Cost, $24,000
SAN FRANCISCO. N Pine St. 73 E Jones St.
Three-story and basement frame (11) apartments.
Owner — Blankenburg & Williamson, 105 Montgomery St., San Francisco.
Architect & Contractor—E. Blankenburg, 105 Montgomery St., S. F.

Contracts Awarded.
APARTMENTS Cost, $18,000
SAN FRANCISCO. Buchanan and Herman Streets.
Two-story and basement frame and plaster apartment house.
Owner—Mary J. McLeod.
Architect—Meyer & Johnson, Bankers' Investment Bldg., San Francisco.
General Contract to McIntosh Bros., 180 Jessie St., $16,016.
Plumbing to Ahlbach & Meyer, 85 Dorland St., $1940.
Painting to E. P. Norman, 3773 24th St., $1300.
Electric Work to Globe Elec. Co., 1959 Mission St., $1030.

Contracts Awarded.
APARTMENTS Cost, $——
SAN FRANCISCO. NW Market and
Two-story and basement frame (10) apartments.
Owner—Adolph Dittman.
Architect—Carl Geilfuss, 1056 Fulton St., San Francisco.
General Contract to F. L. Hansen, 251 Kearny St., $18,400.
Plumbing, Gas Pipes, Sewerage and Fixtures to Henry Ernst & Sons, 2727 Union St., $2550.

Contract Awarded.
APARTMENTS Cost, $13,500
SAN FRANCISCO. S Fulton 103-6 E Cole.
Two-story and basement frame (4) apartments.
Owner—Mrs. May Foley, 770 5th Ave., San Francisco.
Architect—John J. Foley, 770 5th Ave., San Francisco.
Contractor—Thomas Hamill, 6140 Geary St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $33,000
SANTA ROSA, Sonoma Co., Cal. Humboldt Street.
Two-story reinforced concrete apartment house.
Owner—Sidney Kurlander.
Architect—C. A. McClure, Santa Rosa.
Contractor—J. J. Graper & Lloyd Cutts, Santa Rosa.

BANKS

Contract Awarded.
BUILDING Cost, $18,370
MOUNTAIN VIEW, Santa Clara Co., Cal.
Alterations and addition to bank bldg.
Owner—Farmers & Merchants National Bank Bldg., Mountain View.
Architect—M. G. West Co., 385 Market St., San Francisco.
Contractor—J. S. Sampson Co., Monadnock Bldg., San Francisco.

Plans Being Prepared.
BANK BUILDING Cost, $100,000
BERKELEY, Cal. Fulton St. opposite Kittredge St.
Two-story and basement reinforced concrete bank building.
Owner—Federal Land Bank.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Contracts Awarded.
BUILDING Cost, $——
MOUNTAIN VIEW, Santa Clara Co., Cal.
Alterations and addition to bank bldg.
Owner—Farmers & Merchants National Bank Bldg., Mountain View.
Architect—M. G. West Co., 385 Market St., San Francisco.
General Contract to J. S. Sampson Co., Monadnock Bldg., San Francisco, $18,370.
Marble Work to Joseph Musto Sons-Keenan Co., 535 North Point, San Francisco, $2100.
Ornamental Bronze Work to California Artistic Metal & Wire Co., 349 7th St., San Francisco, $3310.
Cabinet Work to Ostlund & Johnson, 1901 Bryant St., San Francisco, $4625.

Contractor Taking Sub-Figures.
BANK Cost, $50,000
LODI, San Joaquin Co., Cal. NW School and Oak Streets.
One-story hollow tile bank building.
Owner—Citizens National Bank.
Architect & Contractor—Davis-Heller-Pearce Co., Delta Bldg., Stockton.
Construction has just been started.

BONDS

SAN LUIS OBISPO, Cal.—Election will be held May 29, to vote bonds of $68,500, for following improvements: septic tank for city sewer disposal grounds, $15,000; extensions to sewer system, $20,000; constructing concrete culverts, $20,000; purchase of fire apparatus, installing 10 fire hydrants and auxiliary fire engine, $10,000; 3 reinforced concrete bridges, $15,000. Warren B. Burch, Lowe Bldg., city engineer.

RUNNYMEDE, Santa Clara Co., Cal.—Bonds of $28,000 voted to finance additions to Ravenswood school building at Runnymede.

BAKERSFIELD, Kern Co., Cal.—Election will be held May 12 in Buttonwillow School District to vote bonds of $22,000 for school improvements. Trustees of district are: W. S. Smith, J. H. Jones and J. P. Anderson.

NEWMAN, Stanislaus Co., Cal.—Newman Grammar School District will vote bonds of $6000 to equip school now under construction.

ALHAMBRA, Cal.—An issue of $300,000 bonds for construction of an activated sludge treatment plant adjoining site for Pasadena's proposed sewer farm will be submitted.

LONG BEACH, Cal.—The $600,000 bonds for parks and playgrounds failed to carry.

LONG BEACH, Cal.—Bonds of $100,000, for incinerator at sewage screening plant voted.

LONG BEACH, Cal.—The $2,000,000 bond issue to purchase harbor lands for municipal wharves defeated at recent election.

LONG BEACH, Cal.—The $100,000 bond issue for sewage disposal carried at special election. Screening plant will be remodeled and enlarged

LONG BEACH, Cal.—The $125,000 bonds for fire alarm system carried.

EL CENTRO, Imperial Co., Cal.—The Board of Supervisors contemplates the calling of a special election to vote bonds for a new court house. The amount of the proposed issue has not been definitely determined but will probably be about $350,000.

FRESNO, Fresno Co., Cal.—Pomona Grammar School District will vote May 9 on the question of issuing bonds of $7,900 for school improvements. Trustees are A. L. McKnight, Chris. Pedersen and Mrs. Florence Harris.

VISALIA, Tulare Co., Cal.—Until May 1, bids will be received by the supervisors for the purchase of $110,000 bond issue of Visalia School District, proceeds of sale to finance school improvements, plans for which are being prepared by Architect Ernest J. Kump, Rowell Bldg., Fresno.

STOCKTON, San Joaquin Co., Cal.—Election will be held May 1, in Calaveras School District to vote bonds of $16,000 for school improvements. Trustees are: W. A. Odor, C. A. Osborn and James Brumby.

PACIFIC GROVE, Monterey Co., Cal.—Bonds of $40,000 voted in Pacific Grove High School District to finance school improvements.

HOLLISTER, San Benito Co., Cal.—Election will be held May 19 in Ausaymas School District to vote bonds of $4600 to finance additions to school. Trustees are: Mrs. Waldo Rohnert, W. A. Underwood and F. J. Smith.

SANTA ROSA, Sonoma Co., Cal.—Until May 10, bids will be received by supervisors for purchase of $25,000 bond issue of Lewis School District; proceeds of sale to finance school improvements.

PIEDMONT, Alameda Co., Cal.—Bonds of $100,000 of Piedmont High School District sold by supervisors for premium of $4805; proceeds of sale to finance school improvements.

OAKLAND, Cal.—Until May 15, bids will be received by supervisors for purchase of $51,000 bond issue of Irvington School District; proceeds of sale to finance school improvements.

ANTIOCH, Contra Costa Co., Cal.—Bonds of $96,000 voted to construct reservoir in hills south of city where river water will be stored to supply city.

SACRAMENTO, Cal.—Isleton Union School District will vote May 6, question of issuing bonds of $45,000 to finance new school building. Trustees of district are: Paul G. De Back, W. M. Hutton, J. L. Hodapp, T. C. Poole.

VISALIA, Tulare Co., Cal.—Supervisors sell bond issues as follows: Dinuba Union High School District, $65,000, premium of $11,000; Exeter School District, $88,000, premium of $9517; Lindsay School District $15,000, premium of $6658; Lindsay High School District, $10,000, premium of $912; Orosi Union High School District, $60,000, premium of $5551. Proceeds of sale in each instance will finance school improvements.

SANTA ROSA, Sonoma Co., Cal.—A bond election will be held on May 19th by the Santa Rosa High School District to vote bonds of $275,000 to purchase a 40-acre site and erect a new high school. No architect has been selected as yet.

FRESNO, Fresno Co., Cal.—Until May 5, bids will be received by supervisors for purchase of $18,000 bond issue of Orange Cove Joint Union School District of Fresno and Tulare counties; proceeds of the sale to finance school improvements.

RENO, Nevada—Until May 10, bids will be received by Trustees of Reno School District No. 10, for purchase of $200,000 bond issuue; proceeds of sale to finance construction of a new high school, plans for which are being completed by Architects Geo. Ferris & Son of Reno.

CHURCHES

Plans to be Approved Next Week.
CHURCH Cost, $100,000
SAN MATEO, San Mateo Co., Cal. Tilton Avenue from Ellsworth to Griffith
Reinforced concrete church, 600 seating capacity (tile roof).
Owner—Congregational Church.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Plans Being Prepared.
CHURCH Cost, $25,000
PETALUMA, Sonoma Co., Cal.
One-story frame and plaster church.
Owner—Christian Science Church.
Architect—Edward G. Bolles, 233 Post St., San Francisco.
Plans will be complete in about a month.

Commissioned to Prepare Plans.
CHURCH Cost, $100,000
STOCKTON, San Joaquin Co., Cal.
Fireproof church.
Owner—First Christian Church.
Architect — Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.

Plans Being Prepared.
ADDITION Cost, $12,000
PALO ALTO, Santa Clara Co., Cal.
One-story frame and stucco addition to church with tile roof.
Owner — Grace Methodist Episcopal Church.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

Plans Being Prepared.
AUDITORIUM Cost, $20,000
OAKLAND, 17th and Fruitvale Aves.
One-story frame and plaster auditorium
Owner—Fruitvale Christian Church.
Architect—W. H. Weeks, 369 Pine St., San Francisco, and Robert H. Orr, Van Nuys Bldg., Los Angeles.

Plans Being Prepared.
CHURCH Cost, $——
BAKERSFIELD, Kern Co., Cal. 13th and H Sts.
Fireproof church.
Owner—First Christian Church.
Architect—Robert Orr, Van Nuys Bldg., Los Angeles.

Commissioned to Prepare Plans.
CHURCH Cost, $50,000 first unit
BERKELEY, Alameda Co., Cal. Colusa and San Pablo Sts.
First unit of church (Sunday school rooms and community hall).
Owner—Thousand Oaks Baptist Church
Architect — Julia Morgan, Merchants Exchange Bldg., San Francisco.

FACTORIES & WAREHOUSES

Segregated Sub-Figures being Taken
MACHINE SHOP Cost, $15,000
SAN FRANCISCO, S Folsom St. bet. Fifth and Sixth Streets.
One-story brick and hollow tile machine shop.
Owner—Louis R. Lurie.
Architect—S. Helman, 57 Post St., San Francisco

Contract Awarded on a Percentage Basis.
ADDITION Cost, $60,000
OAKLAND, Alameda Co., Cal. No. 2725 E-Fourtenth Street.
Two-story and basement reinforced concrete and brick 200x60, addition to factory (mill construction interior).
Owner—Magnovox Co., premises.
Architect—B. J. S. Cahill, Easton Bldg. Oakland.
Contractor—Lawton & Vezey, Call Bldg., San Francisco.

Bids Opened—Contract to be Awarded to Low Bidders.
WAREHOUSE Cost, $——
SACRAMENTO, Cal. N L St. between 6th and 7th Sts.
Five-story mill construction warehouse building 110x160.
Owner—Brenner Co.
Architect—Jas. S. and Chas. L. Dean, City Library Bldg., Sacramento.

Betz & Mabrey, Ochsner Bldg., Sacramento	$124,867
Wm. G. Reid, Salt Lake City	130,665
K. E. Parker Co., S. F.	131,300
McGilvrary Constr. Co., Sacto.	134,800
Hock & Hogmeyer	135,900
William Murcell, Sacramento	137,658
Mathews Constr. Co., Sacto.	138,000
Wm. C. Keating, Sacramento	138,700
Holdener Constr. Co.	143,891
Siller Bros., Sacramento	165,292
Herndon & Finnigan, Sacto.	167,191

Contract Awarded.
ALTERATIONS Cost, $10,000
OAKLAND. SW San Pablo Ave. and 22nd St.
Alterations to warehouse.
Owner—Bekins Fireproof Storage Co.
Architect—None.
Contractor—Harry C. Knight, 388 12th St., Oakland.

Contract Awarded.
COAL STORAGE BLDG. Cost, $10,000
SAN FRANCISCO. West Divisadero 50 N Bush Street.
Two-story frame coal storage building.
Owner—Piombo Brothers, Premises.
Architect—L. Travers, 854 Union St., San Francisco.
Contractor — Michael Dempniak, 355 Octavia St., San Francisco.

Contract Awarded
CLASS B BLDG. Cost, $314,700
SAN FRANCISCO. S Mission W Beale Street.
Five-story Class B building adjoining present building.
Owner—W. P. Fuller & Co., NW Beale and Mission Sts., San Francisco.
Architect—G. A. Applegarth, Claus Spreckels Bldg., San Francisco.
Contractor—R. McLeran & Co., Hearst Bldg., San Francisco.
The contractor is to receive $15,000 on a guarantee that the minimum cost of the building will not exceed $314,700.

PORTLAND, Ore.—Gilpin Construction Co., Portland, at $44,800, awarded contract by Public Dock Commission to construct transit sheds on unit 2 of Municipal Terminal No. 1. Will be 187 ft. wide and 500 ft. long.

RICHMOND, Contra Costa Co., Cal.—Officials of the Willys-Overland Co. have notified the Richmond Industrial Commission that 25 acres of the Nicholl property at Twenty-third street along the Oakland branch of the Santa Fe Railroad will be inspected as a possible site on which to locate the assembling plant of the company.

VALLEJO, Solano Co., Cal.—The Western Die Casting Co., 2927 Newbury St., Berkeley, is conferring with the Vallejo Chamber of Commerce regarding the establishment of a plant in that city. The company proposes to erect a structure having a floor space of 20,000 sq. ft. and costing $45,000. The firm now manufactures the Winslow carburetor.

SUSANVILLE, Lassen Co., Cal.—J. A. Noggle & Son, C. E. Noggle, have had plans prepared for a two-story reinforced concrete flour mill to be erected in Susanville. Storage elevators of steel and concrete construction will also be erected.

BAKERSFIELD, Kern Co., Calif.—Di Giorgio Farms Company of Bakersfield, Joseph Di Giorgio, president, contemplates erection of pre-cooling plant for shipping grapes to cost $1,500,000. The work will include the construction of a railroad at least seven miles long from the Southern Pacific line at Edison Station southward. The company contemplates an expenditure of $4,000,000 in farm developments.

FIREHOUSES AND JAILS

Completing Plans.
FIRE STATION Cost, $——
PASADENA. Los Angeles Co., Cal. Broadway and Holly Streets.
Two-story concrete fire station and fire alarm building, 146x71x115x51 feet.
Owner—City of Pasadena.
Architect—Cyril Bennett, 313 Kendall Bldg., Pasadena.

FLATS

Contract Awarded.
FLATS Cost, $14,600
SACRAMENTO, Cal. 3511 J Street.
Two-story frame flat building (4 4-room flats).
Owner—Mr. and Mrs. V. A. Robinson, 1326 K St., Sacramento.
Architect—None.
Contractor—G. E. Harvie, 2212 T St., Sacramento.

Contract Awarded.
FLATS Cost, $10,479
SAN FRANCISCO. N Grove 131-3 E Clayton.
Two-story and basement frame (2) flats.
Owner—Chris H. Mingst, 79 Scott St., San Francisco.
Architect—None.
Contractor—Herman S Meinberger, 5720 California.

Contract Awarded.
FLATS Cost, $17,500 each
SAN FRANCISCO. N Geary St. 66 and 120 N Parker Avenue.
Two two-story and basement frame flat buildings (4 flats in each bldg.)
Owner—T. D. Harder, 77 O'Farrell St., San Francisco.
Architect — Alfred Kuhn, 833 Market St., San Francisco.
Contractor—G. E. Ahl, 1237 2nd Ave., San Francisco.

Contract Awarded.
FLATS Cost, $16,000
SAN FRANCISCO. NW Lake and 12th Ave.
Two-story and basement frame (2) flats.
Owner—Louis Kahn, Hearst Bldg., San Francisco.
Architect—Houghton Sawyer, Hearst Bldg., San Francisco.
Contractor—Collman & Speidel, 548 Monadnock Bldg., San Francisco.

Figures Being Taken for Grading and Concrete.
FLATS Cost, $11,000
SAN FRANCISCO. W Arguello Blvd. and S Hugo.
Two-story and basement frame and plaster flat building (2 5-room and sleeping porch flats).
Owner—Withheld.
Architect—Mel. I. Schwartz. Nevada Bank Bldg., San Francisco.
Other figures will be taken shortly.

Contract Awarded.
FLATS Cost, $11,330
SAN FRANCISCO. N Filbert 125 E Baker.
Two-story and basement frame (2) flats.
Owner—Georgina Crosscup, 2823 Broderick St., San Francisco.
Architect—None.
Contractor—W. W. Rednall, 2500 Filbert St., San Francisco.

Contract Awarded.
FLATS Coest, $10,000
SAN FRANCISCO. W Twenty-first Ave. 135 N Fulton St.
Two-story and basement frame (2) flats.
Owner—George & Charlott Christman, 1586 9th Ave., San Francisco.
Architect — Milton Morrison, 716 41st Ave., San Francisco.
Contractor—John Little, 1035 Lincoln Way, San Francisco.

Plans Completed.
FLATS Cost, $12,000
SAN FRANCISCO. S Vallejo 165 W Leavenworth.
Two-story and basement frame (2) flats.
Owner—A. Tollini.
Architect—W. H. Crim, 425 Kearny St., San Francisco.

A. E. Leitch Fred Clark
CLARK & LEITCH ROOFING CO.
Successors to E. S. Warner
Office and Warehouse:
1116 SECOND ST., SACRAMENTO
Phone Main 726

Contract Awarded.
STORE AND FLAT Cost, $10,000
DANVILLE, Contra Costa Co., Cal. Hartz Ave.
Two-story brick store and flat.
Owner—J. A. McDonald, Danville, Cal.
Architect—None.
Contractor—Randolph Hook, Walnut Creek, Cal.

Contract Awarded.
FLATS Cost, $15,000
SACRAMENTO, Cal. 2516 M Street.
Two-story frame flat building (4 4-room flats).
Owner—Miss M. G. Cousins, 601½ K St., Sacramento.
Architect—None.
Contractor—G. E. Harvey, 2212 T St., Sacramento.

Contract Awarded.
FLATS Cost, $10,000
SACRAMENTO, Cal. 1620 S Street.
Two-story frame flats (4 4-room flats and garage).
Owner—John Stassi, 1620 S St., Sacramento.
Architect—None.
Contractor—M. A. Fratis, 1728 S St., Sacramento.

GARAGES

Contract Awarded.
GARAGE Cost, $14,900
SAN FRANCISCO. E Valencia 90 S 21st Street.
One-story and basement reinforced concrete garage.
Owner—Judge Matt I. Sullivan, Humboldt Bank Bldg., San Francisco.
Architect—None.
Supt. of Construction—J. C. Bateman, 2303 Bush St., San Francisco.

Contract Awarded.
GARAGE Cost, $18,000
SAN FRANCISCO. W Divisadera 50 S Bush Street.
Two-story concrete public garage.
Owner—Divisadero Street Invst. Co.
Architect—Plans by Owner.
Contractor—American Concrete Co., 785 Market St., San Francisco.

Completing Plans.
GARAGE AND STORE Cost, $18,000
GILROY, Santa Clara Co., Cal.
One-story and mezzanine reinforced concrete public garage and store building 80x120.
Owner—Mrs. A. Ellis, Gilroy.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

Contractor Taking Sub-Figures.
GARAGE Cost, $50,000
STOCKTON, San Joaquin Co., Cal. California Street.
Two-story reinforced concrete garage, 75x100.
Owner—Dr. F. A. McCan, Stockton.
Architect & Contractor—Davis-Heller-Pearce Co., Delta Bldg., Stockton.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—Appropriation of $4,000,000 for dry dock at Mare Island Navy Yard, has been recommended by Theo. Roosevelt, assistant secretary of the Navy, and Admiral Gregory, Chief of the Bureau of Yards and Docks.

SAN FRANCISCO—Until May 4, 10 A. M., bids will be received by Quartermaster Supply Officer, Fort Mason, for furnishing and delivering under Circular 22-67, lubricating oils; 12,700 cup grease; laundry marking tags; machine bolts; flashlight batteries; 250 lbs. white zinc paint, etc.

JUNEAU, Alaska—Until May 1, 10 A. M., bids will be received by U. S. Bureau of Public Roads, Dept. of Agriculture, Goldstein Bldg., to construct Kitchikan-Ward's cover road in Tongass National Forest, 2.36 miles long, involving 10.78 acres clearing; 5.29

grubbing; 18,472 cu. yds. rock excavation; 15,271 cu. yds. common excavation; 775 lin. ft. log culverts; 3484 cu. yds. gravel or crushed rock surfacing. 908 lin. ft. trestle decking.

Separate blds, same date, to construct 7 miles of Glacier highway, Tee Harbor section in Tongass National Forest, involving 33.95 acres of clearing; 17.50 acres grubbing; 11,721 cu. yds. rock excavation; 45,272 cu. yds. common excavation; 1420 lin. ft. log culverts; 5200 lin. ft. corduroy; 684 lin. ft. trestle decking. Spec. on file in Room 316. Postoffice Bldg., Portland, Ore.

WASHINGTON, D. C. —Turner Co., 272 Natoma St., San Francisco, has been awarded the contract for the mechanical equipment for nineteen reinforced concrete hospital buildings to be erected at the U. S Veterans Hospital in Palo Alto, Santa Clara County, California. Contract price, $292,400.

WASHINGTON, D. C.—Following is complete list of bids received by Bureau of Yards and Docks, Navy Department, under Spec. No. 4610, for electrical distributing system for the naval base San Diego, Calif.:

G. E. Engineering Co., 449 W 42nd St., New York City, $41,900; time specified.

Mack & Mack, 103 Park Ave., New York City, $52,777; 90 days.

Butte Electrical Equipment Co., 530 Folsom St., San Francisco, $37,568; 90 days.

Nepage-McKenny Co., 589 Howard St., San Francisco, $48,800; 90 days.

Globe Electrical Works, 1959 Mission St., San Francisco, $35,962; 90 days.

Southern Electric Co., 866 3rd St., San Diego, $48,617; 90 days.

Rice-Moss Electric Co., 1963 Santee St., Los Angeles, $37,790; 90 days.

Newberry Electric Corp., 724 Olive St., Los Angeles, $49,000; 90 days.

W. A. McNally & Co., 106 West Colorado St., Pasadena, Calif., $34,400; 90 days.

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies and Accounts, Navy Department, for furnishing and delivering supplies to Navy Yards as follows; date for opening blds as noted at end of each paragraph:

Schedule 9585, eastern and western yards, 12 engine lathes and 12 combination drill cutters and grinders, May 9.

Sched. 9588, Mare Island, 20,000 pounds sheet lead; May 9.

Sched. 9589, Mare Island, 16,500 steel bolts and nuts; May 9.

Sched. 9593, for Mare Island and Puget Sound, 700 doz corn brooms, and for Mare Island, 500 doz. do; May 16

Sched. 9597, for Mare Island, 11,250 ft. leather belting; May 16.

WASHINGTON, D C.—Following is complete list of blds received by Bureau of Yards and Docks, Navy Department, under Spec No. 4606, for constructing roads and walks at the naval hospital base, San Diego, Calif.:

R. H Travers, 3144 Arcade Bldg., Seattle, Wash., $40,348; 70 days.

David H Ryan, 1615 Fern St., San Diego, Calif, $51,920.67; 75 days.

Wright & Doran, 315 Spreckels Bldg., San Diego, Calif, $40,000; time as specified.

John Engebretsen, 205 McNeise Bldg, San Diego Calif., $46,964.51; 90 days.

G W. Cushing, 2005 oosevelt Ave., Richmond Calif., $34,062.50; 75 days.

Riley & Peterson, 3044 Goldsmith Ave., Loma Portal, Calif., $39,000; 75 days.

WASHINGTON, D C—Wright & Doran, 315 Spreckels Bldg., San Diego, Calif., at $77,000, awarded contract by Bureau of Yards and Docks, Navy Dept., to construct gun shed (only) at San Diego Naval base, under Spec. 4579, time for completion, 210 days. Blds were asked to construct gun shed and stable.

WASHINGTON, D C.—Miller Eddleman, 401 Bancroft Bldg., San Diego, at $22[illegible]3 awarded contract by Bureau of Yards and Docks, Navy Dept., under Spec. 4579 to construct coal shed and garage at Point Loma, Calif., time for completion, 60 days.

WASHINGTON, D. C.—Otis Elevator Co., at $3370, awarded contract by Supervising Architect, Treasuury Dept., to install elevator in Sacramento postoffice; time for completion, 50 days.

WASHINGTON, D. C.—Otis Elevator Co., 810 18th St., Washington, D. C., at $33,477, awarded contract under Spec. 4507 by Bureau of Yards and Docks, Navy Department, to install passenger elevator in hospital at Naval base, San Diego; time for completion, 90 days.

WASHINGTON, D. C.—Following is a list of projects for which plans are being prepared by Bureau of Yards and Docks, Navy Department, of interest to Pacific Coast contractors:

Specification 4455, Puget Sound, repairs to roof, building 84.

Spec. 4519, marine barracks, Mare Island, installation of toilet fixtures.

Spec. 4548, Pearl Harbor, turbo alternator.

Spec. 4566, Pearl Harbor, 5 buildings for torpedo and ammunition storage.

Spec. 4567, Pearl Harbor, mine storage building, ammunition depot.

Spec. 4575, Pearl Harbor, roads.

Spec. 4581, San Diego, Calif., hangar and oil storehouse.

Spec. 4582, San Diego, Calif., quartermaster guardhouse and shops.

Spec. 4591, Pearl Harbor, quay wall and piers.

Spec. 4593, marine barracks, Mare Island, Calif., remodeling commandant quarters.

Spec. 4601, marine barracks, Mare Island, Calif., remodeling south half of building 53.

Spec. 4615, Astoria, Ore., piers, bulkhead, breakwater, and dredging.

Spec. 4618, San Diego, one-story storehouse.

Spec. 4624, San Diego, Calif., mooring dolphins and timber piers.

Requests for plans or further information on these projects will not be available until same are ready for bids.

WASHINGTON, D. C.—Mahony Bros., Flood Bldg., San Francisco, have been awarded the general contract for the construction of nineteen reinforced concrete buildings at the U. S. Veterans Hospital at Palo Alto, on their bid of $861,969.

WASHINGTON, D. C. — Following bids received by Bureau of Yards and Docks, Navy Department, under Spec. 1577, for extension to building 368, for ordnance storage at the navy yard, Puget Sound, Wash.:

Item (1) entire work complete; (2) deduct for omitting mezzanine floor in inner ailse; (3) furnishing and erecting structural steel work only on foundations furnished and installed by the government.

W. F. Martens, 112 Cutler Bldg., Rochester, N. Y., Item (1) $71,500, 200 days; (2) $15,000, 20 days; (3) $31,692, 160 days.

J. B. Murphy, 3144 Arcade Bldg., Seattle, Wash., Item (1) $77,000, 150 days; (2) $3958; (3) $40,287, 120 days.

E. G. Peters, 608 Mutual Life Bldg., Seattle, Wash., Item (1) $83,250, 180 days; (2) $11,250, 10 days; (3) $43,250.

A. W Quist Co., 311 Hoge Bldg., Seattle, Wash., Item (1) $67,454, 180 days; (2) $12,929; (3) $39,960.

C. L. Graves, Davenport Hotel, Seattle, Wash., Item (3) $35,530, 150 days.

W. T. Butler, 527 Central Bldg., Seattle, Wash., Item (1) $69,660, 180 days; alternate, $67,660, 210 days; (2) $9,740, 1 day, alternate, $9,100, 1 day; (3) $34,700, 140 days, alternate, $31,600, 170 days.

J. A. McEachern Co., 552 Coleman Bldg., Seattle, Wash., Item (1) $75,900, 175 days; (2) $11,000, 170 days.

Parker & Wood, Bremerton, Wash., Item (1) $69,788, 180 days; (2) $12,875; (3) $36,433, 150 days.

Miller Bros., 221 Burwell Ave., Bremerton, Wash., Item (1) $70,400, 180 days, (2) $60,100, 166 days; (3) $38,112, 150 days.

C. F. Martin, 205 Seaboard Bldg., Seattle, Wash., Item (1) $60,313, 179 days; (2) $9,913.13, 179 days; (3) $30,213.13, 179 days.

Rounds-Clist Co., Inc., 404 Walker Bldg., Seattle, Wash., Item (1) $72,000, 180 days, (2) $12,400; (3) $37,600, 130 days.

WASHINGTON, D. C.—The following construction work at Army posts has been authorized, and bids will shortly be requested by the constructing quartermaster in charge:

Oahu, H. T., construction of 6 steel hangars at coast defenses of Oahu, H. T.

Presidio of San Francisco, extension to motor transport school.

Benicia Arsenal, repairs to storehouse.

FORT MASON, Cal.—The following bids were received on April 24th, by the Constructing Quartermaster at Fort Mason, for constructing an infirmary, including all utilities, at Benicia Arsenal, Benicia, Calif.:

Sugarman Construction Co., Des Moines, Iowa	$18,000
Fletcher & Warren	21,550
Robert Trost, S. F.	22,989
David Paganini, Vallejo	28,345
Union Constr. Co.	32,450

HALLS AND SOCIETY BUILDINGS

Owner Taking Figures For Brick and Concrete Work.
CLUB BLDG. Cost, $250,000
SAN FRANCISCO. S Post Street W of Mason.
Six-story and basement Class A club building.
Owner—R. S. Browne, 68 Post St., San Francisco.
Lessee—Union League Club, John L. McNab, President.
Architect—T. Paterson Ross, 310 California St., San Francisco.
Steel awarded to The Western Iron Works, 141 Beale St.

Plans Being Prepared.
AUDITORIUM Cost, $1,250,000
LOS ANGELES, Cal. Jefferson and Royal Streets.
Class A steel frame and brick Shrine Auditorium.
Owner—Al Malaikah Temple of Mystic Shrine.
Architects—John C. Austin, Baker-Detwiler Bldg., Los Angeles, A. M Edelman, 724 H W. Hellman Bldg., Associated and G. Albert Lansburgh, 709 Mission St., San Francisco, Consulting Architect.

Commissioned to Prepare Plans.
LODGE BUILDING Cost, $250,000
SANTA ROSA, Sonoma Co., Cal. A St. between 4th and 5th Sts.
Three-story reinforced concrete lodge building.
Owner—Santa Rosa Lodge of Elks.
Architect—Shea & Shea, Chronicle Bldg San Francisco.

Plans to be Prepared.
BUILDING Cost, $1,000,000
SAN FRANCISCO. N Post bet. Powell and Mason Sts.
Seven to ten-story class A store and club building 90-9x137-6 (about 100 hotel rooms, gymnasium, etc.)
Owner—Elks Club.
Architect—Not selected.

VALLEJO, Solano Co., Cal.—Samoset Tribe No. 22, I. O. Redmen, at a recent meeting decided to erect $60,000 lodge hall in business section of the city. A building committee will be appointed in the immediate future.

HOSPITALS

General Contract Awarded.
HOSPITAL BLDGS. Cost, $861,969
PALO ALTO, Santa Clara Co., Cal.
Group of 19 reinforced concrete hospital buildings.
Owner—United States Government.
Plans by Owner.
Contractor—Mahony Bros., Flood Bldg., San Francisco

Contract Awarded.
ALTERATIONS Cost, $12,557
NEAR SAN LEANDRO.
House-moving, underpinning, concrete foundations, etc., and concrete oil tank for the Alameda County Hospital.

Owner—Alameda County, Geo. E. Gross, Clerk.
Architect—H. H. Meyers, Kohl Bldg., San Francisco.
Contractor—E. T. Leiter & Son, Call Bldg., San Francisco.
Other bids received were as follows:
F. W. Maurice, Oakland.....$15,088
Western Constr. Co. 16,010

REDWOOD CITY, San Mateo Co., Cal.—The Board of Supervisors of San Mateo County have awarded a contract to J. F. McGowan Co., 150 A St., San Mateo, at $27,562, for the completing of the steam heating, ventilation, steam boiler plant and refrigeration now being erected at Beresford, in San Mateo County, in accordance with the plans and specifications prepared by Will H. Toepke, architect, 942 Market St., San Francisco.

OAKLAND, Cal.—Until May 22, 10 a. m. bids will be received by Geo. E. Gross, county clerk, to furnish and install certain equipment in Alameda County Hospital, consisting of tables, etc. **See call for bids under official proposal section in this issue.**

OAKLAND, Cal.—As previously reported bids will be received by Geo. E. Gross, county clerk, to construct hollow tile laundry and power house building at county hospital near San Leandro. Henry H. Meyers, Kohl Bldg., San Francisco, architect. **See call for bids under official proposal section in this issue.**

HOTELS

Purchasing Materials.
HOTEL Cost, $150,000
RICHARDSON SPRINGS, near Chico, Butte Co., Cal.
Five-story reinforced concrete hotel and frame cottages.
Owner—Lee Richardson, Premises.
Architect—Clay N. Burnell, 1st Svgs. Bank Bldg., Oakland.
The foundation is now being put in and materials, such as reinforcing and structural steel and cement, are being purchased.
Many of the cottages are near completion. Bids are wanted for painting, plumbing and electrical fixtures.

POWER PLANTS

SEE STATE WATER COMMISSION APPLICATIONS AND PERMITS IN THIS ISSUE.

TO BUILD SUB-STATION

VENICE, Cal.—Southern California Edison Co., W. F. Nordholt, district manager, is planning the erection of a concrete sub-station at Virginia and Venezia Aves., and has applied to city for an amendment to zoning ordinance to designate a ⅝-acre at that point an industrial area.

PUBLIC BUILDINGS

Contract Awarded.
ADDITION Cost, $28,592
PALO ALTO, Santa Clara Co., Cal.
One-story reinforced concrete addition to library.
Owner—City of Palo Alto.
Architect—Birge M. Clark, Palo Alto.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

CHICO, Butte Co., Cal.—Library Trustees, Laura A. Sawyers, secretary, rejects bids to paint and tint interior walls and ceilings of public library and work will be done by day labor.

LOS BANOS, Merced Co., Cal.—Until May 3, 8 P. M., bids will be received by Searcy D. McPhail, city clerk, to remove exterior plastering on Library building and replace with cement plaster on metal lath. Spec. may be had from city clerk.

FRESNO, Fresno Co., Cal.—Architects E. Mathewson & Coates and Architects Glass & Butner of Fresno have been consulted by County Supervisors regarding the relative merits of a wing or a separate building for proposed addition to County Court House to be occupied by forty-five offices now in rented quarters. The building will probably be four-story, 125 ft. frontage. Suggestions will be received from local architects prior to plans being ordered.

CHICO, Butte Co., Cal.—H. D. Sorrell, Chico, at $524, awarded contract by Bidwell Park and Playground Commission, for plumbing work in new bath house at Five Mile dam. Nichols Hardware Co., Chico, bid $644.

VISALIA, Tulare Co., Cal.—Until May 10, 2 P. M., bids will be received by Geo. R. Prestidge, county clerk, to construct one-story comfort station in Mooney Park, Visalia. Plans on file in office of clerk.

RESIDENCES

Segregated Figures Being Taken.
RESIDENCE Cost, $12,000
OAKLAND. Ashlawn Ave.
Two-story frame residence.
Owner—Dr. H. J. Samuels, Dalziel Bldg Oakland.
Architect—A. Merrill Bowser, Hearst Bldg., San Francisco.
Work will be started Monday.

Contract Awarded.
DWELLING Cost, $11,000
BERKELEY. 763 Alvarado Road.
Two-story 7-room frame dwelling.
Owner—Mrs. W. W. Douglas, 2642 Russell St., Berkeley.
Architect—Harris Osborn, Hearst Bldg., San Francisco.
Contractor—Hauri & Wierk, 822 56th St., Oakland.

Preliminary Plans Being Prepared.
RESIDENCE Cost, $15,000
SAN FRANCISCO. St. Francis Wood.
Two-story frame and plaster residence (Italian Style).
Owner—Edw. L. Dial, Kohl Bldg., S. F.
Architect — C. A. Tantau, 251 Kearny St., San Francisco.

Segregated Figures Being Taken.
RESIDENCE Cost, $15,000
OAKLAND. Crocker Oaks.
Two-story and basement frame and stucco residence.
Owner—Irving Magnes, 104 Pala St., Oakland.
Architect—A. Merrill Bowser, Hearst Bldg., San Francisco.
Work will be started Monday.

Contracts Awarded.
RESIDENCE Cost, $15,000
PALO ALTO, Santa Clara Co., Cal. University Avenue.
Two-story and basement frame and plaster 9-room residence and separate garage (Spanish style).
Owner—Geo. M. Perine.
Architect—C. A. Muessdorffer, Humboldt Bank Bldg., San Francisco.
General Contract to D. K. & L. D. Frasier, 180 Jessie St., San Francisco, $16,877.
Plumbing and Gas Fitting to C. A. Christensen & A. C. Anderson, Palo Alto, $1985.

Plans Being Figured.
RESIDENCE Cost, $10,000
WATSONVILLE, Santa Cruz Co., Cal.
One-story frame and plaster residence.
Owner—Dr. George Herbert.
Architect—Geo. E. McCrea, 369 Pine St., San Francisco.
Figures are being taken for a general contract.

Contract Awarded.
RESIDENCES Cost, $15,780
FRESNO, Cal. Rear ½ of Lots 17 to 22 Blk 28.
Two frame and stucco residences.
Owner—Wong Lena and Lee Toy.
Architects — Glass & Butner, Rowell Bldg., Fresno.
Contractor—Fisher & McNulty, Fresno.

Figures to be Taken Next Week.
RESIDENCE Cost, $12,000
CARMEL, Monterey Co., Cal.
Two-story frame residence.
Owner—Herman A. Spoehr.
Architect—Geo. E. McCrea, 369 Pine St., San Francisco.

Plans Completed.
DWELLING Cost, $10,000
SAN FRANCISCO. E Twenty-seventh Ave. 175 N Geary St.
Two-story and basement frame dwlg.
Owner—C. A. Schneider, 62 Lynch St., San Francisco.

Contractor Taking Sub-Figures.
RESIDENCE Cost, $90,000
SANTA BARBARA, Cal.
Two-story hollow tile residence (12 rooms and 5 bathrooms).
Owner—Mrs. K. C. Strong.
Architect—Johnson, Kauffman & Coate, 607 Union Bank Bldg., Los Angeles
Contractor — Snook & Kenyon, Santa Barbara, Calif.

Contract Awarded.
RESIDENCE Cost, $15,000
SAN FRANCISCO. 15th Ave. near Balboa.
Two-story frame and plaster residence.
Owner—Dr. Murphy.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—Elmer Carlson, 180 Jessie St., San Francisco.

Contract Awarded.
RESIDENCES Cost, $3500 each
SAN FRANCISCO. S Flood Ave. 85 to 475 W Forester St.
Fourteen 1-story and basement frame residences.
Owner—Moneta Investment Co., 233 Pacific Bldg., San Francisco.
Architect—None.
Contractor—Jas. Arnott & Son, 235 Granville Ave., San Francisco.

Contract Awarded.
RESIDENCE Cost, $11,705
PIEDMONT, Alameda Co., Cal.
Two-story frame residence.
Owner—M. E. Kibbe, 1805 Fruitvale Oakland.
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., S. F.
Contractor—E. Tranmal, 483 Crescent St., Oakland.

Contract Awarded.
RESIDENCE Cost, $17,386
BERKELEY. Alameda Co., Cal. Claremont District.
Two-story frame and plaster residence.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor — Walter Murch, Federal Realty Bldg., Oakland.

Plans Being Prepared.
RESIDENCE Cost, $12,000
BERKELEY. Tunnel Road.
Two-story frame and plaster residence (8 rooms).
Owner—W. H Farley, 3148 College Ave., Berkeley.
Architect—W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley.

Contract Awarded on Cost-Plus Basis.
RESIDENCE Cost, $20,000
LOS GATOS, Santa Clara Co., Cal.
Two-story frame and plaster residence (11 rooms and separate garage).
Owner—Louis Bruce.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco.

To be Done by Day's work.
DWELLING Cost, $19,500
BERKELEY, Alameda Co., Cal. No. 2931 Avalon Avenue.
Two-story 10-room frame dwelling.
Owner—F. E. Allen, 2718 Regent St., Berkeley.

Owner Taking Figures—To be Done by Day's Work.
ADDITION Cost, $12,000
LOS ALTOS, Santa Clara Co., Cal. Near Los Altos.
Add 1-story to present 1-story frame residence and remodel same.
Owner—H. G. Stelling.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.

Owner Taking Figures.
RESIDENCE Cost, $10,000
SAN JOSE, Santa Clara Co., Cal. Fremont near The Alameda.
One-story frame 8-room residence and garage) hot air furnace and tile roof).
Owner—T. Maderis.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.

Owner Taking Figures—To be Done by Day's Work.
RESIDENCE Cost, $9,000
SAN JOSE, Santa Clara Co., Cal.
One-story frame 6-room residence and garage.
Owner—Guiseppi Aiello, 259 Race St., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.

Plans Being Prepared.
RESIDENCE Cost, $——
SAN JOSE, Santa Clara Co., Cal. Hanchett and Sequoia Aves.
Two-story frame residence 8-rooms (hot air furnace).
Owner—Ralph Wyckoff.
Architect—Wyckoff & White, Growers Bank Bldg., San Jose.
Work will be done by segregated contracts.

Contracts Awarded.
RESIDENCES Cost, $25,000 each
SAN FRANCISCO. E Scott St. 71-4, 108-8 and 142 N Jackson and NE Cor.; SE Pacific Ave. and Scott St., S Pacific Ave 31-6 E Scott St. and N Jackson 32-6 E Scott St.
Seven two-story frame and plaster residences.
Owner—H. O. Trowbridge and W. F. Perkins.
Architect—Alfred H. Jacobs, 110 Sutter St., San Francisco.
Contractor—J. Harold Johnson, 189 Jessie St., San Francisco.

Contract to be Awarded.
RESIDENCE Cost, $8,998
SAN FRANCISCO. S Balboa W 10th Ave.
Two-story frame and plasted residence
Owner—P. J. Halligan.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Creso & Trobock, 180 Jessie St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $6,000
SAN FRANCISCO. Geary Street.
Two-story frame and plaster residence
Owner—P. H. McCarthy.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.

Plans Ready for Figures in About a Week
APARTMENTS Cost, $25,000
SAN FRANCISCO. Twentieth Avenue N Geary Street.
Two-story frame apartment house (4 3-room apts. and 2-story residence)
Owner—Virginia Wilbur.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $——
SAN FRANCISCO. Church between 23rd and 24th
Two-story frame and plaster residence.
Owner—N. E. Sisk.
Architect—H. C. Baumann, 251 Kearny St., San Francisco

Figures to be Taken in Two Weeks.
RESIDENCE Cost, $10,000
SAN JOSE, Santa Clara Co., Cal. The Alameda.
Two-story frame residence and garage (Colonial style, rustic exterior).
Owner—Herbert Jones.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Contract Awarded
RESIDENCE Cost $6,000
SAN FRANCISCO Anza Street bet 44th and 45th Aves

One-story frame and plaster residence.
Owner—Geo. Dublin.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.

Plans Being Prepared—Figures to be Taken in Ten Days.
RESIDENCE Cost, $10,000
PIEDMONT, Alameda Co., Cal.
Two-story frame aand plaster residence and separate garage (8 rooms).
Owner—Christian Holtum, Piedmont.
Architect—J. C. Thayer, Sheldon Bldg., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $8,000
SAN JOSE, Santa Clara Co., Cal. Hanchett Park.
One-story frame residence (Spanish style).
Owner—Dr. A. McMillan.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
SPECIFICATION
Exterior Finish, cement plaster; Floor hardwood; Heating, hot air; Interior Finish, hardwood; Roof, tile.

Plans Being Prepared—Figures to be Taken in Two Weeks.
BUNGALOW Cost, $9,000
HOLLISTER, San Benito Co., Cal. 481 Hawkins Street.
One-story 7-room bungalow with crushed granite roof.
Owner—J. W. Hawkins.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.

SCHOOLS

Working Drawings Being Prepared.
BUILDING Cost, $175,000
PALO ALTO, Santa Clara Co., Cal.
Reinforced concrete dining room building.
Owner—Stanford University.
Architect—Bakewell & Brown, 251 Kearny St., San Francisco.

Working Drawings Being Prepared.
DORMITORY Cost, $300,000
PALO ALTO, Santa Clara Co., Cal.
Two and three-story reinforced concrete dormitory building.
Owner—Stanford University.
Architect—Bakewell & Brown, 251 Kearny St., San Francisco.

Commissioned to Prepare Plans.
SCHOOL Cost, $250,000
PASADENA, Los Angeles Co., Cal. McKinley School Site.
Brick (24 room) school.
Owner—City of Pasadena.
Architect—John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles.

Contracts Awarded.
SCHOOL Cost, $——
OAKLAND, Alameda Co., Cal. University High School Site on Block bounded by Grove, Aileen, Dover and 58th Streets.
Two and three-story reinforced concrete high school.
Owner—City of Oakland.
Architect—Construction Dept. Oakland Board of Education, (C. W. Dickey) Chabot Hall, 11th and Jefferson Sts., Oakland.
All contracts were awarded on the main bid and including alternate No. 2.
General Work, Including Excavation, Concrete, Carpentry, Miscellaneous Iron, Sheet Metal and Built-up Roofing to R. W. Littlefield, 357 12th St., Oakland, $353,800 (including alternates 2 and 4).
Heating to Carl T. Doell, 467 21st St., Oakland, $36,309.
Plumbing to Carl T. Doell, $25,787.
Plastering to T. D. Sexton, 864 Mandana, Oakland, $28,367.
Painting to R. Zelinsky, 180 Jessie St., San Francisco, $14,765.
Electrical Work to M. E. Ryan, Clunie Bldg., San Francisco, $41,274.
Tile Roofing to Gladding-McLean Co., Crocker Bldg., San Francisco, $10,095.
General Equipment to Schnebly & Hostrawser, 601 Jackson St., Oakland, $38,959.

Plans Being Figured—Bids Close May 3, 1922, 11 A. M.
SCHOOL Cost, $20,000
SHAFTER, Kern Co., Cal.
One-story 4-room frame school building and alter present structure.
Owner—Richland School District.
Architect—J. M. Saffell, 924 19th St., Bakersfield, Cal.
Plans may be obtained from the architect.

Contracts Awarded.
SCHOOL Cost, $——
CAMPBELL, Santa Clara Co., Cal.
Certain work for reinforced concrete school.
Owner — Campbell-San Tomas Union Grammar School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Terra Cotta and Mason Work to F. Gardiser, 240 Bellevue St., San Jose, (1) $780; (2) $398; (3) $120.
Fiberstone Flooring to Hoff Magnesite Co., Monadnock Bldg., San Francisco, $479.
Blackboards to Rucker-Fuller Co., 677 Mission St., San Francisco, 985 hollow plate; $698 slate.
Lathing and Plastering to J. McLeod, 1246 Golden Gate Ave., S. F., $19,326
Composition Roofing to Malott & Peterson, 2412 Harrison St., S. F. $2055.
The tile roofing is still under advisement, the lowest bid was submitted by the United Materials Co., S. F., at $6053.

Contracts Awarded.
SCHOOLS. Cost, $160,000
MANTECA, San Joaquin Co., Cal.
Three one-story reinforced concrete and brick school buildings.
Owner — Manteca Union High School District.
Architects — Davis-Heller-Pearce Co., Delta Bldg., Stockton.
General Contract to Brown & Stafford, Madera, $125,295 (Steel lockers to be used).
Mechanical Equipment awarded to Latourrette-Fical Co., 2761 Sacramento Blvd., Sacramento, $34,675.35.

Bonds Voted—To Ask Bids Shortly.
SCHOOL Cost, $50,000
MONMOUTH, Fresno Co., Cal.
One-story frame and stucco elementary school.
Owner—Monroe School District.
Architect—Ernest J. Kump, Rowell Bldg., Fresno, Calif.
The present grammar school building will be converted into a Junior college. A manual training shop and physical education department will be created from the present structures on the grounds.

STOCKTON, San Joaquin Co., Cal.—Until May 17, 7:30 P. M., bids will be received by Board of Education to construct a brick and concrete auditorium for high school. Estimated cost $100,000. Louis S. Stone, Belding Building, Stockton, architect. **See call for bids under official proposal section in this issue.**

MADERA, Madera Co., Cal.—Until May 12, 2.30 P. M., bids will be received by Chas. Welch, clerk, Ripperdan School District, to construct 4-room school. Ernest J. Kump, Rowell Bldg., Fresno, architect. **See call for bids under official proposal section in this this issue.**

Figures to be Taken in About Two Weeks.
SCHOOL Cost, $300,000
REDWOOD CITY, San Mateo Co., Cal. State Highway and Broadway.
Three 1-story reinforced concrete and frame school buildings (main building, auditorium and gymnasium).
Owner—Sequoia Union High School District.
Architects—Carl Werner & A. I. Coffey Humboldt Bank Bldg., San Francisco.

LODI, San Joaquin Co., Cal.—Until May 15, 8 P. M., bids will be received by Lodi Grammar School District to erect a 1-story hollow tile school building. Geo. C. Sellon & Co., Mitau Bldg., Sacramento, architects. **See call for bids under official proposal section in this issue.**

HOPLAND, Mendocino Co., Cal.—Until May 4, 8 P. M., bids will be received by F. H. Sierck, clerk, Hopland School District to construct new concrete school building; Norman R. Coulter, 46 Kearny St., San Francisco, architect. **See call for bids under official proposal section in this issue.**

PORT ANGELES, Wash.—Architect Harold H. Ginnold, Arcade Bldg., has been retained as school architect by School District No. 1 of Port Angeles and will have charge of $100,000 worth of school improvements to be undertaken this summer.

SEATTLE, Wash.—W. T. Butler, Central Bldg., Seattle, at $449,500, low bidder to erect 3-story reinforced concrete and brick "Jas. A. Garfield" school at E 24th Ave. and Jefferson St.; total estimated cost, $750,000. F. A. Naramore, city school architect.

OAKLAND, Cal.—The Oakland Board of Education, received the following bids on April 24th, for the general contract work for the construction of a one-story frame and stucco gymnasium-auditorium building at the Garfield School. All bids were taken under advisement:

Charles L. Trow, 835 38th St., Oakland	$29,000
M. E. Hopper & Son	29,375
A. J. McPhee	29,490
F. W. Maurice	29,566
W. F. Littlefild	29,900
Walter Murch	29,950

CAMPBELL, Santa Clara Co., Cal.—The Board of Trustees of the Campbell-San Tomas Union Grammar School District received the following bids on April 28, for work in connection with the construction of a reinforced concrete school from plans prepared by Architect W. H. Weeks, 369 Pine St., San Francisco. All bids were taken under advisement until Wednesday night:

Terra Cotta and Mason Work

F. Gardiser, 240 Bellevue, San Jose, (1) $780; (2) $398; (3) $120.
Paul Messner, (1) $990; (2) $374; (3) $200.

Fibrestone Flooring

Hoff Magnesite Co.	$479
Malott & Peterson	$598
Fibrestone & Roofing Co.	$600

Blackboards

Rucker-Fuller Co., San Francisco, $985 hollow plate; $698 slate.
C. F. Weber Co., (1) 01360; (2) $1200.

Lathing and Plastering

J. McLeod	$19,320
Chas. Terranova	21,400
Jas. F. Smith	23,000
A. Knowles	24,428

Tile Roofing

United Materials Co., S. F.	$6053
Gladding-McBean Co., S. F.	6124

Composition Roofing

Malott & Peterson, S. F.	$2055
H. C. Brown, Oakland	2093
Johns-Manville Co., S. F.	2255
J. W. Bender	2514

ELK GROVE, Sacramento Co., Cal.—Until May 12, 8 P. M. bids will be received by S. R. Gage, clerk, Elk Grove Union High School District for furnishing new high school building. Spec. may be obtained from clerk at Elk Grove.

SAN FRANCISCO—Board of Public Works authorized by supervisors to prepare plans to construct temporary school buildings in Mission Park on Dolores between 18th and 19th Sts., for use of the Mission High and Humboldt evening high school.

SAN FRANCISCO—Following bids received by Board of Public Works to construct Oral Deaf School, to be erected on the south side of Washington St. between Franklin and Gough:

General Construction

John Morton, Balboa Bldg.	$42,950
Louis J. Cohn	54,387
Anderson & Ringrose	51,000
E. E. Etherton Co.	50,840
P. F. Reilly	47,480
F. J. Reilly	47,938

Electric Work

M. E. Ryan, Clunie Bldg.	$2328
Butte Elec. Equip. Co.	2905
Globe Elec. Works	2995
Standard Elec. Constr. Co.	3244
F. E. Newbery Co.	3300
S. M. Radelfinger	3260
Watts Elec. Co.	2900

Plumbing

J. E. O'Mara, 443 Minna St.	$3455
A. Lettich	3819
O. Aaron	3490

Heating and Ventilating

Atlas Heating and Ventilating Co., 72 Freelon St.	$3495
P. J. Enright	3640
C. Peterson & Co.	3898
A. Lettich	3828
J. E. O'Mara	3990
Scott Co.	3540
Engineering Structure Co.	3975

SAN FRANCISCO—Until May 17, bids will be received by Board of Public Works to erect Pacific Heights School in north side of Jackson street between Webster and Fillmore. Bids are wanted for General construction, estimated cost, $214,000; Metal Furring, Lathing and Plastering and Cast Cement Work, $40,000; Heating and Ventilating, $18,000; Plumbing, $16,000; Electric Work, $12,000. Plans by City Architect John Reid, Jr., and may be had from Bureau of Architecture, 2nd floor City Hall.

LONG BEACH, Cal.—J. C. Bannister, 903 N. Mariposa St., Long Beach, has been awarded the general contract on accepted alternates at $178,830 for erecting the Franklin High School, Long Beach. Other awards were: Hickman Bros., plumbing, $16,086; Frank Davidson, steam heating, $11,345; Baty Elec. Co., wiring, $7894; Alhambra W. P. & P. Co., painting, $8000; Standard Elec. Time Co., program clocks, $2590. John C. Austin, 1129 Baker-Detwiler Bldg., and W. Horace Austin, 222 First National Bank Bldg., Long Beach, Associate, are the architects.

MERIDIAN, Sutter Co., Cal.—The Board of Trustees of the Meridian Grammar School District received the following bids on April 22nd, for the construction of a 1-story brick school with septic tank and drainage system. Plans were prepared by Architect Chester Cole of Chico. The contract was awarded to Jas. L. McLaughlin, 251 Kearny St., San Francisco, on Proposition No. 1, at $25,850. Prop. (1) for brick building; (2) for concrete building; (3) for hollow tile partition; (4) for wood shingle roof instead of composition roof; (5) omitting heating plants and cabinets:

I. C. Evans, Marysville, (1) $27,139; (2) add $7.45; (3) add $750; (4) deduct $102; (5) deduct $900.
Polk & Kerr, Chico, (1) $27,073; (2) $26,380; (3) $27,426; (4) $26,860; (5) $26,193.
J. S. Sampson Co., Inc., S. F., (1) $30,500; (2) $31,000; (3) $31,000; (4) $30,300; (5) $29,700.
White & Shalz, Chico, (1) $27,923; (2) $28,900; (3) deduct $40; (4) deduct $40; (5) deduct $800.
Cobby & Owsley, S. F., (1) $30,770; (2) $30,460; (3) $31,870; (4) $30,870; (5) $29,970.
A. A. Plagge, Oroville, (1) $27,166; (2) $26,788; (3) $28,350; (4) $27,000; (5) $26,575.
Campbell Construction Co., Sacramento, (1) $28,470; (2) add $200; (3) add $350; (4) deduct $225; (5) deduct $800.
J. L. McLaughlin, 251 Kearny St., San Francisco, (1) $25,850; (2) $27,250; (3) add $1250; (4) deduct $100; (5) deduct $850.

MANTECA, San Joaquin Co., Cal.—The Board of Trustees of the Manteca Union High School District received the following bids on April 24th, for the construction of three one-story reinforced concrete and brick school buildings from plans prepared by Architects Davis-Heller-Pearce Co., Delta Bldg., Stockton.

The two lowest bids for the general contract and for the mechanical equipment were taken under advisement.

General Contract

Brown & Stafford, Madera $125,295
(1) $3000; (2) $3500; (3) $1593
Shepherd & Riley, Yosemite Bldg., Stockton, $129,549; (1) $3980; (2) $2365; (3) $1690.
O. H. Chain $131,500
(1) $3000; (2) $3215; (3) $1690.
W. Baysinger, Manteca $131,681.40
(1) $2764; (2) $3475; (3) $1690.
Thornal Egeberg $131,000
(1) $2900; (2) $——; (3) $1767.
R. W. Moller, S. F. $132,930
(1) $1915; (2) $3590; (3) $1090.
L. S. Peletz, Stockton $133,265
(1) $2000; (2) $3400; (3) $1690.

Mechanical Equipment

Latourrette-Fical Co., 2761 Sacramento Blvd., Sacramento $33,000
(1) $150; (2) $1375; (3) $1400; (4) $1500.
E. L. Gaekow, 647 E-Main St., Stockton $40,937
(1) $150; (2) $485; (3) $1300; (4) $1993.
Miller-Hayes Co., Stockton $41,500
(1) $150; (2) $1000; (3) $1200; (4) $—.

SAN FRANCISCO—Board of Education approves plans submitted by City Architect John Reid, Jr., for proposed Andrew Jackson school and additions (annex) to Yerba Buena school. Bids for these projects will be asked by Board of Public Works in the immediate **future.**

STORES AND OFFICES

Contract Awarded.
CONCRETE BUILDING Cost, $19,635.25
OAKLAND. Alameda Co., Cal. Sixteenth near Broadway.
Two-story reinforced concrete building
Owner—F. F. Porter.
Architect — Chas. W. McCall, Central Bldg., Oakland.
Contractors—A. W. Paulson and T. A. Marini, 64 Portola St., San Francisco.

Contract Awarded.
BUILDING Cost, $19,000
SAN FRANCISCO. 450 5th Ave.
Two-story frame dining room and locker rooms.
Owner—Pacific Tel. & Tel. Co., 333 Grant Ave., San Francisco.
Architect—Engineering Dept. of owner, 333 Grant Ave., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco.

Bids Opened.
STORE BUILDING Cost, $——
OAKLAND, Alameda Co., Cal. 17th St. and Broadway.
One-story mezzanine and basement reinforced concrete store building.
Owner—Columbia Outfitting Co.
Architect—Mel. I. Schwartz, Nevada Bank Bldg., San Francisco.
Cress & Trobock, 180 Jessie St., St., San Francisco $20,288
Alfred H. Vogt, S. F. 20,543
Cahill Bros., S. F. 21,100
McIntosh Bros., S. F. 22,500
M. C. Vaughn, Oakland 22,500
— Nordstrom 24,497
Monson Bros., S. F. 25,288
The contract will be awarded to the low bidders.

Sub-contracts Awarded.
AUTO SALES BLDG. Cost, $30,866
OAKLAND, Alameda Co., Cal. Webster Street near 14th Street.
One-story reinforced concrete auto sales building.
Owner—A. & G. Babcock, 240 Grand, Oakland; (Haynes Auto Sales).
Architect—Meyer & Johnson, 742 Market St., San Francisco.
Contractor—R. W. Littlefield, 351 12th St., Oakland.
Sub-contracts have been awarded as follows:
Excavation to J. Catucci, Oakland.
Reinforcing to Badt-Falk Co.
Plumbing to Carl T. Doell, Oakland.
Heating to Carl T. Doell, Oakland.
Electric to King Electrical Co., Oakland.
Millwork to Nation Mill and Lumber Co.

Ironwork to C. H. Herrick (S. S.).
Plastering and Lathing to T. D. Sexton, Oakland.
Glazing to W. P. Fuller.
Tiling to Rigney Tile Co., Oakland.

Contract Awarded.
OFFICE BUILDING Cost, $1,250,000
SAN DIEGO, Cal. 5th and B Sts.
Seven-story class A theatre and office building.
Owner—Richard T. Robinson, Jr., and Robert Blankenship, Los Angeles.
Lessee—Alexander Pantages.
Architect—B. Marcus Priteca, Seattle, Wash.
Contractor—Lange & Bergstrom, Timpkin Bldg., San Diego; also Monadnock Bldg., San Francisco.

Sub-contracts Awarded.
OFFICE BUILDING Cost, $918,500
OAKLAND. 17th and Clay Streets.
Eight-story class A office building.
Owner—Pacific Gas and Electric Co.
Architect—C. W. Dickey, 357 12th St., Oakland.
Engineer—T. Ronneberg, Crocker Bldg San Francisco.
Contractor—R. W. Littlefield, 351 12th St., Oakland.
Sub-contracts have been awarded as follows:
Excavation to J. Catucci, Oakland.
Structural Steel to Judson Mfg. Company, San Francisco.
Terra Cotta to Gladding McBean & Company, San Francisco.
Ornamental Iron to Frauneder Iron ....Works, Oakland.
Marble to Mission Marble Works, S. F.
Elevators to Otis Elevator Co., S. F.
Glazing to W. P. Fuller Co., S. F.
Plumbing to Carl T. Doell, Oakland.
Heating to Carl T. Doell, Oakland.
Electric to King Electrical Co., Oakland.
Millwork to Sunset Lumber Co.
Vault Doors to Herring Marvin-Hall, San Francisco.
Reinforcing to W. S. Wetenhall Co., San Francisco.
Lathing and Plastering to T. D. Sexton, Oakland.

Contract Awarded.
STORE BLDG. Cost, $450,000
LOS ANGELES, Cal. NE Pico and Main Streets.
Six-story and basement Class A store and loft building, 150x200.
Owner—F. W. Braum.
Architect—Myron Hunt, 1107 Hibernian Bldg., Los Angeles.
Contractor — MacDonald & Kahn, 605 Loew State Bldg., Los Angeles.

Contract Awarded.
BUILDING Cost, $15,500
SAN FRANCISCO. N Folsom between 5th and 6th Streets.
One-story reinforced concrete store building.
Owner—Louis R. Lurie.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—J. Martinelli, 180 Jessie St., San Francisco.

Plans Completed.
BUILDING Cost, $30,000
STOCKTON, San Joaquin Co., Cal. California and Oak Streets.
Two-story brick bakery and apartment building 100x75 ft. (1 6-room apartment).
Owner—Otto Kern.
Architect — Davis-Heller-Pearce Co., Delta Bldg., Stockton.

STORE BLDG Cost, $21,000
BERKELEY, Alameda Co., Cal. SW Berkeley Way and Shattuck Ave.
One-story Class C store building (12 stores).
Owner—A. Schleuter, 1314 Washington St., Oakland.
Architects—Hutchinson & Mills, Albany Bldg., Oakland.
Contractor—Edwin C. Graff, 355 12th St., Oakland.

Contractor Taking Sub-figures
BUILDING Cost, $12,000
SAN FRANCISCO. Foot of Hyde St.
Two-story frame and plaster office and waiting room building.
Owner—Golden Gate Ferry Co.
Engineer—Frank White, Ferry Bldg.
Contractor—John Spargo, 240 Montgomery St., San Francisco.

Plans Being Prepared.
OFFICE BLDG. Cost, $1,200,000
OAKLAND, Alameda Co., Cal. 16th St. and Telegraph Ave.
Eighteen-story Class A reinforced concrete and steel frame office building.
Owner—Frank H. Proctor, Norman De Vaux and Arthur Breed.
Architect & Supt. of Constr.—Maury I. Diggs, Easton Bldg., Oakland.
Plans will be completed in about 60 days.

Contract Awarded.
STORE BUILDING Cost, $30,000
SAN FRANCISCO. Stevenson and 5th Streets.
Six-story and basement class B annex to department store building.
Owner—Hale Bros.
Architect—Reid Bros., 105 Montgomery St., San Francisco.
Contractors—MacDonald & Kahn, 130 Montgomery St., San Francisco.

Contract Awarded.
STORE BUILDING Cost, $35,000
SAN FRANCISCO. NE Ocean and Faxon Aves.
Class A theatre and class C store building.
Owner—Samuel H. Levin, 655 Masonic Ave., San Francisco.
Architect—Reid Bros., 105 Montgomery St., San Francisco.
Contractor—G. B. Pasqualette, et. al., 716 Union St., San Francisco.

Plans Being Figured.
OFFICE BUILDING Cost, $——
MODESTO, Stanislauus Co., Cal. H St. near 10th.
One-story brick 42x75 office building.
Owner—Modesto Gas Co., Frank A. Cressey, Jr., president and manager, Modesto.
Architect—Wieland, Mazurette & Wieland, 1002 H St., Modesto.

Plans Being Prepared.
OFFICE BUILDING Cost, $400,000
SAN JOSE, Santa Clara Co., Cal. N 1st St. adjoining Bank of San Jose.
Ten-story class A office building for Commercial Club and Chamber of Commerce.
Owner—Commercial Building Co., (a cptn.)
Architect—Binder & Curtis, 255½ S 1st St., San Jose.
Articles of incorporation have been filed.

Plans Being Prepared.
OFFICE BLDG. Cost, $1,000,000
FRESNO, Fresno Co., Cal. SE J and Tuolumne Streets.
Ten-story Class A office building, 100x150.
Owner—A. Mattei.
Architect — Eugene Mathewson, Cory Bldg., Fresno.

Contract Awarded.
STORE BUILDING Cost, $20,288
OAKLAND, Alameda Co., Cal. W Telegraph Ave. 25 S 17th Street.
One-story mezzanine and basement reinforced concrete store building.
Owner—Columbia Outfitting Co.
Architect—Mel I. Schwartz, Nevada Bank Bldg., San Francisco.
Contractor—Cress & Trobock, 180 Jessie St., San Francisco.

Contract Awarded.
STORES Cost, $12,500
SAN FRANCISCO. NE Clement and 23rd Ave.
One-story reinforced concrete stores.
Owner—E. S. Connolly, 15 Commonwealth Ave., San Francisco.
Architect—John J. Foley, 770 5th Ave., San Farncisco.
Contractor—Barrlit & Hilp, 918 Harrison St., San Francisco.

Plans to be Prepared.
STORES Cost, $12,000
HANFORD, Kings Co., Cal.
One-story brick (2) stores.
Owner—W. C. McFarland, Hanford.
Architect—Not Yet Selected.

Sub-Figures Being Taken—Construction Started
STORES, ETC. Cost, $30,000
STOCKTON, San Joaquin Co., Cal California and Oaks Streets.
Two-story brick bakery and apartment building, 100x75 ft. (1 6-room apartment).
Owner—Otto Kern.
Architect — Contractor—Davis-Heller-Pearce Co., Delta Bldg., Stockton.

Commissioned to Prepare Plans.
OFFICE BLDG. Cost, $1,250,000
Aproximately.
SAN FRANCISCO. SE Market & Beale Streets.
Class A office building, 137-6x137-6. (Height not decided).
Owner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.
Architect—Bakewell & Brown, 251 Kearny St., San Francisco.

Plans Being Prepared.
OFFICE BUILDING Cost, $400,000
OAKLAND, Alameda Co., Cal. NE 19th and Franklin Sts. 125x66.
Eight-story and basement reinforced concrete building to be known as the "Physicians Building."
Owner—Dr. Robert Dunn.
Architect—Willis C. Lowe, 782 Monadnock Bldg., San Francisco.
Contractor—P. A. Palmer, 782 Monadnock Bldg., San Francisco.
The basement will be used as a storage room for the doctors' automobiles and will have a large freight elevator. Construction will be started in about 30 days.

Electrical Contract Awarded.
OFFICE BUILDING Cost, $——
SAN FRANCISCO. SE Sutter and Taylor Streets.
Six-story steel, brick and concrete office building.
Owner—J. S. Morgan.
Architect—M. V. Politeo, First National Bank Bldg., San Francisco.
Electrical Work awarded to The Butte Electric Equipment Co., 530 Folsom St.

LOS ANGELES, Cal.—W. M. Baird, Monrovia; Garfield Jones, Pasadena, and A. B. Jones, Chicago, have secured a 99-year lease on property at the SW corner of Sixth St. and Grand Ave. and will erect a 12-story Class A building at expiration of present leases in 1924. The site is 95x109 feet.

FRESNO, Fresno Co., Cal.—Purchase of the property at the northwest corner of J anl Tuolumne streets will be completed this week by the San Joaquin Light and Power Corp., on which it proposes to erect a 10-story fireproof office building, according to A. Emory Wishon, general manager and purchasing agent for the company. Site is 75 x 150 feet.

THEATRES

Contract Awarded.
THEATRE Cost, $150,000
DINUBA, Tulare Co., Cal North L and Fresno Streets (Strand Theatre).
Three-story brick, concrete and steel theatre, stores and offices or apartments.
Owner—J. F. Williams.
Lessee—Jefferson W. Asher, San Frnacisco.
Architect — Ernest J Kump, Rowell Bldg., Fresno

Contract Awarded.
THEATRE Cost, $150,000
DINUBA, Tulare Co., Cal. North L and Fresno Streets (Strand Theatre).
Three-story brick, concrete and steel theatre, stores and offices or apartments.
Owner—J. F. Williams.
Lessee—Jefferson W. Asher, San Francisco.
Architect — Ernest J. Kump, Rowell Bldg., Fresno.
Contractor—M. Fisher, 687 Mission St., San Francisco.

Plans to be Figured Next Week.
THEATRE Cost, $150,000
WATSONVILLE, Santa Cruz Co., Cal. Main and Maple Aves.
Class A theatre (El Pajaro Theatre).
Owner—Withheld.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.

Official Proposals

A call for bids published in this section indicates that bids are desired from other than local bidders. Maximum competition is desired, and this is assured through BUILDING AND ENGINEERING NEWS which reaches every worth-while contractor and materialman in Central and Northern California who bids on public work.

Rate: 10 cents per line, per insertion.

All official calls for bids of the California State Highway Commission and Nevada State Highway Commission are published in this section.

NOTICE INVITING SEALED PROPOSALS FOR THE CONSTRUCTION OF A HIGH SCHOOL BUILDING AT HOPLAND

NOTICE IS HEREBY GIVEN by the Board of Trustees of the Hopland Union High School District, at Hopland, California, that bids will be received by said Board for the erection and construction of a new High School Build- at Hopland, in said District.

Plans and specifications may be obtained from the Clerk of the Board at Hopland, Mr. F. H. Sierck, or from, the Architect, Norman R. Coulter, at 46 Kearny Street, San Francisco, California. A deposit of Ten ($10.00) Dollars will be required for each set of plans.

All bids will be opened by the said Board of Trustees **on the 4th day of May, 1922, at eight o'clock P. M.,** at the present high school, and all bids must be delivered to Mr. F. H. Sierck, Clerk of said Board, before said hour, enclosed in sealed envelopes and marked on the outside, "Bids for construction of a High School Building at Hopland."

All bids must be accompanied by a certified check, cash or a certificate of deposit, equal to ten per cent of the amount bid; checks or certificates of deposit to be made payable to the Board of Trustees, and to be returned to the party or parties whose bid or bids are not accepted, and to the party whose bid is accepted, upon his entering into a contract with the said School District, and giving such bonds as may be required by law or said Board.

The Board of Trustees reserves the right to reject any and all bids.

F. H. SIERCK,
Clerk of the Board of Trustees of the Hopland Union High School District, Hopland, California.

NOTICE TO CONTRACTORS

(One-story Hollow Tile School, Estimated Cost, $90,000)

Notice is hereby given that sealed bids will be received by the Board of Trustees of the Lodi Grammar School District, Lodi, California, at the office of the Clerk of said Board at the Needham School, located in the town of Lodi, County of San Joaquin, State of California, **until 8 o'clock P. M., Monday, May 15, 1922,** for the erection of a school building to be built in Lodi, California, according to plans and specifications prepared for the same by George C. Sellon & Co., the authorized architects.

Bids will be received for the various branches of the work as follows. For the mason work and carpenter work combined; for the mason work; for the carpenter work; for the plastering; for the painting; for the roofing; for the plumbing; for the heating; for the sheet metal work; and for the electrical work.

Bids will also be received for the mechanical construction (including plumbing, heating, sheet metal and electrical work).

Plans and specifications can be seen at the office of Wm. H. Faust, 110 W. Pine St., at Lodi, California, and may be seen at or obtained from the office of the Architects, 205 Mitau Bldg., Sacramento, California. A cash deposit of $25.00 will be required from all prospective bidders on all copies of plans and specifications loaned out, as a guarantee of the same being returned.

All bids shall be presented on blank forms which may be procured at the office of the Architects. Each bid must be accompanied by a certified check on some responsible California bank for a sum of not less than ten per centum (10%) of the amount of the bid, made payable to Wm. H. Faust, Clerk of the Board of Trustees, as a guarantee of good faith that the party to whom the contract may be awarded will, within ten days after the award is made, enter into the necessary agreement and furnish the necessary bonds for faithful performance of said work, and in case the bidder to whom the contract is awarded fails or refuses to enter into said agreement, or to furnish said bonds, said check will be forfeited to the said School District in the manner provided by law. Each bid must be enclosed in a sealed envelope and addressed to Wm. H. Faust, Clerk of the Board of Trustees of Lodi, Grammar School, Lodi, California, and endorsed "Proposal for building school."

The Board of Trustees expressly reserves the right to reject any or all bids.

By order of the Board of Trustees of Lodi Grammar School District, Lodi, San Joaquin County, California.

JOHN C. KELLER,
GEORGE A. KEAGLE,
WM. H. FAUST,
Trustees.

NOTICE TO CONTRACTORS

(Two One-story Hollow Tile Structures Estimated Cost, $60,000)

Office of the Clerk of the Board of Supervisors, Alameda County, Calif.

Sealed bids will be received by the Clerk of the Board of Supervisors of Alameda County, at his office, **until Monday, May 15th, 1922, at 10 o'clock A. M.** (the day when said bids will be opened and the contract awarded) for the construction of a power house and laundry building, together with a gate lodge and two silos at the farm site in Alameda County Hospital near San Leandro, Alameda County, California.

Plans and specifications on file in the office of the County Clerk in the Hall of Records Building in Oakland, where copies may be obtained by depositing Twenty-five Dollars. Contractors will be restricted as to the length of time these plans and specifications may be retained to ten days. Contractors failing to return said plans, etc., within said time limit, will forfeit their deposit.

Each bid must be accompanied by a check for at least ten per cent of the amount of the bid or proposal, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board, to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or to give the bond required by the Board for the faithful performance of the contract.

(SEAL) GEO. E. GROSS,
Clerk of the Board of Supervisors of the County of Alameda.

NOTICE TO BIDDERS

(50,000 to 100,000 bbls. Cement)

Turlock Irrigation District and Modesto Irrigation District, Stanislaus and Merced Counties, California

Joint Storage Works

Sealed proposals will be received at the office of the Turlock Irrigation District, at Turlock, California, **until Tuesday, May 16, 1922, at 10 o'clock A. M.,** for furnishing and delivering from fifty thousand (50,000) barrels to one hundred thousand (100,000) barrels of Portland cement, f. o. b. cars factory. The cement must meet the standard specifications for cement adopted by the American Society for Testing Materials and must be delivered on a schedule provided by the districts. Delivery to be made at the rate of about four cars daily during July, August, September and October, 1922.

The contract will be let to the lowest responsible bidder, but the Boards reserve the right to reject any or all bids.

Each proposal must be accompanied by a certified check for five (5) per cent of the amount of the bid, payable to the order of the Treasurer of the Turlock Irrigation District, for the benefit of said Districts as a guaranty that the bidders will, if successful, execute a satisfactory contract and furnish a bond in the sum of not less than twenty-five (25) per cent of the amount of his bid to be subject to the approval of said Boards.

The proposals must be marked "Proposals for Materials for Don Pedro Storage Project" and addressed "Turlock Irrigation District, Turlock, California."

Done in pursuance of orders of the Boards of Directors of the Turlock Irrigation District, this 18th day of April, 1922.

ANNA SORENSEN,
Secretary, Turlock Irrigation District.
C. S. ABBOTT,
Secretary, Modesto Irrigation District.

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on May 22, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Alameda County, between Easterly Boundary and Greenville (IV-Ala-5-A), about ten (10.0) miles in length, to be paved with Portland cement concrete shoulders and an asphalt concrete wearing surface.

Tulare County, between Three Rivers and Sequoia National Park (VI-Tul-10-F), about five and eight tenths (5.8) miles in length, to be graded.

Kern County, between Junction Pumping Station and Hart (VI-Ker-33-B), about seventeen and two-tenths (17.2) miles in length, to be paved with bituminized macadam.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated April 24, 1922.

CALL FOR BIDS FOR CONSTRUCTION OF TENNIS COURTS

HILLSBOROUGH SCHOOL DISTRICT

Hillsborough, California

By resolution of the Board of Trustees of Hillsborough School District, bids are invited for the supplying of all materials and labor in and about the construction of one or two tennis courts on the lot of Hillsborough, District School, Hillsborough, San Mateo County, California.

All bids shall be submitted in sealed envelopes addressed to Thomas H. Breeze, Clerk of Hillsborough School District, 433 California Street, San Francisco, California, **on or before the 8th day of May, 1922, at the hour of ten A. M.**, that being the time and place for opening such bids.

Plans and specifications may be seen at the office of W. C. Hammatt, Civil Engineer, Hearst Building, San Francisco, and at the office of the Clerk.

By order of the Board of Trustees of Hillsborough School District.

Dated this 22nd day of April, 1922.

THOMAS H. BREEZE, Clerk,
433 California St., San Francisco.

NOTICE ADVERTISING FOR BIDS FOR FURNISHING PIPE

Notice is hereby given by the undersigned that the Board of Trustees of the City of Burlingame will receive **up to 5 P. M., Monday, April 24th, 1922,** at office of City Clerk, City of Burlingame, sealed bids for the following materials:

1900 feet of 6-inch cast iron Class B pipe; 6600 feet 4-inch cast iron Class B pipe, f. o. b. Burlingame.

The Board reserves the right to reject any and all bids.

A check amounting to ten per cent of the amount bid shall accompany the bid or a bond or certified check.

J. E. MURPHY, City Clerk.

Dated April 21st, 1922.

BIDS WANTED FOR REINFORCED CONCRETE BRIDGE

(Estimated Cost, $95,000)

COUNTY OF RIVERSIDE

NOTICE TO CONTRACTORS

SEALED PROPOSALS addressed to the Board of Supervisors of the County of Riverside, and endorsed "Proposals for constructing a reinforced concrete arch bridge across the Santa Ana River, and known as RUBIDOUX BRIDGE," will be received by the Board of Supervisors at their office in the County Court House, Riverside, Calif., **until 10.00 o'clock A. M., of the 15th day of May, 1922,** and at that time and place will be publicly opened and read.

All proposals must be made upon blank forms to be obtained of the County Surveyor, Mr. A. C. Fulmor, at his office, in the County Court House, Riverside, California, must give the prices proposed, both in writing and figures, and must be signed by the bidder, with his address.

Accompanying each proposal shall be a statement showing the kind and amount of equipment it is proposed to use, the method of handling the work, and the time the bidder expects to complete the work.

Each bid is to be presented under sealed cover and shall be accompanied by cash, a bidder's bond made payable to the County of Riverside, or a certified check made payable to the County Surveyor, Mr. A. C. Fulmor, for an amount equal to at least five per cent of the amount of said bid, and no bid shall be considered unless such cash, check or bond is enclosed therewith. Such bidder's bond shall be so conditioned that if said bid be accepted, the party bidding will duly enter into and execute the contract. Should the successful bidder to whom the contract is awarded fail to execute the same, such cash, bond or check shall be forfeited to the County of Riverside, and the same shall be the property of the County of Riverside. All other cash, bonds and certified checks will be returned to the unsuccessful bidders who submitted the same.

A common-law bond will be required for the faithful performance of the contract in the sum of twenty-five per cent of the amount of the contract; and a further bond in a sum equal to fifty per cent of the amount of the contract must be furnished as required by the terms of an act, entitled "An Act to secure the payment of the claims of materialmen, mechanics, or laborers employed by contractors upon state, municipal and other public works," approved March 27th, 1897, and acts amendatory thereof.

The contractor to whom the contract may be awarded will be required to appear at the office of the County Surveyor with the sureties offered by him, and execute the contract within five days (not including Sunday) from the date of the notification of such award and the preparation and readiness for signature of the contract; and in case of failure or neglect so to do he will be considered as having abandoned it, and said forfeiture of said bidder's bond, cash or check will operate.

The bidder in making his bid shall include in his bid any sum to cover royalties on patents or any processes or materials prescribed in the specifications of work and materials or plans for which his bid is made.

Plans and forms of specifications and contract may be obtained at the office of Mr. A. C. Fulmor, County Surveyor, County Court House, Riverside, Calif., upon application therefor, accompanied by a payment of Twenty Dollars deposit, which said deposit will be refunded upon return of said plans and forms of specifications and contract, in good condition, to the above mentioned Mr. A. C. Fulmor, County Surveyor.

The right is reserved to reject any and all proposals, or to accept the proposals deemed best for the County of Riverside.

The contract is subject to the approval of the Board of Supervisors and the District Attorney of the County of Riverside.

By order of the Board of Supervisors and the District Attorney of the County of Riverside.

By order of the Board of Supervisors this 17th day of April, 1922.

C. D. HAMILTON, Chairman.
Attest: D. G. Clayton, Clerk of the Board of Supervisors of said County of Riverside.
By Wm. Louis Carlson, Deputy Clerk.

NOTICE TO BIDDERS ON HIGH SCHOOL AUDITORIUM

A brick and cement structure. Estimated cost $80,000.)

Notice to bidders is hereby given that bids on the High School Auditorium as per plans and specifications on file at the office of the architect, Louis S. Stone, room 402 Belding Building, Stockton, Calif., will be opened **on Wednesday, May 17th, 1922, at 7.30 P. M.**, at the office of the High School Board, corner San Joaquin and Lindsay streets.

A deposit of $25 will be required for plans taken from architect's office.

The High School Board reserves the right to reject any or all bids.

A certified check of ten per cent of the amount bids must accompany said bid.

Dated Stockton, Calif., April 27, 1922.
By order of the High School Board
By ANSEL S. WILLIAMS, Clerk.

(Two-story Brick Structure. Estimated Cost, $109,600)

NOTICE TO CONTRACTORS

Office of the Secretary of the Board of Education of the City of Oakland.

Sealed bids will be received by the Board of Education of the City of Oakland, City Hall, Oakland, California, **until Thursday, the 1st day of June, 1922, at 4:30 P. M.**, at which time said bids will be opened, for the erection and completion of a new building for the Elmhurst School, of the Oakland School District and Oakland High School District of Alameda County, State of California, located on the Southerly corner of Birch Street and 98th Avenue, Oakland, California.

Separate bids will be received for:

1. General work, including Excavating, Concrete, Carpentry, Miscellaneous Iron, Sheet Metal, Painting and Built-up Roofing.
2. Brickwork.
3. Lathing and Plastering.
4. Plumbing.
5. Heating and Ventilating.
6. Electrical Work.

Plans and specifications for said work are on file at the office of the Architect for the Board of Education, 2149 Broadway, Oakland, California.

On a deposit of Twenty-five ($25) Dollars, said plans and specifications may be had by any prospective bidder for one of the branches of the work above listed. These plans and specifications may be retained as follows:

1. General Work, ten (10) days.
2. Brick work three (3) days.
3. Lathing and Plastering, three (3) days.
4. Painting, three (3) days.
5. Plumbing, five (5) days.
6. Heating and Ventilating, five (5) days.
7. Electrical Work, five (5) days.

If the plans and specifications are not returned to the Architect within the time above specified, or are returned in a mutilated or damaged condition, the deposit will be forfeited and will be immediately used for the purchase of a new set of blue prints and specifications.

Bids must be made on proposals obtained at the office of the Architect, and be signed by the bidder, accompanied by a certified check, certified to by some responsible bank or banker, and made payable to John W. Edgemond, Secretary of the Board of Education, to be retained by the said School Districts as agreed and liquidated damages should the party or parties to whom the contract should be awarded fail to enter into the contract after the award, or to give bonds required for the faithful performance of the contract, or any bond required by law. The amount of said check shall not exceed Five Thousand ($5,000) Dollars, but for all bids of less than Fifty Thousand ($50,000) Dollars said check shall be for at least ten (10%) per cent of the amount of the bid. Each bid shall be accompanied by an affidavit executed on a form that can be obtained from the Architect.

Bids will be opened by the Board of said Districts on Thursday, the 1st day of June, 1922, at the hour of 4.30 P. M., in the Board Room, 211 Second Floor of said City Hall, in said City of Oakland. The Board reserves the right to reject any and all bids or any or all items of such bids.

JOHN W. EDGEMOND,
Secretary of the Board of Education of Oakland, California.

NOTICE TO CONTRACTORS

(Hospital Equipment)

Office of the Clerk of the Board of Supervisors, Alameda County, Calif.

Sealed bids will be received by the Board of Supervisors of Alameda County, at his office, **until Monday, May 22, 1922, at 10 o'clock A. M.** (the day when said bids will be opened and the contract awarded) for the purchase of certain equipment consisting of tables for use at the Alameda County Hospital, near San Leandro, Alameda County, California. Specifications on file in the office of the purchasing agent in the Hall of Records Building, at Fifth and Broadway streets, Oakland, where copies may be obtained. The board reserves the right to reject any and all bids.

Each bid must be accompanied by a check for at least ten per cent of

the amount of the bid or proposal, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board, to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or to give the bond required by the Board for the faithful performance of the contract.

(SEAL) GEO. E. GROSS,
Clerk of the Board of Supervisors of the County of Alameda.
Dated: April 24, 1922.

BIDS WANTED FOR SCHOOL

(Ripperdan School)

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN That the Board of Trustees of the Ripperdan School District, of the County of Madera, State of California, will receive sealed bids for the furnishing of all labor and materials necessary in the erection and completion of a four-room school building including works, and the moving of present school building, according to plans and specifications prepared for same by the Ernest J. Kump Co., Architects, Job No. 903, of the City of Fresno, and in strict accordance with the Bids and Alternate Bids asked for in specifications.

Said sealed Bids will be received **up to and including 2.30 P. M., of the 12th day of May, 1922,** by the undersigned Clerk of the Board at the offices of the County Supt. of Schools, Court House, Madera, Madera County, State of California.

Said sealed bids must be accompanied by a Certified check in a sum equal to at least 10 per cent (ten percentum) of the amount of bid to do the work mentioned, and made payable to the undersigned clerk of the Board, as a guarantee that the bidder will execute proper contracts and bonds in case the Contract is awarded to him by reason of his bid.

Plans and specifications are on file at the offices of the undersigned Clerk of the Board and additional copies may be obtained at the offices of the Architects.

All bids to be made out on blank forms furnished by Architects.

The successful bidder will have to give a satisfactory bond in sum of 50 per cent, covering labor and materials and an additional 10 per cent bond for faithful performance, as fully set forth in specifications.

The Board of Trustees of the Ripperdan School District, as owners, reserve the right to reject any or all bids or alternate bids, or any part or parts of any bids or alternates received, and reject the balance thereof; and to waive any informality in any bids or alternates received.

All bids to be addressed to Chas. Welch, Clerk of Board of Trustees of the Ripperdan School District, care of County Supt. of Schools, Court House, Madera, California.

By order of said Board of Trustees.
CHARLES WELCH, Clerk.
Date of publications: Thursday, April 27th to May 12th inclusive.

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **The California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on May 8, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Solano County, between Fairfield and Vacaville (III-Sol-7-C), about eight and nine-tenths (8.9) miles in length, to be surfaced with asphalt concrete.

San Luis Obispo and Santa Barbara Counties, across Cuyama River (V-SLO-SB-57-A), a bridge consisting of one 200 foot steel truss span, and five 30 foot reinforced concrete girder approach spans, with the necessary pier, abutments and bents.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.
Dated April 10, 1922.

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Board of Trustees of the Parlier School District for the construction of a two-story school building, **up to but not later than four o'clock P. M., on the 10th day of May, 1922,** at the public school building in the Town of Parlier, California.

The work to be done in accordance with the plans and specifications prepared by Swartz & Ryland, the authorized Architects employed by the said Board, and under their direction as construction Superintendents.

Proposals will be received on the work according to the segregation noted in the specifications. Each proposal shall be made on a proposal blank to be obtained from the Architects, and to be signed by the Bidder, and must be accompanied by a certified check, or bidders' bond, in the amount of ten (10%) per cent of the total amount bid, made payable to Mrs. L. M. Say, Clerk of the said Board to be retained by the said School District as liquidated damages should the party or parties to whom the contract has been awarded fail to enter into contract within ten days after the award, or to give bond in the amount of fifty (50%) per cent of the amount of the contract required for the faithful performance of the contract.

Plans and specifications may be obtained from the office of Swartz & Ryland, Architects and Engineers, Room 624 Rowell Building, Fresno, California, on a cash deposit of Ten Dollars as a guarantee that the plans will be returned in good condition at the expiration of the time loaned for estimating purposes.

The Board of Trustees reserves the right to reject any and all bids.

(Signed) J. B. PARLIER,
MRS. L. M. SAY,
E. J. MONCRIEF,
Board of Trustees, Parlier School Dis-

CALIFORNIA STATE CIVIL SERVICE COMMISSION TO HOLD EXAMINATIONS

The California State Civil Service Commission announces that examinations for thirty-five engineering positions will be held during the year 1922. Persons desiring to take examinations may secure the necessary applications from the Commission offices, 311 Forum Bldg., Sacramento, or Room 1007, Hall of Records Bldg., Los Angeles, or from the State Free Employment Bureaus, located in San Francisco, Oakland, San Jose, Stockton and Fresno.

Complete details regarding the examinations to be held are on file in office of DAILY PACIFIC BUILDER, and may be seen by interested parties.

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Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SEE STATE WATER COMMISSION APPLICATIONS AND PERMITS IN THIS ISSUE.

OLYMPIA, Wash.—Until May 16, 10 A. M., bids will be received by State Highway Commission to construct steel swing draw bridge on Ocean Beach Highway at Raymond, Wash., in Pacific county.

WOODLAND, Yolo Co., Cal.—Until May 9, 2 P. M., bids will be received by H. R. Saunders, county clerk, to construct reinforced concrete bridge over Willow slough at Childs crossing on Harlan road. Plans on file in office of clerk.

RIVERSIDE, Cal.—Until 10 A. M., May 15, bids will be received by Board of Supervisors for constructing reinforced concrete arch bridge across Santa Ana river, known as "Rubidoux Bridge." It will consist of seven 72-ft. spans with towers at either end. Est. cost, $95,000. Plans, forms of spec. and contract may be obtained from A. C. Fulmor, county surveyor, on deposit of $20. Certified check or bond for 5%. The bridge was designed by Houghton & Bonte, engineers, Balfour Bldg., San Francisco. **See call for bids under official proposal section in this issue.**

RIVERSIDE, Cal.—Until 10 a. m. May 15, bids will be received by supervisors to construct pile trestle bridge 342 ft. long over storm drain at Bell crossing on the Thermal-Mecca road; also for constructing pile trestle bridge 45 ft. long over 26th Ave. drain canal on Neighbors Blvd., south of town of Ripley. Plans and specifications may be obtained from County Surveyor A. C. Fulmor. Cert chk. for 5 per cent D. G. Clayton, clerk of board.

EUREKA, Humboldt Co., Cal.—Engineer John B. Leonard, 57 Post street San Francisco, is preparing plans for two reinforced concrete bridges to be erected over Van Duzen river in Humboldt County; approximate cost, $90,000. A. J. Logan County Surveyor.

SEATTLE, Wash.—Until June 3 10 A. M., bids will be received by C. E. Bagley Secretary, Board of Public Works County City Bldg., to construct sub-structure of steel bascule bridge and two side spans over the West Waterway at West Spokane St. The structure will comprise a double leaf bascule span, 288 ft. center to center of trunnions and two approach spans each about 110 ft. long. The width of the bascule span will be 15 ft. center to center of trusses and of the side span, [illegible] ft. center to center of trusses. Surety bond of $195,000 required of successful bidder. Deposit of $5 required for plans.

IRRIGATION PROJECTS

SEE STATE WATER COMMISSION APPLICATIONS AND PERMITS IN THIS ISSUE.

MODESTO, Stanislaus Co., Cal.—Until May 16, 10 A. M., bids will be received by Modesto and Turlock Irrigation Districts, acting jointly, for furnishing and delivering from 50,000 to 100,000 barrels of cement f. o. b. cars factory. **See call for bids under official proposal section in this issue.**

SUMMER LAKE, Ore.—Until May 8, 10 A. M., bids will be received by Geo. H. Detwiler, secretary Summer Lake Irrigation District, for construction of the main canals of district between the diversion dam on the Ana river and the north end of Partin Lake, a total length of about five miles. The total yardage involved will be approximately 16,000 cubic yards.

ROSEVILLE, Placer Co., Cal.—Report of A. J. Cleary, Chas. W. Landis, and Jerome R. Doolan, engineers of San Francisco, s how t hat 40,000 a cres of lands lying west of S. P. R. R. and extending south from Lincoln, on the north to Antelope, on the south, can be irrigated at a cost not to exceed $45 an acre, according to Richard P. Doolan, land owner in the proposed district. Construction work will include the construction of a 13,000-ft. canal from the river to Orangevale Hill, beneath which a 6,000-ft. will b e driven, the water then dropped to a reservoir southeast of Roseville.

LIGHTING SYSTEMS

OAKLAND, Cal.—D'Arcy Ryan, lighting engineer, has prepared data at the request of the Uptown Association, for a lighting system in San Pablo and Telegraph Aves. and Broadway; electroller proposed is a combined trolley and light pole with two arc lamps of 1500 candlepower each.

SAN LEANDRO, Alameda Co., Cal.—M. A. Lopez, 362 San Joaquin St., San Leandro, at $1149, awarded contract by city trustees to install 13 Marbelite standards. R. H. Goodwin, city engineer.

PASADENA, Cal.—W. A. McNally Co., 106 W Colorado St., Pasadena, awarded contract by city directors at $20,222, for constructing underground electric conduits, ducts and laterals in Grand Ave. and portions of other streets.

PASADENA, Cal.—Until 10 A. M., May 3, bids will be received by city clerk Bessie Chamberlain, for constructing conduits in El Molino St. between California and Fillmore Sts., 2 blocks. Certified check 10% required. E. P. Dewey, city engineer.

PASADENA, Cal.—Council declares intention to construct ornamental lighting system with 51 reinforced concrete posts in Grand Ave., Del Rosa Drive, Maglin, Ellis, Arbor, Lockhaven, Palmetto and California Sts., approximately 6 blocks; to construct and install complete ornamental lighting system, including 22 posts, conduits, etc., in El Molino St. between California and Fillmore Sts., 2 blocks. E. P. Dewey, city engineer.

ORANGE, Cal.—Trustees declare intention for lighting system of 15 reinforced concrete posts, conduits, wires, etc., on both sides of N Pine St. between E Chapman and E Palm Aves.; 1911 Act. C. C Bonebraker, city engineer.

SAN DIEGO, Cal.—Nepage, McKenny Co., 589 Howard St., San Francisco, at $34,100, submitted low bid to bureau of yards and docks, for an electric lighting system at the U. S. naval base, San Diego.

FULLERTON, Cal.—Trustees declare intention to construct ornamental light system on E Union Ave., and portions of seven other streets; 1911 Act and 1915 Bond Act. Ben F. Depuy, city engineer.

SAN BERNARDINO, Cal.—Council orders plans for ornamental lights on E St. between Mill and 3rd Sts. Other ornamental light proceedings under way are: F St. between Rialto and 5th Sts., Arrowhead Ave. between 3rd St. and Highland Ave., and 17th St., which includes center parking and paving.

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MACHINERY

SEE STATE WATER COMMISSION APPLICATIONS AND PERMITS IN THIS ISSUE.

LOS ANGELES, Cal.—H. Mueller Mfg Co., Decatur, Ill., awarded contract by public service commission for furnishing following supplies f. o. b. 2nd and Rose Sts.: (1) 2400 ½-in. curb cocks at 25.5c each; (2) 4500 ⅝-in. curb cocks at 38.5c each; (3) 1600 1-in. curb cocks at 77c each; (4) 2000 ½-in. flanged corporation cocks at 39.5c each; (5) 4500 ⅝-in. flanged corp. cocks at 68.5c each; (6) 400 1-in. flanged corp. cocks at 99c each; (7) 2000 ½-in. flanged unions at 16.25c each; (8) 4500 ¾-in. flanged unions at 24c each; (9) 500 1-in. flanged unions at 37.75c each; delivery not stated.

LOS ANGELES, Cal.—Until 11 A. M., May 1, bids will be received by supervisors for furnishing County Flood Control District, 8000 piling treated with creosote, and 8000 untreated piling.

STOCKTON, San Joaquin Co., Cal.—Holt Mfg. Co., Stockton, awarded contract by Western States Gas and Electric Co., Samuel Kahn, general manager, for machinery to be used in Amador, Alpine and El Dorado counties in the development of the Twin Lakes Storage project. The contract runs in the neighborhood of $60,000.

LOS ANGELES, Cal.—Until 3 P. M., May 12, bids will be received by public service commission, 207 S Broadway, for lead covered cables and accessories. Spec. No. P-270. Jas. P. Vroman, secretary.

NEWPORT BEACH, Cal.—J. H. Mefford, Santa Ana, awarded contract at $9728.90, for drilling an 18-in. well at city's pumping plant site. R. W. Elliott, Garden Grove, bid $2818.90.

LOS ANGELES, Cal.—Until 3 P. M., May 19, bids will be received by public service commission, 207 S Broadway, for synchronous condenser installation. Spec. No. P-261. Jas. P Vroman, secretary

SAN DIEGO, Cal.—City council has authorized Purchasing Agent E. D. Williams to expend $1800 for the purchase in the open market of 28,500 ft. standard screw pipe for the water department.

LOS ANGELES, Cal.—E. P. Bosbyshell, 127 N Los Angeles St., submitted low bid to purchasing department of city, at $350, for furnishing dump wagon. Other bids were: B. Hayman Co., Inc., $369.50; Dixon & Griswold, $375; Austin-Western Road Machinery Co., $415.

Fairbanks, Morse & Co., 427 E 3rd St., were only bidders for furnishing one auto truck scale. Their bid was: $630 one 15-ton as specified; $800 with springless dial; $756 one 20-ton as specified, $920 with springless dial.

Byron Jackson Iron Works, 305, E 3rd St., submitted only bid at $772.50, for one centrifugal pump with gas engine.

LOS ANGELES, Cal.—Bids received by Public Service Commission for (1) 8000 pieces 4-in. B. bell and spigot, cast iron water pipe, and (2) 4000 pieces 6-in. 12-ft. lengths were: Cast Iron Pipe & Foundry Co.—(1) $50.80 ton; (2) $46.80 ton (5 meter lengths, $17.80 ton. Delivery on cars at Enterprise St. yard. Pacific Pipe & Supply Co.—(1) $52.10 per 100 ft.; (2) $48.10 per 100 ft.; delivery one-half in May, balance in June. American Cast Iron Pipe Co.—(1) $52.35 ton; (2) $48.35 ton; 16-ft. lengths, $1 per ton extra, f o. b., Enterprise St. yard, delivery in May.

SAN FRANCISCO—Until May 1, 11 A. M., under Order No. 3680/S. P. 5, bids will be received by U. S. Engineer Office, 240 Montgomery St., for and delivering wharf, Rio Vista, Solano county: miscellaneous castings, pipe, etc. Spec. will be furnished on request.

BRAWLEY, Cal.—Trustees authorize purchase chlorination plant costing $1500.

BAKERSFIELD, Kern Co., Cal.—Di Giorgio Farms Co. will erect precooling plant, costing $1,500,000; 528x528 ft., near Edison, SE of Bakersfield. Other plans of the company involving expenditure of $4,000,000, include intensive cultivation of 3400 acres grapes, melons, etc., construction of 7 miles of railroad. Joseph Di Giorgio, president and Chas. Rayburn, superintendent.

RAILROADS

SAN FRANCISCO—Continental Construction Co., Detwiler Bldg., Los Angeles, at $8278, awarded contract by Board of Public Works to erect trolley poles and electrical conductors for Taraval street extension of Municipal railway; Contract 131.

FRESNO, Fresno Co., Cal.—Construction of several extensions to the street car lines of the Fresno Traction Company are contemplated, according to O. L. Everts, attorney for the company.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

STEGE, Contra Costa Co., Cal.—Until May 5, 8 P. M., bids will be received by Fred Lutz, Secretary Stege Sanitary District, with offices in San Pablo Ave., opposite El Cerrito postoffice, to construct 394 ft. sewer, 1 manhole and lamphole in Central St. between Clayton and the Key Route reserve—also to construct 1100 ft. of sewer, 3 manholes and 1 lamphole in Donald St. between Richmond St. and Key Route reserve, and 350 ft. sewer, 1 manhole and lamphole in Stockton St. between Albermarble and Olive streets. Plans may be had from secretary.

WOODLAND, Yolo Co., Cal.—Until May 9, 2 P. M., blds will be received by H. R. Saunders, county clerk, to construct macadam road from south end of concrete road in Reclamation Dist. No. 900, through Districts Nos. 765 and 999, to Headquarters in 999.

Separate bids, same date, to construct macadam road from Mound Bridge at Knights Landing, through Dist. No. 787 to Eldorado road. Plans on file in office of clerk.

UKIAH, Mendocino Co., Cal.—Until May 9, 10 A. M., bids will be received by Hale Prather, county clerk, to construct Willits South Side road, involving 525 cu. yds. excavation; 4418 cu. yds. borrow; 96 lin. ft. 12-in., 40 lin. ft. 30-in. and 56 lin. ft. 36-in. corrugated iron pipe culvert; 11.85 cu. yds. concrete in headwalls and 2410.66 ft. B. M. lumber in wood culverts. County will furnish corrugated iron pipe culverts and lumber. E. H. Smith, county surveyor.

TRACY, San Joaquin Co., Cal.—Trustees, Geo. L. Frerichs, city clerk, declares intention to improve portions of North D, Sixth and East Sixth st., by grading, const. conc. curbs and paving with 5½-in. conc. base with 1½-in. natural bitumen top, catchbasins, water and sewer connections, sewer extensions, manholes, etc., Imp. Act 1911 and Bond Act 1915. Protests May 4. W. D. Harrington, city engineer.

AVALON, Catalina Island—C. E. Garrettson, 508 N Comstock Ave., Whittier, awarded contract at about $20,000 for laying extensions of water mains for city. Water Works Supply Co. awarded contract for furnishing cast iron pipe.

ASTORIA, Ore.—McClean and Williams, Astoria, at $243,482, awarded contract by city water commission, to construct main conduit of water system leading from the headworks at Bear Creek to the city reservoirs. Will be 1¼-in. electric arc welded steel pipe with Dresser couplings.

VENICE, Cal.—The City Water Co., G. M. Jones, president, is planning to expend approximately $20,000 for new water mains and laterals to increase supply and pressure in business district.

SUSANVILLE, Lassen Co., Cal.—B. P. Lyons, retained as engineer for Milwood Sanitary District, recently organized.

PENDLETON, Ore.—Until May 24, 7.30 P. M., bids will be received by Thos. Fitzgerald, city recorder, to construct sewage disposal plant, consisting of:

(a) Construction of a 27-in. outfall sewer connecting present sewer with proposed septic tank and consisting of 2060 lin. ft. of 27-in. vit. tile or conc. pipe, one junction manhole and two standard manholes.

(b) Construction of septic tank complete with inlet screen chamber and outlet manhole, sludge bed, by-passes and drains.

(c) Construction of 2700 lin. ft. of earth dike with the side toward the water rip-rapped, and with 2 to 1 side slopes.

(d) Construction of filter bed complete with dosing tank, four 14-in. alternating sewage siphons, distributing trough and 280 lin. ft. of 27-in. vit tile or concrete inflow pipe from the septic tank to the dosing tank. Baar and Cunningham, 414 Spalding Bldg., Portland, engineers.

VISALIA, Tulare Co., Cal.—Until May 2, 10 A. M., bids will be received by Geo. R. Prestidge, county clerk, for furnishing and delivering 7500 bbls. Portland cement.

SAN BERNARDINO, Cal.—City council has ordered advertising for construction of sewers in Rialto Ave. and Allen St. and in 9th and 11th Sts.

PETALUMA, Sonoma Co., Cal.—Council, Lyman Green, city clerk, declares intention to improve Edith St. between Washington and Madison; Madison between Edith and Vallejo, and Vallejo between Madison and point 300 ft. northwest, by grading, concrete curbs and gutters and macadamizing with rock and oil, corrugated culverts, etc. Imp. Act 1911. N. S. Frost, city engineer.

BERKELEY, Alameda Co., Cal.—Schnoor Bros., at approximately $1200, awarded contract by council to construct culvert and sewer in Neilson St. at San Lorenzo.

CARSON CITY, Nevada—Alston & Hoggan, Salt Lake City, Utah, at $42,220, awarded contract by state highway commission to pave Lakeview-Carson unit of highway system.

GRASS VALLEY, Nevada Co., Cal.—Engineer W. S. Farley, Monadnock Bldg., San Francisco, commissioned by trustees to prepare estimates of cost, etc., for improving approximately 3 miles of streets.

LOS ANGELES, Cal.—Until 10 A. M., May 8th, bids will be received by Board of Public Works to improve Harvard Blvd. between Lemon Grove and Melrose Ave., involving 36,610 sq. ft. asphaltic pavement and 1946 sq. ft. concrete gutter; 1911 Act.

COLUSA, Colusa Co., Cal.—J. N. Boles formerly associated with Engineer Chas. de St. Maurice, will be a candidate for the office of county surveyor at the coming election.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy, completes spec. to improve Mt. Vernon Ave. bet. Howth and Louisburg Sts., including crossing of Louisburg; estimated cost, $4600, involves 933 cu. yds. cut; 508 lin. ft. concrete curbs; 660 sq. ft art stone sidewalks; 9130 sq. ft. asphaltic concrete pavement; 3 brick catchbasins; 75 lin. ft. 10-in. vitrified culvert.

WOODLAND Yolo Co., Cal.—County Clerk H. R. Saunders instructed to call bids to construct 2 maeadam roads, one in District 900 to Headquarters in District 999, being the Holland Land Co.; another from Mound bridge near Knights Landing to El Dorado bend, up the Sacramento river. It is probable bids will be opened May 9.

YUBA CITY, Sutter Co., Cal.—City Trustees plan paving streets in western section of city: Walnut, Cooper Ave., West Bridge St. and portions of West B St., to connect county road with Plumas St. Edward von Geldern, city engineer.

LOS ANGELES, Cal.—Until May 8, 11 A. M. bids will be received by county supervisors to improve Manchester Ave. between Vermont and Western Aves., in Road Dist. No. 4, 5369 lin. ft., involving 3755 cu. yds. excavation, 7711 sq. yds. shaping roadbed, 7711 sq. yds. 6½-in. concrete paving, 12-ft. wide, 2 concrete culverts; average haul 2.5 mi. from Wildison on Santa Fe Ry. County furnishes 2174 bbls. cement.

SACRAMENTO, Cal.—Clark & Henery Construction Co., Ochsner Bldg., awarded contract by council to improve 26th St. between Y and Highland Park by constr. conc. curbs and gutters, gutter drains, concrete manholes, 8-in. vitrified sewers; grading and paving with 5½-in. asphaltic concrete.

Clark & Henery awarded contract to improve portions of 39th St., X St., Downey Way, Sherman Way, 37th, 41st Sts., alleys etc, by constructing concrete curbs and gutters, gutter drains, vitrified sewers, manholes, etc., grading and paving with 5½-in asphaltic concrete.

SANTA ANA, Cal.—Bids for constructing the proposed joint outfall sewer for Santa Ana and Anaheim, will probably be called for within 30 days. The engineers of each city have been directed to proceed with surveys and specifications. O. E. Steward, Anaheim, city engineer, and W. G. Knox, Santa Ana city engineer.

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BAKERSFIELD, Kern Co., Cal.—Council, V. Van Riper, city clerk, declares intention to improve portions of Sumner St. and East Truxton Ave., (St. Dist. 79) by grading, paving with 4-in. asphaltic concrete base with 1½-in. Warrenite-Bitulithic top, cement concrete culverts, etc. Imp. Act 1911. Protests May 8.

Intention declared to improve Oak St. (St. Dist. 81) by grading and paving with 8-in. asphaltic macadam base. ($30,000 available for these projects). W. D. Clarke, city engineer.

STOCKTON, San Joaquin Co., Cal.—Until May 9, 10.30 A. M., bids will be received by A. L. Banks, city clerk, to construct lateral sewers with wyes, with and without automatic flushers in portions of North Center, Arcade and Geary Sts. Imp. Act 1911. W. B. Hogan, city engineer.

GLENDALE, Cal.—Cornwell & Henderson, 127 S Glendale Ave., Glendale, submitted the low bid to the trustees, at $21,003.75, for improving Western Ave. between San Fernando Road and 10th St., involving 4327 lin. ft. grading at 60c ft.; 5755 lin. ft. curb at 50c ft.; 1300 sq. ft. 5-in. gutter at 23c ft.; 16,385 sq. ft. oiling and surfacing at .04¾c ft.; 3333 ft. 4-in. cast iron water pipe at $1.25 ft.; and 1160 ft. 8-in. pipe at $1.80.

SAN FRANCISCO—Street Committee of Board of Supervisors authorizes Board of Public Works to reconstruct Divisadero St. between Jackson and Pacific streets.

OLYMPIA, Wash.—Until May 16, 10 A. M., bids will be received by State Highway Commission, for:

(1) grading, draining and paving with concrete about 6.55 miles of the Inland Empire highway, betw. Buena and Dalton, in Yakima county, Federal aid project No. 92.

(2) clearing, grading, draining and surfacing with crushed gravel, about 3.85 miles of the Inland Empire highway betw. Dalton and Granger, in Yakima county.

(3) grading and draining about 0.9 mile of the Inland Empire highway, between Dixie and Coppel, in Walla Walla county.

(4) clearing, grading, draining and surfacing with crushed gravel, about 7.0 miles of the Pend Oreille highway, betw. Cusick and Locke in Pend Oreille county.

SACRAMENTO, Cal.—Until May 11, 9 P. M., bids will be received by R. B. Carlton, city clerk, to improve 7th Ave., from Riverside Blvd. to point 1059 ft. westerly by constructing concrete curbs and gutters, cast iron gutter drains, concrete manholes, 8-in. vitrified sewers, grading and paving with 5½-in. asphaltic concrete.

Separate bids, same date, to improve alley between Y, 1st Ave., 31st St. and Sacramento Blvd.; construct 1 concrete catchbasin; extending 6-in. vitrified sewers; grading and paving with 5-in. hydraulic concrete.

Separate bids, same date, to improve Montgomery Way from Franklin Blvd. to point 863 westerly by constructing concrete curbs and gutters, 1 manhole, gutter drains, grading and paving with 5½-in. asphaltic concrete. Albert Givan, city engineer.

VENICE, Cal.—Until 8.30 P. M., May 8, bids will be received by city clerk T. H. Hanna, to improve the following streets: San Juan Court between Electric and 6th Ave., to be graded and paved with 4-in. concrete; 1911 Act; and Third Ave. between Sunset and Rose Aves., to be graded and paved with 5-in. concrete, constructing 5-ft. concrete walks; also Third Ave. between Rose Ave. and N city limits, by grading and paving with oil macadam; 1911 Act.

LOS ANGELES, Cal.—Until 10 A. M., May 8, bids will be received by board of public works for street work as follows:

Portions of 14th St. and Santa Fe Ave., involving 14,889 sq. ft. asphaltic paving, 32 ft. curb, 434 sq. ft. concrete gutters, 28 sq. ft. granite block gutters, 325 ft. cement pipe sanitary sewer, Vrooman Act.

Dobinson St. between Evergreen Ave and Lara St., involving 15,411 sq. ft. grading and oiling, 1145 ft. curb, 5820 sq. ft. walk, 2503 ft. concrete gutter, 316 ft. 6-in. vitrified pipe house sewers; Vrooman Act.

Alley W of Pacific Ave., from 12th to 13th St., and a portion of 13th St., involving 4840 sq. ft. Warrenite-Bitulithic paving, 256 sq. ft. cement concrete pavement; 23 ft. curb; 559 ft. concrete gutter; Vrooman Act.

VENTURA, Cal.—New proceedings will be started for paving of various streets included in contract awarded to Southwest Paving Co. some months ago, courts having ruled new grades must be fixed. E. M. Lynch, Central Bldg., Los Angeles, engineer.

SAN JOSE, Santa Clara Co., Cal.—A. J. Raisch, 46 Kearny street, San Francisco, at $.24 sq. ft. awarded contract by council to grade and pave with 3-in. asph. conc. 6th street, between Santa Clara and St. James.

Hugh Crummey awarded contract to improve 16th street, between William and San Salvador by grading, paving with 3-in. asphalt conc. base with 1½-in. Warranite-Bitulithic surface, concrete curbs and gutters. Wm. Popp, city engineer.

SAN BERNARDINO, Cal. — Supervisors declare intention for road work in R. D. I. No. 16, on Hellman Ave. between Olive Ave. and 17,750 ft. south; paving with 4-in. concrete 24-ft. wide; constructing about 3390 lin. ft. concrete, 24-ft. wide; constructing about 3290 lin. ft. concrete curbs, 16x8x6-in.; 15,705 lin. ft. concrete curbs, 28x10x6-in.; 540 lin. ft. concrete culvert; concrete walls and toe walls, and 2-in. galvanized iron pipe railing. Work to be done under 1907 Road Dist. Imp. Act. James W. Cole will have charge of work. Plans and spec. at office of clerk of board. Harry L. Allison, or E. T. Ham, county surveyor.

WHITTIER, Cal.—Until 7.30 P. M., May 8, bids will be received by city clerk Clarence O. Trueblood, for improving Camilla St. between Pickering and Citrus Ave., and Whittier Ave. between Camilla and Hadley Sts., by grading and paving with 5-in. concrete, curbs, 5-ft. walks, reinforced concrete culvert; 1911 Act. Paul E. Todd, city engineer.

SAN LEANDRO, Alameda Co., Cal.—Proceedings to improve Mitchell and Lewis streets have been rescinded by city trustees for the second time, due to failure to post notices.

SACRAMENTO, Cal.—Council, R. B. Carlton, city clerg, declares intention to improve alley between N and O, 11th and 12th Sts., by placing 1-track drain connected to sewer with 6-in. vitrified pipe; reconstructing concrete manhole, grading and paving with 5-in. hydraulic concrete.

Intention declared to improve alley between 48th, Discover Way, T and R Sts., by constructing 6-in. vitrified sewer with wyes, concrete manholes. Albert Givan, city engineer.

OAKLAND, Cal.—Council, Eugene K. Sturgis, city clerk, declares intention to improve 52nd Ave. between E-14th and E-12th Sts., by grading, concrete curbs and gutters, cement walks and paving with oil macadam. W. W. Harmon, city engineer.

WASHINGTON, D. C.—Riley & Peterson, Loma Portal, Calif., at $43,224.07, awarded contract by Bureau of Yards and Docks, Navy Dept., to construct roads and walks at San Diego Naval base under Spec. 4602; time for completion, 75 days.

BELLINGHAM, Wash. — Standard Construction Co., Seaboard Bldg., Seattle, at $102,602, submit low bid to Whatcom County Commissioners to pave 5 miles of Nooksack-Sumas highway near Bellingham.

SACRAMENTO, Cal. — McGillivray Construction Co., Capital National Bank Bldg., awarded contract by council to improve 31st St. between J and P Sts., by constructing conc. curbs and gutters, cast iron gutter drains, concrete protective covering over sewer pipes, grading and paving with 5½-in. asphaltic concrete.

CALIFORNIA—Until May 22, 2 P. M., bids will be received by State Highway Commission, Forum Bldg., Sacramento, for highway projects as follows:

Alameda County between east boundary and Greenville, approx. 10.0 miles; to be paved with Portland cement concrete shoulders and asphaltic concrete wearing surface.

Tulare County between Three Rivers and Sequoia National Park, approx. 5.9 miles; to be graded.

Kern County between Junction Pumping Station and Hart, approx. 17.2 miles; to be paved with bitumized macadam.

See call for bids under official proposal section in this issue.

NAPA, Napa Co., Cal.—H. A. Harrold, city engineer, completes spec. to improve Yajome St. between Jackson and Lincoln Ave. and in Jackson St. between Lawrence and Yajome.

LOS ANGELES, Cal.—Ordinance of intention adopted by city council for constructing 6-in. to 8-in. cement pipe sanitary sewer in Hancock St. between Henry St. and 121.82 ft. NW of Biggy St., and in portions of other streets; Vrooman Act.

CALIFORNIA—Following bids received by State Highway Commission April 24, to pave 3.6 miles in San Luis Obispo county between S. L. O. creek and Guesta, involving 30,000 cu. yds. excavation without classifications; 8230 cu. yds. class A Portland cement concrete (pavement and curbs); 5 cu. yds. class A Portland cement concrete (culverts); 76 lin. ft. 30-in. and 60 lin. ft. 36-in. corrugated metal pipe. The commission will furnish reinforcing steel, corrugated metal pipe, cement and sand and coarse aggregate for concrete:

W. A. Kettlewell & Sons, Oakland, $78,205.
Basich Bros. Co., San Luis Obispo, $83,814.
Southwest Paving Co., Los Angeles, $85,292.50.
Blanco & Taylor, Vallejo, $91,777.
Ira Hodson, San Luis Obispo, $94,646.
Fredericksen & Shannon, Fresno, $95,386.40.
Pacific States Construction Co., San Francisco, $96,320.
Bates & Borland, Oakland, $107,975.
John Doyle, San Jose, $111,527.
J. L. Connor, Los Angeles, $111,972.
G. S. Atkinson, Los Angeles, $115,904.
Kaiser Paving Co., Oakland, $136,878.
Engineer's estimated $89,624

SAN FRANCISCO—T. M. Gallagher, low bidder for restoration of pavements over side sewers at approx. 17c sq. ft.

A. J. Raisch only bidder at $5767 to improve Edna St. between Marston and Havelock.

E. J. Treacy low bidder at $8497, to improve 25th Ave. between Irving and Judah.

State Imp. Co. low bidder at $4385, to improve Judah St. between 48th Ave and La Playa.

A. J. Raisch only bidder at $5293, to improve Marston St. between Edna and Balboa.

No bids received to improve 40th Ave. between Balboa and Cabrillo.

WOODLAND, Yolo Co., Cal.—City Engineer Asa Proctor completes spec. to construct approx. 18,627 lin. ft. concrete curbs and gutters in portions of Elliott, Locust, Elm, Clover, 4th, 5th, Walnut, and other streets.

LONG BEACH, Cal.—Council declares intention to construct cement concrete public sewers and side connections in portions of Redondo, Loma and Euclid Aves., and Eliot, 2nd and 9th Sts., and in portions of other streets and avenuues, 1911 Act.

THE DALLES, Ore.—Until May 5, 10 A. M., bids will be received by Wasco county court for grading and macadamizing Mill Creek market road, beginning at the intersection of Mill Creek market road with the city limits of Dalles City, thence southwest along the present traveled Mill Creek road, a distance of approx. 7¼ miles.

MERCED, Cal.—Until 8 P. M., May 15, bids will be received by city clerk W. W. Cornell for street work as follows:

J St. between 16th and 22nd Sts., by grading, paving with 1½-in. Warrenite bitulithic on 3½-in. asphaltic concrete base, and constructing wooden curb. The alleys in eight blocks by grading, paving with 1½-in. Warrenite bitullthic on 2½-in. asphaltic concrete base, and constructing concrete curbs.

North ½ of 16th St. between O and Q Sts., by grading, paving with 1½-in. Warrenite bitulithic on asphaltic concrete base, constructing concrete curbs. The alleys in three blocks, by grading, paving with 1½-in. Warrenite bitulithic on 2½-in. asphaltic concrete base.

Twenty-first St. between P and Q Sts., by grading, paving with 1½-in. Warrenite bitulithic on 3½-in. asphaltic concrete base, constructing concrete curbs.

13th and 14th Sts. between L and O Sts., by grading, paving with 1½-in. Warrenite bitulithic on 3½-in. asphaltic concrete base; constructing concrete curbs.

23rd St. between H and N Sts., by grading, paving with 1½-in. Warrenite bitulithic on 3½-in. asphaltic concrete base, constructing concrete crubs, and cast iron culverts.

Work to be done under 1915 bond improvement act. Certified check or bond 10% required. T. D. Martin, city engineer.

SACRAMENTO, Cal.—City Commission order extension of Elmhuurst sewer to district bounded by 39th, 42nd, R and T Sts. Albert Givan, city engineer.

MARYSVILLE, Yuba Co., Cal.—Council overrules paving protests and bids will be asked for improvements immediately. W. M. Meek, city engineer.

SANTA BARBARA, Cal. — Council plans to pave West Canyon Perdido St. between State and Chapala Sts., with concrete to test wearing qualities of concrete.

LODI, San Joaquin Co., Cal.—Clyde F. Smith, consulting sanitary engineer for the State Board of Health, employed by city trustees to submit costs, etc., for establishment of sewage disposal works.

CALIFORNIA—As previously reported, bids will be received by State Highway Commission May 15 to surface with asphaltic concrete 0.3 mile of highway in Colusa county, town of Williams—project involves approx. 900 tons asphaltic concrete surface. Commission will furnish broken stone, sand, dust and stone, asphaltic cement.

Bids will be opened on same date, to surface with asphaltic concrete approx. 10.9 miles in Kern county between Secs. 29 and 30—project involves approx. 15,900 tons asphaltic concrete surface. Commission will furnish broken stone, sand, stone dust and asphaltic cement.

STOCKTON, San Joaquin Co., Cal.—J. E. Johnston, 315 Savings and Loan Bank Bldg., at $12,223, submits only bid to supervisors to improve portions of 3rd St. and Jackson Ave., town of Escalon. Grading, 80c cu. yd.; combination curb and gutter, $1.26 lin. ft.; crushed rock, in place, $3 ton, dressing for oil, in place, $3.10 ton; asphaltic oil in place, $4.50 bbl. Taken under advisement until May 2.

No bids received to improve county highway on Staten Island in Union Road District. F. F. Quail county surveyor.

MARYSVILLE, Yuba Co., Cal.—Until May 9, 8 P. M., bids will be received by Edw. B. Stanwood, city clerk, to improve 5th street, between B and D; 6th street, betw. C. and A; D St. between 5th and 9th, except street and alley intersections and north half of 5th St. between B and C; and south half of 6th St. between B and C; removing 83 lin. ft. brick curb; placing 48 ft. face, and in 6th St. between B and C, 6-in. sewer pipe; constructing 2 catchbasins; concrete curb and gutter; grading and paving in D St. between 8th and 9th, and 6th St. between A and B with 3½-in. bituminous base and 1½-in. Warrenite-Bitulithic wearing surface ,and in 6th St. between B andC, and 5th St. between B and D, and D St. between 5th and 8th with a 2½-in. bituminous base and 1½-in. Warrenite-Bitulithic surface. Imp. Bond Act 1915. Wm. Meek, city engineer.

LOS ANGELES, Cal.—Adam Dalmatin and Mike Guho, 818 E. 40th St., awarded contract at $13,375, for constructing sewers in Ave. 34, between Glassell Ave. and Marguerite St., and in portions of other streets.

BAKERSFIELD, Kern Co., Cal.—City Engineer W. D. Clarke, preparing spec. to pave Union Ave. between Kentuck and Sumner Sts.

SAN JOSE, Santa Clara Co., Cal.—Hugh Crummey awarded contract by Council to improve 17th St. between Empire and Rosa by paving with 3½-in. asphaltic concrete base with 2-in. Warrenite-Bitulithic surface, asphaltic concrete headers, concrete curbs and gutters, 8 brick catchbasins and 8-in. vitrified pipe drains.

SALINAS, Monterey Co., Cal.—Until May 8, 7.30 P. M., bids will be received by M. R. Keef, city clerk, to improve Harvest St. between South Main and California Sts., including intersections, by grading, paving with 4-in. cement concrete; concrete curbs and gutters ½-circle corrugated culverts.

Separate bids, same date, to improve San Luis St. between Main and Front, including intersections, by grading and paving with 5-in. concrete; concrete curbs and gutters; 1½-circle corrugated culverts.

Separate bids, same date, to improve Wonham St. between South Main and California, excepting intersection of Pajaro St., by grading and paving with 4-in. cement concrete; concrete curbs.

All under Imp. Bond Act 1915 and 1911 Act. Donald F. Davies, city engineer.

NAPA, Napa Co., Cal.—City Council, H. H. Thompson, clerk, declares intention to improve Jackson St. between Lawrence and Yajome by constructing concrete curbs and gutters and paving with 2-course asphaltic macadam, 40-ft. wide and Yajome St. between Jackson and Lincoln Ave., by grading, constructing concrete curbs, paving with 2-course asphaltic macadam 40 ft. wide, concrete catchbasins. Imp. Act 1911. Protests May 22. H. A. Harrold, city engineer.

SAN MATEO, San Mateo Co., Cal.—Trustees, E. W. Foster, city clerk, declare intention to construct artificial stone sidewalks 5 ft. wide, and hydraulic cement concrete curbs and gutters in portions of B, Laurel, 5th, 6th, 7th, 8th, 9th, 3 hydraulic cement concrete catchbasins. Imp. Act 1911. Protests May 15. G. S. Whitehead, city engineer.

LOS ANGELES, Cal.—H. E. Cox, 305 Slavin Bldg., Pasadena, awarded contract by supervisors at $13,997, for improving 90th, 91st and 92nd Sts. between Budlong and Vermont Aves., in Road Imp. District No. 201, involving 5116 cu. yds. excavation; 4800 lin. ft. shaping and rolling; 8148 ft. curb; 32,679 sq. ft. walk.

GLENDALE, Cal.—Until 7 P. M., May 1, bids will be received by City Clerk A. J. Van Wie, to improve portion of Chestnut St. under 1911 Act, involving 75,562.36 sq. ft. resurfacing, 60 ft. 6-in. and 2134 ft. 4-in. cast iron pipe including appurtenances and service pipe, pipe to be furnished by city.

OAKLAND, Cal.—Oakland Paving Co. 5000 Broadway, awarded contract by council to improve Essex St. between its north termination and Alcatraz Ave. grading, $1.45 cu. yd.; concrete curb, 75c lin. ft.; concrete gutter, 23c sq. ft.; oil macadam pavement, 14c sq. ft.; cement sidewalks, 17c sq. ft.

LOS ANGELES, Cal.—Geo. J. Bock, Palms, Calif., submitted low bid to Board of Public Works, to improve Midland St. between Aves. 38 and 41, involving 28,983 sq. ft. rough grading at 1½c ft.; 28,983 sq. ft. oiling and rolling at 7c ft.; 1499 ft. curb at 70c ft.; 4795 sq. ft. walk at 22c ft.; 4238 ft. concrete gutter at 32c sq. ft.

C. R. Butterfield, 212 6th St., San Pedro, submitted low bid to improve 22nd St. between Leland St. and Patton Ave., involving 34,092 sq. ft. rough grading at 9c ft.; 34,092 sq. ft. oiling and rolling at 7c ft.; 2503 ft. curb at 72c ft.; 12,805 sq. ft. walk at 23c ft.; 5246 f t. gutter at 33c sq. ft.

CALIFORNIA—W. A. Kettlewell & Son, 1421 Market St., San Francisco, at $78,205, awarded contract by state highway commission to pave with concrete 3.6 miles in San Luis Obispo county between San Luis Obispo Creek and Cuesta.

Grant-Smith Co., Balboa Bldg., San Francisco, at $169,366, awarded contract to pave with bituminous macadam, 11.7 miles in Sonoma county between Santa Rosa and Belante.

SANTA ANA, Cal.—Basich Bros. Co., 2103 W. 28th St., Los Angeles, awarded contract by supervisors at $17,273.39, to construct 2 miles concrete pavement on Huntington Beach, near Wintersburg.

SAN JOSE, Santa Clara Co., Cal.—Until May 8, 8 P. M., bids will be received by John J. Lynch, city clerk, Carlos and Balbach by regrading; paving with 3-in. asphaltic concrete base with 1½ in. asphaltic concrete surface, concrete curbs and gutters; 2 brick catchbasins; 8-in. vitrified pipe sewer connections, etc. Wm. Popp, city engineer.

RENO, Nevada.—City Council declares intention to grade and pave with 2½-in. asphalt concrete base and 1½-in. asphalt concrete top with asphalt finish coat the following streets and alleys in First Ward:

Granite St. from Court to California Ave.

Flint St. from Court to California.

Ridge St. from Granite to Belmont.

Lee Ave. from Court to Ridge.

Marsh Ave. from Arlington to Forrest.

California Ave. from Belmont to Newlands Park.

Belmont from Court to First.

Alley Bet. Granite and Hill, California and Liberty.

Streets in Fourth Ward: Fifth from Virginia to Sierra and University Ave. from Fourth to Ninth.

Streets in Sixth Ward: Wheeler from Cheney to Crampton; Cheney from Wheeler to Wilson; Roberts from Holcomb to Wells, and Wells from Roberts to Thoma.

Protests will be heard May 8. Harry Chism, City Engineer.

SAN JOSE, Santa Clara Co., Cal.—Council, John J. Lynch, city clerg, declares intention to improve 14th St. between Santa Clara and Empire, by grading, paving with 3-in. asphaltic concrete base with 1½-in. Warrenite-Bitulithic surface, concrete curbs and gutters, 5 brick catchbasins and 8-in. pipe drains. Protests May 15. Wm. Popp, city engineer.

REDWOOD CITY, San Mateo Co., Cal.—City Trustees, W. A. Price, clerk, declare intention to construct 4-in. and 6-in. vitrified tile pipe sewers in portions of Sequoia Ave. Imp. Act 1911. Protests May 8. C. L. Dimmitt, city engineer.

VALLEJO, Solano Co., Cal.—M. P. Cambar, Vallejo, at $852, awarded contract by council to construct 480 lin. ft. 6-in. sewer in Louisiana St.

SANTA CRUZ, Santa Cruz Co., Cal.—Until May 11, 1 P. M., bids will be received by H. E. Miller, County Clerk, to grade, re-grade, macadamize, surface and repair the following units of the county highway system:
Layout 10, Division 1—3.929 miles.
Layout 11, Division 3—3.549 miles.
Layout 12, Division 1—1.36 mile.
Layout 13, Division 1—0.62 mile.
Layout 14, Division 2—0.72 mile.
Layout 15, Division 2—0.10 mile.
Green valley unit, 1.098 mile.
"Five Mile House" unit, 1.83 mile.
Lloyd Bowman, County Surveyor.

MERCED, Merced Co., Cal.—Petitions are being circulated at Planada seeking the formation of a road district to pave from Planada south through Plainsburg, connecting with the State highway near Lebranza. A. E. Cowell, County Surveyor.

BAKERSFIELD, Kern Co., Cal.—City Council V. Van Riper, City Clerk, declares intention to improve Jackson St. between Baker and King, by grading, constructing concrete curbs and gutters and paving with 3½-in. asphaltic concrete base with 1½-in. Warrenite-Bit. surface; alley in Block 72 Kern, bet. Baker and King, by grading, concrete curbs and gutters, paving with 3½-in. asphalt concrete base with 1½-in. Warrenite-Bit. surface and constructing concrete culverts with corrugated iron covers at termination of King and Jackson streets (Imp. Dis-

ALAMEDA, Alameda Co., Cal.—City Council planning to construct highway from south end of Bay Farm Island bridge to a point 4675 ft. east. Two types of pavement proposed; oil macadam, $11,108 or permanent concrete pavement, $29,312. Road will be 18-ft. wide.

SAN JOSE, Santa Clara Co., Cal.—Council, John J. Lynch, city clerk, declares intention to improve portions of west ½ of 16th St., by regrading; paving with 3-in. asphaltic concrete base with 1½-in. asphaltic concrete surface and concrete curbs.

9th St. between Santa Clara and St. John by regrading; 3-in. asphaltic concrete base with 1½-in. asphaltic concrete surface pavement.

4th St. between Santa Clara St. and St. John; paving with 5-in. cement concrete base with 2-in. Warrenite-Bitulithic surface.

15th St. between San Carlos and William by regrading, paving with 3-in. asphaltic concrete base with 1½-in. concrete surface, concrete curbs and brick catchbasins. Wm. Popp, city engineer.

PORTLAND, Ore.—Until May 9, bids will be received by State Highway Commission, Courthouse, Portland, Ore. for following highway projects:

Coos County: Roseburg-Coos Bay Highway, Coquille-Myrtle Point Section, 7 miles grading and macadam, 10,000 cu. yds. excavation, 15,000 cu. yds. surfacing.

Douglas County: Roseburg-Coos Bay Highway,. Winston-Camas Mountain Section, 10.8 miles of macadam, 24,000 cu. yds. surfacing.

Lane County: McKenzie Highway, Walterville-Deerhorn and Doyle Hill Section, 2.98 miles, 11,000 cu. yds. excavation, 6500 cu. yds. surfacing.

Linn County: Pacific Highway, Halsey-Harrisburg Section, concrete paving, 7.94 miles.

Polk County: West Side Highway, Rickreall-Holmes Gap Section, concrete paving, 5.67 miles.

Sherman County: Sherman Highway, Biggs-Wasco Section, grading and macadam, 9.45 miles, 86,000 cu. yds. excavation, 22,000 cu. yds. surfacing.

Tillamook County: Coast Highway, Mohler-Clatsop County Line Section, grading and macadam, 4.7 miles, 38,000 cu. yds. excavation, 9000 cu. yds. surfacing.

Bids will be received by the Commission on May 10, for:

Coos and Douglas Counties: Roseburg-Coos Bay Highway, Myrtle Point-Camas Valley Section, macadam. Unit 1, 11.8 miles, 26,000 cu. yds. surfacing; Unit 2, 12.2 miles, 27,000 cu. yds. surfacing; Unit 3, 10.8 miles, 24,000 cu. yds. surfacing.

Curry County: Coast Highway, Hunter's Head Section (5 miles south of Gold Beach), grading 4.28 miles, 192,000 cu. yds. excavation.

Lane County: Pacific Highway, Junction City-Harrisburg Section, grading and macadam 3.46 miles, 20,000 cu. yds. excavation, 8000 cu. yds. surfacing.

Polk County: West Side Highway, Monmouth-Benton county Line Section, concrete paving 9.8 miles.

SAN BERNARDINO, Cal.—W. C. Cline, Upland, awarded contract by supervisors, at $33,513, for paving with 5¾-in. macadam, streets in R. D. I. No. 15.

SEATTLE, Wash.—Thos. R. Beeman, Kings county engineer, preparing spec. to pave 4.37 miles of Valley road from Orrillia to Kent, with 20-ft. 1-course concrete pavement. Est. cost, $115,000. Eng. 21

LODI, San Joaquin Co., Cal.—Clark and Henery Construction Co., 38 S Sutter St., Stockton, awarded contract by trustees to improve portions of Tokay St., by grading, concrete curbs and gutters and paving with 2½-in. asphaltic concrete base with 1½-in. Warrenite surface.

REDWOOD CITY, San Mateo Co., Cal. Until May 15, 8 P. M., bids will be received by W. A. Price, city clerk, to construct 4, 6, and 8-in. vit. sewers in portions of Jefferson street, and alley in block 12, Eagle Hill addition, approximately 40-ft. 8-in. black dipped wrought iron pipe, br. manholes, etc., Imp. Act. 1911. C. L. Dimmitt, city engineer.

GLENDALE, Cal.—Peter L. Ferry, 614 E Acacia, Glendale, submitted only bids to council, at $3600 for laying 1100 ft. 4-in., and 600 ft. 6-in. cast iron pipe in San Fernando Road; at $2375 for laying 1200 ft. Matheson pipe in Tenth Ct.; and at $15,210 for 5000 ft. 8-in., 300 ft. 6-in. and 250 ft. 4-in. cast iron pipe in Brank Blvd. and Cerritos Ave. Eng. 21

LOS ANGELES, Cal.—Until 11 A. M., May 15, bids will be received by supervisors for street work in Road Imp. Dist. No. 205, 3948.56 lin. ft., involving 4433 cu. yds. excavation, 1100 cu. yds. excavation for storm drains, 17,472 sq. yds. shaping roadbed; 16,642 sq. yds. placing asphaltic concrete base, 16,642 sq. yds. Willite wearing surface, 7470 sq. ft. concrete gutter, 5215 ft. concrete curb, 2412 sq. ft. walk, $19 each. Seven catchbasins, $18 each; three manholes; 261 ft. 18-in. reinforced concrete pipe; 705 ft. 24-in. reinforced concrete pipe. Materials required will be 478 bbls. cement, 208 tons sand, 3547 gravel, 16,642 sq. yds. asphaltic concrete base, 16,642 sq. yds. Willite surfacing, 250 pieces expansion joints, 46 lbs. lamp black, 500 common bricks, 127 lbs. reinforced steel, manhole frames and covers, 705 ft. 24-in. and 261 ft. 18-in. reinforced concrete pipe.

SAN BRUNO, San Mateo Co., Cal.—Municipal Imp. Co., 357 12th St., Oakland, at approx. $93,000, awarded contract by trustees to improve portions of Huntington Mills, San Anselmo Ave., etc., grading, paving with waterbound rock macadam base with asphaltic oil and rock screening surface, 12-in. vitrified storm sewers; brick catchbasins, etc.

LONG BEACH, Cal.—J. W. Butters, 651 Stanley Ave., Long Beach, submitted low bid to council at 18½c ft. for grading and paving with 4-in. concrete and bituminous surface, 12,915.58 sq. ft. of the alley E of Locust St. between 15th and 16th Sts.

D. P. Durham, 900 Raymond Ave., Long Beach, submitted low bid at 17.8c sq. ft. for grading and paving with 4-in. concrete, 9911.72 sq. ft. of the alley E of Pacific Ave. between 15th and 16th Sts.

SAN RAFAEL, Marin Co., Cal.—Until May 15, 10 a. m. bids will be received by Robert E. Graham, county clerk, to improve road from intersection with state highway north of Mt. Olivet Cemetery, south to its intersection with state highway at north city limits of San Rafael, improve Culloden avenue, from west city limits of San Rafael to east boundary of Tamalpais Cemetery and improving portion of Point San Pedro road, all in Rd. District 1.

Separate bids, same date, to improve county road in village of Marshall, Rd. District No. 4. Geo. M. Dodge, county surveyor.

MODESTO, Stanislaus Co., Cal.—Standard Paving Co., 9th and N Sts., at approx $50,000, awarded contract by council to improve Magnolia Ave. bet. Needham and Stoddard: grading, paving with 2½-in. asphaltic concrete base with 1½-in. Warrenite-Bitulithic surface, concrete curbs and gutters and concrete (Marbelite) electroliers.

Magnolia Ave. bet. Stoddard and Lateral 4 of Modesto Irrigation District, and Stoddard from Block 546 to Magnolia Ave.; grading, paving with 2½-in. asphaltic concrete base with 1½-in. Warenite-Bitulithic surface, concrete curbs and gutters and (Marbelite) concrete electroliers.

Also Sixth St. bet. K and L Sts., improvements as in other streets with exception of electrollers.

Also portions of Fairview Ave., Pleasant, and D Sts., etc., with exception of electroliers. Geo. Freitas, city engineer.

STATE WATER COMMISSION

CALIFORNIA — Following applications for permits to appropriate water filed with the State Department of Public Works, Division of Water Rights, 910 Eighth street, Sacramento, during the months of February and March, 1922:

Application No. 2744 (Tulare Co.) Kaweah Molybdenum Mines Company, San Francisco, Cal., 10 cu. ft. per second direct diversion and 260 acre ft. per annum for storage, to be collected between January 1 and December 31 of each season, from middle fork of Kaweah River, Tulare County, tributary of Kaweah River, for power purposes. Amount of power to be developed, 250 t. h. p. Diversion to be by means of a timber crib dam 10 ft by167 ft. by 40 ft. and pipe line 1200 ft. long.

No. 2745 (San Bernardino Co.) Temescal Water Company, Corona, Cal., 20 cu. ft. per second direct diversion, and 20,000 acre ft. per annum for storage, to be collected between October 1 and April 1 of each season from Santa Ana River, San Bernardino County, for the irrigation of 8000 acres. Diversion to be by pumping Est. cost of works, $500,000.

No. 2748 (Tehama Co.) Finnell Land Company, 901 Insurance Exchange Building, San Francisco, Cal., 18¾ cu. ft. per second from the Sacramento River, Tehama County, for irrigating 1500 acres. Diversion by pumping and distributing ditches approximately 1 mile each in length.

No. 2749 (Butte Co.) Pacific Gas & Electric Company, San Francisco, 5740 acre ft. per annum for storage, to be collected between January 1 and December 31 of each season, from Clear Creek, Butte County, tributary of Butte Creek, the water to be diverted at the rate of 20 cu. ft. per second from July 1 to December 1 of each season, for power purposes. Amount of power to be developed, 4781 t. h. p. Diversion works: Flume about 100 ft. long and concrete and masonry overflow type dam 6 ft. by 20 ft. Est. Cost $253,900.

No. 2750 (Nevada Co.) Pacific Gas & Electric Company, San Francisco, 26,670 acre ft. per annum for storage, to be collected between November 1 and June 30 of each season from Fordyce Creek, Butte County, tributary of South Fork of Yuba River, the water to be diverted at the rate of 100 cu. ft. per second from June 1 to February 1 of each season, for the development of 17,035 t. h. p. Diversion works: Main dam 275 ft. by 800 ft. and small auxiliary dams of concrete, spillway in separate dam; total waterway 7.95 miles long. Est. cost $745,500.

No. 2751 (Amador and Calaveras), Pacific Gas & Electric Company, San

Francisco, 9412 acre ft. per annum from Deer Creek, Alpine County, tributary of North Fork of Mokelumne River, to be collected between November 1 and June 30 of each season and diverted at the rate of 100 cu. ft. per second from June 1 to December 31 of each season, for the development of 15,945 t. h. p. Diversion works: Existing canals 36.55 miles long and concrete dam 10 ft by 134 ft. by 20 ft. Est. cost, $357,000.

No. 2752 (Butte Co.) Pacific Gas & Electric Company, San Francisco, 3700 acre ft. per annum from West Branch of North Fork of Feather River, to be collected between January 1 and December 31 of each season, and diverted at the rate of 15 cu. ft. per second from July 1 to December 31 of each season, for power purposes. Total amount of power to be developed, 3586 t. h. p. Diversion works: Existing canal 23 miles long, and timber crib, rock-filled dam 15 ft. by 100 ft. by 20 ft. Est. cost, $182,000.

No. 2753 (Nevada and Placer Counties). Pacific Gas & Electric Company, San Francisco, for 100 cu. ft. per second from Bear River (stored water from Fordyce) in Nevada and Placer Counties, tributary to Feather River, for development of 8675 t. h. p. Diversion works: Bear River canal, 23.31 miles long, and cyclopean concrete dam 30 ft. by 165.8 ft by 40 ft. approximately, with solid rock masonry faces.

No. 2754 (Tehama Co.) Pacific Gas & Electric Company, San Francisco, 50 cu. ft. per second from North Battle Creek, Tehama County, tributary of Battle Creek, for power purposes. Amount of power to be developed, 2716 t. h. p. Diversion works, Canal 1.65 miles long and Cyclopean rubble masonry dam 6 ft. by 56 ft. by 40 ft., with timber sand-sluice gate and bypass through dam. Est. cost $25,400.

No. 2755 (Butte Co.) Pacific Gas & Electric Company, San Francisco, 5060 acre ft. per annum from Philbrook Creek in Butte County, tributary of West Branch of North Fork of Feather River, to be stored and diverted at the rate of 20 cu. ft. per second from about July 1 toDecember 31 of each season, for power purposes. Amount of power to be developed 4781 t. h. p. Diversion works: Existing canal 23 miles long, and timber cut, rock filled dam 15 ft. by 100 ft. by 20 ft., with 6-in. timber sheathing on upstream face and 3-in. sheathing on downstream face. Est. cost $184,100.

No. 2758 (San Mateo Co.) Peninsula Farms Company, Pescadero, Cal., 2 cu. ft. per second from Gazos Creek, San Mateo County, for agricultural and domestic purposes, the water to be used on 250 acres. Diversion works: Main ditch and pipe line 3½ miles long, and pumps. Est cost $15,000.

No. 2759 (San Mateo Co.) Peninsula Farms Company, Pescadero, Cal., for the appropriation of 3 cu. ft. per second from Butano Creek San Mateo County, for agricultural and domestic purposes, the water to be used on 300 acres. Diversion to be by means of a canal ½ mile long and a loose earth and timber dam 5 ft. by 30 ft. by 20 ft. and pumping plant. Est cost $12,000.

No. 2760 (San Mateo Co.) Peninsula Farms Company, Pescadero, Cal. 5 cu. ft. per second from Pescadero Creek San Mateo County for agricultural and domestic purposes, water to be used on 730 acres. Diversion to be by means of a pipe line ¾ mile long and a concrete and timber dam 8 ft by 30 ft. by 30 ft and centrifugal pumps. Est. cost, $25,000.

No. 2761 (Inyo Co.) John Salsberry, Goldfield, Nevada, 5 cu. ft. per second from a spring in Section 20 South Range 45 East M.D.M. in Inyo County, for power purposes. Amount of power to be developed about 100 t. h. p. for operating a mill. Pipe line 1 mile long.

No. 2763 (Tehama Co.) A. L. Conrad, Red Bluff, Cal. 250 cu. ft. per second direct diversion and 100,000 acre feet per annum to be stored between March 1 and November 1 of each season from Deer Creek, Tehama County, tributary of Sacramento River, for the irrigation of 30,000 acres.

No. 2764 (Tehama Co.) A. L. Conrad, Red Bluff, Cal. 250 cu. ft. per second from Red Bluff Creek, Tehama County, tributary of Sacramento River, for irrigating 30,000 acres.

No. 2765 (Tehama Co.) A. L. Conrad, Red Bluff, Cal. 100 cu. ft. per second direct diversion and 75,000 acre ft. per annum for storage to be collected between November 1 and June 1 of each season from South Fork of Cottonwood Creek, Tehama County, tributary of Sacramento River, for irrigating 30,000 acres.

No. 2766 (Tehama Co.) A. L. Conrad, Red Bluff, Cal., 250 cu. ft. per second direct diversion and 125,000 acre feet per annum for storage, to be collected between November 1 and June 1 of each season, from Thomes Creek, Tehama County, tributary of Sacramento River, for irrigation of 50,000 acres.

No. 2767 (Sierra and Nevada Counties). Roy H. Elliott, 1213 Hobart Building, San Francisco, 400 cu. ft. per second from Middle Fork of Yuba River; Milton Creek; unnamed branch of Milton Creek; South Fork of South Fork of North Yuba River; unnamed branch of South Fork of South Fork of North Yuba River; Sardine Creek; and North Fork of South Fork of North Yuba River; in Sierra County, tributary of Yuba River, for power purposes. Amount of power to be developed, 60,557 t. h. p. Diversion works: Milton Condult 6.41 miles long, plus Milton Tunnel 6161 ft. long; Sardine Conduit .995 mile long; Bassett Conduit 3.59 miles long, and the following dams, constructed of concrete: Dam 675 ft. by 110 ft. by 50 ft.; dam 20 ft. by 4 ft. by 28 ft.; dam 30 ft. by 6 ft. by 28 ft., dam 113 ft. by 14 ft. by 28 ft.; dam 37 ft. by 2 ft. by 28 ft.; dam 50 ft. by 20 ft. by 26.50 ft.; and dam 120 ft. by 300 ft. by 75 ft. Est. cost of proposed works, $2,760,000.

No. 2768 (Del Norte Co.) F. H. Osgood, Seattle, Wash., 125 cu. ft. per second from West Fork of East Fork of Illinois River, Del Norte County, tributary of Illinois River, for hydraulic mining purposes. Diversion works: Main ditch and flume 9½ miles long, and rock timber and concrete dam 8 ft. by 65 ft. by 50 ft. Est. cost $40,000.

No. 2769 (Mendocino Co.) J. G. and G. C. Hunt, Covelo, Cal., 1 cu. ft. per second from Mill Creek, Mendocino County, tributary of Eel River, for agricultural purposes on 20 acres. Diversion works: Pipe line 150 ft. long and 1 centrifugal 3½-in. pump.

No. 2773 (Placer Co.) Ivan H. Parker, Auburn, California, 200 cu ft. per second direct diversion, and 60,000 acre ft. per annum for storage, to be collected between October 1 and May 1 of each season, from Bear River (Placer and Nevada Counties) for power purposes. Amount of power to be developed 13,636 T. H. P.

No. 2774 (Amador Co.) Preston School of Industry, Waterman, Cal., 9.08 cu. ft. per second from Sutter Creek, Amador County, for irrigation of 726 acres. Diversion works: Main ditch and pipe line 9.54 miles long and concrete dam 3ft by 40 ft. by 40 ft. Est. cost $75,000.

No. 2775 (Amador Co.) Preston School of Industry, Waterman, Cal., 10 cu. ft. per second direct diversion, and 3756 acre ft. per annum for storage, to be collected between October 1 and July 1, from Sutter Creek in Amador County, tributary of Dry Creek and Mokelumne River, for power purposes. Amount of power to be developed 309 t. h. p. Diversion works: Ditch and pipe line 9.51 miles long and concrete dam 3 ft. by 40 ft. by 40 ft. Est. cost $75,000.

No. 2776 (Yuba and Sierra Counties) Roy H. Elliott, 1213 Hobart Building, San Francisco, 60 cu. ft. per second from Slate Creek; 60 cu. ft. per second from Canyon Creek; 2 cu. ft. per second from Boyce Ravine; 3 cu. ft. per second from Cherokee Creek, 1.5 cu. ft. per second from North Yuba River, Yuba and Sierra Counties, tributary of Yuba River, for power purposes. Amount of power to be developed 105,906 t. h. p. Diversion works: Dam 10 ft. by 100 ft. by 80 ft., dam 25 ft. by 110 ft. by 80 ft., dam 16 ft. by 30 ft. by 20 ft., dam 10 ft. by 60 ft. by 40 ft.; dam 250 ft. by 720 ft. by 90 ft., constructed of concrete, to be Constant Angle Arch Dams, and conduit system 12.51 miles long. Est. cost $900,000.

No. 2778 (Butte Co.) Oroville Wyandotte Irrigation District, Oroville, Cal. 40 cu. ft. per second and 25,000 acre ft. per annum for storage, to be collected between October 1 and July 1 of each season, from Lost Creek, Butte County, tributary of South Fork of Feather River, for agricultural purposes. Diversion works: Ditch 14.6 miles long and reinforced concrete dam 106 ft. by 400 ft. by 40 ft.

No. 2779 (Fresno and San Benito Counties). W. Neumann, San Francisco 250 cu. ft. per second direct diversion and 25,000 acre ft. per annum for storage, to be collected between January 1 and December 31 of each season, from Silver Creek, San Benito County and Fresno County, for general agricultural purposes on 150,000 acres.

No. 2780 (Siskiyou Co.) W. L. Lsland, 40 25th avenue, San Francisco, 405 cu. ft. per second from Inconstance, Brewer and Ash Creeks, Siskiyou County, for power purposes.

No. 2785 (Trinity Co.) V. P. Demens, 506 W. P. Story Building, Los Angeles, Cal., and W. L. Leland, 40 25th avenue, San Francisco, Cal., 160 cu. ft. per second from Swift Creek, Trinity County, tributary of Trinity River, for power purposes. The diversion ditch, flume and pipe line to be approximately 2¾ miles long.

No. 2786 (Trinity Co.) V. P. Demens, 506 W. P. Story Building, Los Angeles, Cal., and W. L. Leland, 40 25th avenue, San Francisco, Cal., 140 cu. ft. per second from Swift Creek, Trinity County, tributary of Trinity River, for power purposes. The diversion ditch, flume and pipe line to be approximately 3 miles long.

No. 2788 (Inyo Co.) The Nevada-California Power Company, Riverside, Cal., 2999 acre ft. per annum for storage, to be collected between May 1 and August 15 of each season, from Middle Fork of Bishop Creek, Inyo County, tributary of Bishop Creek, for power purposes. Total amount of power to be debeloped 6136 t. h. p.

No. 2791 (San Bernardino Co.) East Lugonia Mutual Water Company and City of Redlands, c/o George S. Hinckley, City Engineer, Redlands, 560 cu. ft. per second from Mill Creek, San Bernardino County, for municipal purposes.

No. 2792 (Madera and Fresno Counties). Madera Irrigation District, Madera, Cal., 9000 cu. ft. per second direct diversion and 600,000 acre ft. per annum for storage, to be collected between January 1 and August 31 of each season, from San Joaquin River in Fresno and Madera Counties, for power purposes. Total amount of power to be developed, 100,000 t. h. p.

No. 2794 (Nevada and Yuba Counties) F. H. Dam, Berkeley, Cal., 75,000 acre ft. per annum for storage, to be collected between October 1 and June 1 of each season, from Dry Creek, Yuba County, and 35,000 acre ft. per annum for storage, to be collected between November 1 and April 1 of each season, from North Fork of Wolf Creek, Nevada County, tributaries of Feather River and Bear River, respectively, for agricultural purposes on about 28,000 acres.

No. 2795 (Kern Co.) Barclay McCowan, Trustee, Bakersfield, Cal., 1000 cu. ft. per second direct diversion and 1,000,000 acre ft. per annum for storage, from Kern River, Kern County, for power purposes. Total amount of power to be developed, 39,000 t. h. p. Diversion works: Concrete dam 260 ft. high.

No. 2796 (Kern Co.) Barclay McCowan, Trustee, Bakersfield, Cal., 1000 cu. ft. per second direct diversion, and 1,000,000 acre ft. per annum for storage, from Kern River, in Kern County, for power purposes. Total amount of power to be developed, 204,500 t. h. p. Diversion canal to be 15 miles long.

No. 2797 (Kern Co.) Barclay McCowan, Trustee, Bakersfield, Cal., 1000 cu. ft. per second direct diversion, and 1,000,000 acre ft. per annum for storage, from Kern River, in Kern County, for power purposes. Total amount of power to be developed 337,350 t. h. p. Diversion works: Canal and tunnel 8.5 miles long.

No. 2798 (Kern Co.) Barclay McCowan, Trustee, Bakersfield, Cal., 1000 cu. ft. per second direct diversion and 1,000,000 acre ft. per annum for storage, from Kern River, in Kern County, for power purposes. Total amount of power to be developed 29,260 t. h. p.

No. 2799 (Inyo Co.) Hillside Water Company, Riverside, Cal., 20 cu. ft. per second from Bishop Creek, Inyo County, tributary of Owens River, for irrigation of 7945 acres.

No. 2800 (Fresno Co.) Sacramento-San Joaquin Bank, Sacramento, Cal., 75,000 acre ft. per annum for storage from Waltham Creek; 50,000 acre ft. per annum for storage from Incalitos Creek; 50,000 acre ft. per annum from Zapato Creek for storage; 50,000 acre ft. per annum for storage from Canons Creek; 50,000 acre ft. per annum for storage from White Creek; 75,000 acre ft. per annum for storage from Los Gatos Creek; 50,000 acre ft. per annum for storage from Cantua Creek, 50,000

acre feet per annum for storage from Arroyo Hondo Creek; and 50,000 acre ft. per annum from Salt Creek for storage; in Fresno County, for agricultural purposes.

No. 2803 (Inyo Co.) City of Los Angeles and Board of Public Service Commissioners, Public Service Building, Los Angeles, Cal., 2467 acre ft. per annum for storage, to be collected between October 1 and March 31 of each season, from Pine Creek and Morgan Creek, Inyo County, tributary of Rock Creek, for power purposes. Diversion works: Conduit, tunnel and pipe line 6 miles long, and concrete dam 15 ft. by 50 ft. by 15 ft.

No. 2805 (Butte Co.) E. L. Adams and Herbert W. Whitten, Chico, Cal., 14 cu. ft. per second from Butte Creek, Butte County, for agricultural purposes on 800 acres. Diversion works: Canal 2 miles long, and pump.

No. 2806 (Solano Co.) Continental Investment Company, 1158 Sutter street, San Francisco, Cal., 2.51 cu. ft. per second from Alamo Creek, Solano County, tributary of the Sacramento River, for irrigation of 201 acres. Diversion works consist of a pumping plant. Est. cost $1500.

No. 2808 (Butte Co.) H. H. Hunter, Pulga, Butte Co., Cal., 1.25 cu. ft. per second from Mill Creek, Butte County, for mining purposes. Diversion to be by means of a brush and rock dam 1 ft. by 10 ft. by 10 ft. and ditch 1360 ft. long.

No. 2809 (Eldorado Co.) Thebo, Starr and Anderton, Sharon Building, San Francisco, 1500 cu. ft. per second direct diversion and 500,000 acre ft. per annum for storage, to be collected between January 1 and December 31 of each season, from South Fork of American River in Eldorado County, tributary of the American River, for power purposes.

No. 2810 (Eldorado Co.) Thebo, Starr and Anderton, Sharon Building, San Francisco, 1500 cu. ft. per second direct diversion, and 500,000 acre ft. per annum for storage, to be collected between January 1 and December 31 of each season, from South Fork of American River, Eldorado County, tributary of the American River, for agricultural purposes.

No. 2811 (Shasta County) Thebo, Starr and Anderton, Sharon Building, San Francisco, 2000 cubic feet per second from McCoud River, and 3500 cubic feet per second from Pit River, Shasta County, tributary of Sacramento River; also 200,000 acre feet per annum for storage to be collected between January 1st and December 31st of each season, for power purposes.

No. 2812 (Shasta County) Thebo, Starr and Anderton, Sharon Building, San Francisco, 2000 cu. ft. per second direct diversion and 350,000 acre ft. per annum for storage to be collected between January 1st and December 31st of each season, from McCloud River, Shasta County, tributary of Pit River, for power purposes.

No. 2813 (Shasta County) Thebo, Starr and Anderton, Sharon Building, San Francisco, 1500 cu. ft. per second direct diversion and 250,000 acre ft. per annum for storage, to be collected between January 1st and December 31st of each season, from McCloud River, Shasta County, tributary of Pit River, for power purposes

PERMITS

(Madera County) Permit No. 979, Southern California Edison Company, Los Angeles, California, 3000 cu. ft. per second from San Joaquin River in Fresno County for power purposes. Total amount of power to be developed 363,600 T. H. P. Diversion works: conduits approximately 11 miles long and Cyclopean concrete arch dam 100' x 315' approximately 100 ' with wasteway over crest. Est. cost, $21,860,000

Fresno County) Permit No. 980, San Joaquin Light and Power Corporation, Fresno, California, 150 cu. ft. per second direct diversion from West Fork of Kings River, Fresno County, and 250 cu. ft. per second direct diversion from North Fork of Kings River, Fresno County, for power purposes. Amount of power to be developed 223,-296 T. H. P. Diversion works:

Peart Power Development (West Fork of Kings River). Condult system consisting of passage through dam ⅛ mile long, and reinforced concrete single arch dam 315' x 900' x 90'.

Farnham Diversion II (West Fork of Kings River). Tunnel 4½ miles long and dam 67' x 185' x 70', constructed of concrete, with wasteway over dam.

Farnham Diversion I (West Fork of Kings River). Tunnel and penstocks 2½ miles long and dam 75' x 210' x 40', constructed of concrete with wasteway over top.

Bulch Diversion II (West Fork of Kings River). Tunnels and penstocks 5 miles long and dam 60' x 330' x 20', constructed of concrete with wasteway over dam.

Lake Wishon Diversion (North Fork of Kings River). Passage through dam ⅛ mile in length and dam 260' x 4150' x 40', constructed of reinforced concrete, multiple arch, with wasteway around dam.

Haas Diversion (North Fork of Kings River). Tunnel and pen stocks 8 miles long, and concrete single arch dam 60' x 250' x 30', with wasteway around dam.

Bulch Diversion I (North Fork of Kings River. Tunnels and penstocks 6 miles long, and concrete single arch dam 70' x 220' x 40', with Taintor Gates and wasteway over dam.

(Fresno County) Permit No. 981, San Joaquin Light and Power Corporation, Fresno, 50 cu. ft. per second from January 1st to December 31st of each season, from Deer Creek, Fresno County, tributary of West Fork of Kings River, for power purposes. Total amount of power to be developed 8327 T. H. P. Diversion works: Tunnels and penstocks approximately 2 miles long, and reinforced concrete mutiple arch dam 200' x 1600' x 40', with wasteway around dam. Est. cost, $1,200,000.

(Fresno County) Permit No. 982, San Joaquin Light and Power Corporation, Fresno, California, 50 cu. ft. per second from Deer Creek, Fresno County, tributary of West Fork of Kings River, for power purposes. Total amount of power to be developed 8778 T. H. P. Diversion works: tunnels and penstocks approximately 2½ miles long, and concrete dam 75' x 210' x 40, with wasteway over top. Est. cost, $1,200,-000.

(Fresno County) Permit No. 983, San Joaquin Light and Power Corporation, Fresno, California, 250 cu. ft. per second from Rancheria Creek and North Fork of Kings River, Fresno County, tributary of North Fork of Kings River, respectively, for power purposes. Total amount of power to be developed 70,312 T. H. P. Diversion works: **Rancheria Creek Diversion**—Tunnels approximately 4 miles long, and concrete dam 15' x 50' x 20', with wasteway over dam. **North Fork of Kings River Diversion**—Tunnels and penstocks approximately 8 miles long, and dam 60' x 250' x 30', constructed of concrete ,with wasteway around dam. Est. cost, $9,600,000.

(Fresno County) Permit No. 984, San Joaquin Light and Power Corporation, Fresno, California, 250 cu. ft. per second from North Fork of Kings River, Fresno County; and 50 cu. ft. per second from West Fork of Kings River, Fresno County, tributary of Kings River, for power purposes. Total amount of power to be developed 85,227 T. H. P. Diversion works: **North Fork of Kings River Diversion**—Conduit consisting of tunnels and penstocks approximately 6 miles long, and concrete single arch dam 70' x 200' x 40', with Taintor gates and wasteway over dam. **West Fork of Kings River Diversion**—Tunnels and penstocks approximately 5 miles long, and concrete dam 60' x 330' x 20', with wasteway over dam. Est. cost, $11,600,000.

(Fresno County) Permit No. 985, San Joaquin Light and Power Corporation, Fresno, California, 750 cu. ft. per second from North Fork of Kings River, Fresno County, tributary of Kings River, for power purposes. Total amount of power to be developed 35,-795 T. H. P. Diversion works: Tunnels and penstocks approximately 7½ miles long, and concrete dam 80' x 550' x 100', single arch, with Taintor gates, wasteway over dam. Est. cost, $4,850,-000.

(Mono County) Permit No. 986, John C. Unthank, Mocalno, Mono County, 2 cu. ft. per second from underground flow from Clover Patch, Banner and Moran Springs drainage area in Mono County, for agricultural and domestic purposes, water to be used on 160 acres.

(Placer County) Permit No. 989, Lee Perkins, Oakland, California, 0.25 cu. ft. per second from about May 1st to about November 1st of each season, for agricultural purposes on 20 acres. Diversion works: Pipe line 1500' long, and concrete dam 4' x 75' x75'. Est. cost, $1000.

(Sacramento County) Permit No. 992, City of Sacramento, 225 cu. ft. per second from Sacramento River in Sacramento County, for municipal purposes. Diversion works: Main intake pipe line 1000' more or less, terminating in filtration plant, thence to City distributing system.

(Alpine, Amador and Eldorado Counties) Permit No. 993, Western States Gas and Electric Company, Stockton, California, 280 cu. ft. per second from South Fork of American River, tributary of Sacramento River, for power purposes Total amount of water to be developed, the equivalent of 18,220 T. H. P. at 100% load factor. Diversion works: Main ditch 7.3 miles long and timber crib dam about 20' x 220'. Est. cost, $1,000,000.

(Eldorado County) Permit No. 994, Western States Gas and Electric Company, Stockton, California, 280 cu. ft. per second from South Fork of American River, Eldorado County, tributary of Sacramento River, for power purposes. Total amount of power to be developed 61,282 T. H. P. Diversion works: Main ditch about 28 miles long, and concrete and earth dam 62' x 385' x 100'. Est. cost of works, $2,500,000.

(Alpine, Amador and Eldorado Counties) Permit No. 995, Western States Gas and Electric Company, Stockton, California, 4000 acre ft. per annum from Medley Lake, Eldorado County, 17,000 acre ft. per annum from Twin Lakes, Alpine County; 20,000 acre ft. per annum from Silver Lake, Amador County; 25,000 acre ft. per annum at Alder Creek Reservoir, Eldorado County; and 6000 acre ft. per annum at Plum Creek Reservoir, Eldorado County; tributaries of South Fork of American River, (being a total of 72,-000 acre ft per annum to be collected between January 1st and December 31st of each season) for power purposes. Total amount of power to be developed 110,143 T. H. P. Diversion works: Same as those described under Permits 993 and 994.

HUGE FARM PROJECT INVOLVES RAILROAD CONSTRUCTION

Construction of a pre-cooling plant for shipping of grapes, to cost $1,500,-000, building of a railroad at least seven miles long from the Southern Pacific line at Edison Station southward, and intensive cultivation of 3,-400 acres in table grapes and deciduous fruits are features of a $4,000,000 farm development project in the Weed Patch, fifteen miles southeast of Bakersfield, are announced by Joseph Di-Giorgio, president of the Di-Giorgio Farms Company.

The company already has planted 2,700 acres in table grapes, apricots, plums and cantaloupes. All but about 500 acres of the big tract will be put in grapes. Fifty miles of irrigation pipe lines trenches, fed by nine deep wells have been installed on the property, according to Chas Rayburn, superintendent for the company.

The pre-cooling plant, to measure 528 feet square, will be used to chill early grapees before placing them into iced cars for shipment to Eastern markets, a treatmeent that insures perfect condition for the transcontinental shipment.

The refrigeration plan in the plant will be an ammonia pipe system. The pre-cooling plant and railroad will be completed within two years.

British Columbia shiped 101,604,256 ft of lumber during the first eight months of 1921.

Official Membership Directory

Builders' Exchange of Alameda County

351 TWELFTH STREET, OAKLAND

Phone: Lakeside 6750

Officers:

W. E. Whalin, President
E. M. Tilden, First Vice-President
Sam D. North, Second Vice-President
L. C. Fraser, Treasurer
Wm. E. Hague, Secretary-Manager

ARCHITECTURAL SCULPTORS
Ferrero, F.
Giovenone, E.
Lachmund, Otto
Oakland Ornamental Composition Works
Woods, J. P.

AWNINGS
Kronke Tent & Awning Co.

BLACKBOARDS
Simpson, W. C.

BONDS & INSURANCE
Clay, Hotchkiss & Schroeter
Nash, E. H., & Son.
Rogers, G. Wilbur
Spengler & Fraser
Taylor, A. J. & Co.
Federal Mutual Liability Insurance Co.

BRICK CONTRACTORS
Allen, C. J.
Baccus, W. J.
Beckwith, Herbert
Beebe, Thomas D.
Chubb, C.
Devilers, J.
Grot, Leo A.
Knudsen, P. C.
McPherson, S.
Mortensen, W.
Powell, J. W.
Lule, J. W.
Thomsen, John
Townsend, C. H.
Trottier, A. H.
White & Gloor

BRICK (Crushed)
Hidecker, G. C.
Goodmundson, A. K.

BRICK DEALERS AND MANUFACTURERS
California Brick Co.
Gladding McBean Co.
Livermore Fire Brick Works, W. B. Rue, Oakland Representative
Lemillard Brick Co.
United Materials Co.

BUILDERS' HARDWARE
Emeryville Hardware Co.
Maxwell Hardware Co.

BUILDING MATERIALS
Powell Lime & Cement Co., Henry
Contra Costa Bldg. Material Co.
Drummond, J. A.
Holmes Lime & Cement Co.
Oakland Bldg Material Co.
Oakland Lime & Cement Co.
Pacific Lime & Plaster Co.
Powell Brothers
Rhodes-Jamieson Co.
Rosenberg Co.
Tenney, E. P.
Truscon Steel Co.

BUILDING SPECIALTIES
Bayer Mfg. Co.
Chas. Christensen Co.
Duraxo Mfg. Co.
Fernald Co., The
The General Fireproofing Co.
Gunn Carle Co.
Hidecker Brick Co.
Holbrook Merrill & Stetson (H. Soloman, Rep.)
Holmes, A. S.
Jager, H. E. (Decora Paint Sprays)
Moon, Wm.
Truscon Steel Co.
United States Gypsum Co.
Waterhouse-Wilcox Co. (Heaters)

CABINET WORKS
Bay City Cabinet Co.
Kulchar, S.

CANVAS DECKS AND COVERS
Kronke Tent & Awning Co.

CEMENT CONTRACTORS
Austin, F. H.
Cattucl, J.
Cotterill, Geo. W.
Doty, E.
Fitzmaurice, J. H.
Glynn & Kuys
Jepson Bros.
Lindstrom, N. J.
Langland, Henry
Lopes, M. A.
Malone, R. C.
Moller, F. D.
McNaughton, J. A.
Nelson, F. E.
Oakland Concrete & Terrazzo Co.
Reed, Jesse Edward
Riechel & Bredhoff
Rasmussen, L. M.
Schnoor Bros.
Salamid, F.
Western Constr. Co. of Alameda County
Williams, Harry B.
Sorenson, H. F., & Son

CEMENT DEALERS & MANUFACTURERS
Henry Cowell Lime & Cement Co.
Holmes Lime & Cement Co.
Old Mission Portland Cement Co.
Pacific Portland Cement Co.
Santa Cruz Portland Cement Co.
(Also see Building Materials.)

COMPOSITION FLOORS
Binker & Oellerick
California Flooring Co.
Fibrestone & Roofing Co.
Goodmundson, A. K.
Petrium Sanitary Sink Co.

CONCRETE CONTRACTORS
See Cement Contractors.

CONTRACTORS AND BUILDERS
Bartlett, John M.
Baccus, Wm. J.
Barrett & Hilp
Bertelsen, S. J.
Burritt & Shealey
Butterfield, F. P.
Cahill Brothers
Christensen & Son, C.
Cederborg, A.
Conner & Conner
Corbett & Bayliss
Daugaard, S. B.
Etherton, E. E. Co
Ernsberger, F. A.
Fletcher, C.
Gede, Victor R.
Graff, E. C.
Hambleton, Fred
Heyer, Chas. W., Jr.
Hendricks, A. T.
Hillen, R. C.
Hopper & Son, M. E.
Holland, W. J.
Hollenbeck G. B.
Jackson, S. G.
Jones, Horace D. Jr.
Jones, W. P.
Kennedy, F. F.
Koller, Karl S.
Lawton & Vezey
Littlefield, R. W.
Long Co., Roy O.
Lucas, Lawrence L.
McDonald & Kahn
McGinty, W. G. & Sons
McNaughton, J. A.
McPhee, A. J.
Maganini, J. F.
Mayhorn, B. F.
Morton, Mathew
Murch, Walter
Nelson, H. P.
Nelsen & Conrad
Noble, G. H.
Olson, Alfred
Palmer, P. A.
Pearson, G. A.
Peterson, Alfred
Perona, Jno.
Peppin, John B.
Peterson, J. B.
Peterson, Wm. A.
Pearson, Ben
Pedgrift, James
Perry, L. V.
Person, Emil
Peters & Hodgins
Pitman, Harry M.
Rich, James L.
Rose, A. H.
Rose, Mervin P.
Sellman, C. G., Constr. Co., Inc.
Scott, G. A.
Schwalm, Harry
Sommarstrom Bros.
Sommer & Co., I. M.
Sprague, J. E.
Texdahl, C.
Thornalley, W. G.
Vaughan, John
Vaughn, M. C.
Villadsen Bros., Inc.
Warren, C. H.
Warner, S. A.
Westlund, Fred J.
Whalin, W. E.
Wieben, A. C.
Williams, Geo. A.
Williams, Harry B.
Wilson, Leslie R.
Woolley, B. F.

CONTRACTORS' MACHINERY
Bacon Co., Edward R.
Harron, Rickard & McCone

CORNICE WORKS
Bay Engineering Co.
City Cornice Co.
Dickson & Holbrook
Fluren & Arneson
Golden Co., Dow C.
McDonald & Moore
Pacific Metal Products Co.
Yager Sheet Metal Co.

CRUSHED ROCK
Rhodes-Jamieson
Oakland Building Material Co.
Contra Costa Building Material Co.
Powell Brothers
Tenney, E. P.

DAMP PROOFING
See Roofing Contractors.

DEAFENING FELT
Chas. Christensen Co.
Emeryville Hardware Co.
Maxwell Hardware Co.
The Paraffine Cos., Inc.

DRAIN BOARDS
California Flooring Co.
Petrium Sanitary Sink Co.

DRAYAGE
Bartram, R. W.
Maddox & Co., Benj. H.

ELECTRICAL CONTRACTORS
Advance Electric Co.
Boynton & Reed
King's Electrical Co.
Piedmont Electric Co.
Robert's Mfg. Co.
Spencer Electric Co.
Stanford, D. C.

ESTIMATOR
Barry, Frank
Priddle, Arthur

EXCAVATING
Ariss-Knapp Co.
Bartram, R. W.
Bates & Boreland
Hauser, W. H.
Kopperud & Heafey
Maddox & Co., Benj. H.

FIXTURES (Built-In)
Built-In Fixture Co.

FURNACES
Bay Engineering Co.
Dickson & Holbrook
Doell, C. T.
Fluren & Arneson
Frieze, Frank
McDonald & Moore
Nottingham, W. K.
Pac. Metal Products Co.
Waterhouse & Wilcox (Caloric)
Mork, Walter (Vassal & Mueller)
Rotary Oil Burner Co.

FURRING & LATHING
Buseck, Chas.
McTeer & Stevens
Garcia, W. R.

GLASS AND GLAZING
Cobbledick-Klibbe Glass Co.
Downey Glass & Paint Co.
Fuller, W. P., & Co.

GRADING
Ariss-Knapp Co.
Bartram, R. W.
Bates & Boreland
Cattucl, J.
Hauser, W. H.
Hutchinson Co.
Kopperud & Heafey
Tenney, E. P.

HARDWARE DEALERS
Emeryville Hdw. Co.
Maxwell Hardware Co.

HARDWOOD DEALERS
Strable Hardwood Co.

HARDWOOD FLOORS
Aronsen, H.
Mattson, C. J. A.
Royal Floor Co.

HAULING & TEAMING
Bartram, R. W.
Maddox & Co., Benj. H.

HEATING AND VENTILATING
Bay Engineering Co.
City Cornice Co.
Doell, C. T.
Fluren & Arneson
Frazee, L. D.
Frieze, Frank

Golden, Dow C., Co.
Johnson, A. O.
Nottingham, W. K.
Pacific Heating Co.
Pacific Metal Prod. Co.
Poulsen, Albert M.
Scott Co.

HEATING APPLIANCES
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Pacific Gas & Elec. Co.
Pac. Gas Appliance Co.

HOLLOW TILE
California Brick Co.
Livermore Fire Brick Co.
W. B. Rue, Oakland Rep.
Gladding McBean Co.

HOUSE MOVER
Henderson, H. B.

INSURANCE AND BONDS
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Nash, E. H., & Son
Spengler & Fraser
Taylor, A. J. & Co.

IRON WORKS (Structural)
Jansen Iron Works
Judson Mfg. Co.
Pacific Iron Works
Stobbe & Romak

IRON WORKS (Ornamental)
Frauneder, C.
Jansen Iron Works
Pacific Iron Works
Stobbe & Romak

LATHING & FURRING
Buseck, C.
Garcia, W. R.
McTeer & Stevens
Simons, H. J.

LATHING & PLASTERING
See Plastering Contractors

LIGHT & POWER
Great Western Power Co
Pacific Gas & Elec. Co.

LIGHTING FIXTURES
Maxwell Hardware Co.
Roberts Mfg. Co.

LIME, SAND AND CEMENT
See Building Materials.

LUMBER AND MILL WORK
Blackman Lumber Co., E. L.
California Door Co. (Mill Work)
Hunter Lumber Co.
Hunter, Vere W. (Representative of Lumber)
Hogan Lumber Co.
Lannom Bros. Mfg. Co.
National Mill & Lumber Co.
Oakland Planing Mill
Pacific Mfg. Co.
Sunset Lumber Co.
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E. K. Wood Lumber Co.

LUMBER (Wholesale)
Cal. & Ore. Lumber Co.

MAGNESITE
Binker & Oellerick
California Flooring Co.
Fibrestone & Roofing Co.
Petrium Sanitary Sink Co.
Waterhouse-Wilcox Co.

MANTELS AND TILE
Robt. Howden & Sons
Rigney Tile Co.
Scott Co. (floor tile)

MARBLE
Ray Cook Marble Co.

MASTIC FLOORS
Goodmundson, A. K.

METAL LATH
Fernald Co., The
General Fireproofing Co.
Truscon Steel Co.

MILL WORK
See Lumber and Mill Work

MIRRORS
Cobbledick-Kibbe Glass Co.
Downey Glass Co.
Fuller, W. P., & Co.

MORTAR (Ready Mixed)
Oakland Lime & Cement Co.

MOSAIC WORK
Howden, Robt. & Son.
Oakland Concrete & Terrazzo Co.
Rigney Tile Co.

MOTOR DRAYAGE
Maddox & Co., Benj. H.

ORNAMENTAL IRON
Frauneder, C.
Pacific Iron Works
Stobbe & Romak

PAINTING CONTRACTORS
Baker Co., W. T.
Berlin, Al
Burr & Sons
Blumert, W.
Devert, H.
Frieberg, C.
Johnson, Bert. T.
McManus, Harry
Neal Co., The
Nettleton, C. E.
Pollard, Jr., W. H.
Rutgers, B.
Smith & Seekins
Simmons & White
Sparwasser, Chas.
Stein, L. M.
Swedberg, V. E.
Dow, Harry R.
Turgeon, J. A.
Thomas, E. C.

PAINT, OIL AND VARNISHES
Bass-Hueter Paint Co.
Downey Paint & Glass Co.
Dow, Harry R.
Friedman Co.
Fuller, W. P., Co.
Nelson & Co., Chris.

PATENT CHIMNEYS
Bay Engineering Co.
City Cornice Co.
Fiuren & Arneson
Pacific Metal Prod. Co.

PHOTOGRAPHER (Commercial)
Holker, George F.

PLANING MILL
See Lumber and Mill Work.

PLASTERING CONTRACTORS
Austin, W. C.
Boyd F. Lindsey
Bodin, W.
Clausen, F.
Childers, H. A.
Dixon, Geo.
Ehinger, Michael
Glimme, T.
Hillam, A. J.
Lester, Geo. C.
Linville Bros.
Little, Wm. H.
Madsen, Peter C.
Makin, Wm.
Rule, J. W.
Rhody & Garcia
Sexton, T. D.
Thomsen, John

PLASTERING (Ornamental) OR PLASTER PARIS
Ferrero, F.
Giovenone, E.
Woods, J. P.

PLASTER NETTING
California Wire Cloth Co

PLUMBING CONTRACTORS
Catton, Thos. R.
Cruz, J. B.
Doell, C. T.
Eustice, John H.
Fearey Co., Al M.
Graham, W. H.
Nottingham, W. K.
Poulsen, Albert M.
Rankin, Jas., & Son
Scott Company
Picard, Wm. Henry

PLUMBING SUPPLIES
American Radiator Co.
Crane Co.
Kinney Co., R. W.
Mark Lally Co.
Stulsaft Co.
Tay, George H., Co.

PRINTING & RUBBER STAMPS
Dowdle Printing & Rubber Stamp Co.

RADIATORS
American Radiator Co.

REAL ESTATE AND LOANS
Austin Realty Co.

ROCK, SAND AND CEMENT
See Building Materials.

ROOFING CONTRACTORS
Bender, J. W., Roofing & Paving Co.
Brown, H. C., Roofing Co.
Bradhoff, P. F.
W. C. Simpson
Fibrestone & Roofing Co.
Goodmundson, A. K.
National Roofing Co.
Oakland Roofing Co.
Pacific Roofing Co.
Pac. Painting & Roofing Co.
Tyler, G. L.
Western Roofing Co.
Williams, C. G.

ROOFING MATERIALS
The Paraffine Cos. Inc.

ROOFING TILE
California Pottery Co.
Clark & Sons, N.
Drummond, J. A.
Fibrestone & Roofing Co.
Gladding McBean & Co.

SASH AND DOORS
California Door Co.
Waterfront Sash & Door Co.

SCREENS & SCREEN DOORS
California Door Co.
Simpson, W. C.

SEWER CONTRACTORS
John Geary's Sons

SEWER PIPE
Calif. Pottery Co.
Gladding McBean & Co.

SHEET METAL WORKS
Bay Engineering Co.
Bell, James L.
City Cornice Co.
Darling Metal & Pipe Works
Dickson & Holbrook
Fiuren & Arneson
Frieze, Frank
Golden Co., Dow C.
McDonald & Moore
Moeller, J. P.
Oakland Machinery Co.
Pacific Metal Prod. Co.
Yager Sheet Metal Wks.

SHEET METAL (Ship Work)
Golden, Dow C., Co.
McDonald & Moore

SIDEWALK LIGHTS
Waterhouse-Wilcox Co.

SINK BOARDS
Petrium Sanitary Sink Co.
Rigney Tile Co.
Swords, Allen B.

SKYLIGHTS
See Sheet Metal Works.
See Glass and Glazing.

SPRAYING CONTRACTORS
Machine Spray Paint Co.
Pneumatic Whitewash Co.

STAFF & STUCCO
Ferrero, F.
Giovenone, E.
Lachmund, Otto
Oakland Ornamental Composition Works
Woods, J. P.

STEAM HEATING
Bayo Engineering Co.
Doell, Carl T.
Frazee, L. D.
Graham, W. H.
Johnson, A. O.
Mork, Walter
Nottingham, W. K.
Rankin, James & Son
Scott Co.

STEEL
See Structural Works

STEEL—Reinforcing
Callahan & Morehouse
Gunn Carle Co.
Herrick Co., S. S.
Judson Mfg. Co.
Pacific Coast Steel Co.
Truscon Steel Co.
Wetenhall Co., W. S.

STEEL—Structural
Pacific Coast Steel Co.

STEEL ROLLING DOORS
Berger Mfg. Co.

STEEL SASH
General Fireproofing Co.
Truscon Steel Co.

STORE FIXTURES
Bay City Cabinet Co.

STORE FRONTS & METAL MOULDINGS
Cobbledick-Kibbe Co.
Kawneer Mfg. Co.

STREET CONTRACTORS
Bates & Boreland
Crummey, Hugh
Hutchinson Co.
Kopperud & Heafey

STRUCTURAL IRON WORKS
Herrick Co., S. S.
Jansen Iron Works
Judson Mfg. Co.

TEAMING
Bartram, R. W.

TENTS
Kronke Tent & Awning Co.

TERRA COTTA, SEWER & CHIMNEY PIPE
Calif. Pottery Co.
Clark & Sons, N.
Gladding McBean & Co.

TERRAZZO
See Mosaic Work.

TILE (Building-Hollow)
California Brick Co.
Clark & Sons, N.
Gladding McBean & Co.

TILE (Ceramic)
Brockhurst, Ed A.
Howden, Robt., & Son
Rigney Tile Co.
Scott Co.

TILE Manufacturers
Brockhurst, Edw. A.

TILE (Roofing)
Clark & Sons, N.
Gladding McBean & Co.
Fibrestone & Roofing Co.

TRUCKING
See Motor Drayage.

WALL BEDS
Rip Van Winkle Wall Bed Co.

WALL BOARD
Chas. Christensen Co.
The Paraffine Cos. Inc.

WALL PAPER HANGERS
See Painting Contractors.

WATER HEATERS
Pac. Gas Appliance Co.
Rotary Oil Burner Co.

WATERPROOFING
Duroxo Mfg. Co.
Fibrestone & Roofing Co.
General Fireproofing Co.
Gunn Carle Co.

WEATHERSTRIPPING (Metal)
Hagberg & Orttenblad

WHITEWASHING
Pneumatic Whitewashing Co.

WINDOWS
Kawneer Mfg. Co. (Simplex)
G. A. Shuster (Hauser)

WINDOW SCREENS
The Calif. Door Co.
Simpson, W. C.

WIRE CLOTH (Screen)
California Wire Cloth Co

WIRE PRODUCTS
California Wire Products Co.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

$1,000 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
1682	Mingst	Meinberger	10479
1683	Harter	Ahl	35000
1684	Phelan	McElroy	2000
1686	Riccardi	Owner	1000
1687	Arnott	Arnott	15209
1689	Sullivan	Bateman	14900
1691	Hemminga	Owner	40000
1692	Campbell	Feerick	6200
1693	Lewis	Hansen	5000
1694	Metropolitan	Gurnette	7750
1695	Crosscup	Rednall	11330
1696	Crozier	Hansen	11000
1697	Same	Same	9000
1698	Kahn	Collman	16000
1699	Pacific	Monson	19000
1701	Hind	Hind	12000
1702	Lippi	Sasso	756
1703	Same	Filippis	3375
1704	Same	Standard	339
1705	Sachau	Steinauer	7000
1706	McLain	Hansen	88100
1707	Childers	Hansen	6000
1708	Curry	Nelson	5800
1709	Gorfinkel	Irvine	13000
1710	Bammann	Freye	3198
1713	West	Tercanova	2000
1717	Baromeo	Wengard	4150
1718	Sorensberg	Voorhies	6000
1719	Voorhies	Owner	12000
1722	Nagel	Leslie	4000
1724	Biggs	Owner	1000
1725	Carlson	Owner	4000
1727	Waters	Segurson	8500
1728	Markgraf	Moran	3300
1729	Tollini	Owner	12000
1730	Divisadero	Am. Cone	18000
1731	Schneider	Owner	10000
1732	Schmidt	Owner	6000
1733	Rousseau	Owner	110000
1734	Crosscup	Rednall	11330
1735	S. P. Co.	Quandt	4306
1736	McHugh	Hamill	13400
1737	Fitzpatrick	Hamill	5000
1738	Biombo	Dempniak	10000
1739	Christman	Little	10700
1740	Yates	McCook	350
1741	Herbert	Olsen	4250
1742	West	Olsen	4250
1743	Russell	Nelson	6015
1744	Hicks	Nelson	5298
1745	Wolf	McIntosh	8000
1746	Taylor	Storheim	7000
1748	Nopper	Erickson	1500
1749	McLeod	McIntosh	22000
1751	Kortick	Owner	5860
1752	Schulken	Owner	10000
1753	Moneis	Arnott	19000
1754	Virgilio	—	12500
1755	Levin	Pasquaretti	35000
1756	Hale	MacDonald	30000
1757	Niedt	King	30000
1760	Heyman	Owner	2500
1761	Same	Same	5000
1762	Same	Same	6000
1763	Starling	Olsen	4310
1764	Bricca	Farnecchia	6940
1765	McKewen	Hannah	—
1766	Madden	Nelson	6490
1767	Duboscett	Meritt	1800
1769	Lorio	Martinelli	17500
1771	Monroe	Black	1000
1773	Gullmet	Owner	2500
1774	Bietz	Bietz	2950
1775	Herger	Sandberg	8400
1777	Harrel	Owner	2000
1778	Mancia	Owner	9000
1779	Kapper	Murcany	13000
1780	Pac T & T	Monson	19781
1781	Tray	Anderson	25510
1782	Standard	Drew	3743
1783	Herger	Sandberg	8400
1784	Campergue	Fink	18000
1785	Beardmore	Rednall	6000
1786	Lippi	Zelinsky	635
1787	Peterson	Carlson	12350
1788	McCain	Ellingson	16400
1789	Waters	Segurson	8500
1790	Lager	Anderson	30000
1791	Neilan	Owner	3000
1792	Siehel	Wengard	7500
1793	McLearie	Owner	800
1794	McLearie	Owner	900
1795	Berendsen	Warden	4000
1796	Berendsen	Warden	4000
1797	Perkins	Johnson	25000
1798	Perkins	Johnson	25000
1799	Perkins	Johnson	25000
1800	Perkins	Johnson	25000
1801	Perkins	Johnson	75000
1802	Eyre	Taylor	750
1803	Rich	Owner	6000
1804	Blanckenburg	Do	24000
1805	Hess	Owner	1800
1806	Rosenberg	Strand	6000
1807	Zimet	Strand	6000
1808	Nichols	Owner	7000
1809	Anderson	Owner	11600
1810	Morgan	Owner	3500
1811	Nissin	Owner	12000
1812	Liebman	Owner	14000
1813	Stahl	Weismann	2500
1818	Conolly	Barrett	12500
1819	Foley	Hamill	13500
1820	Dittmann	Ernst	2550
1821	Same	Hansen	18400
1822	S. F. News	West Iron	10450
1823	Same	Nielsen	8135
1824	Seike	Beach	4265
1825	McCullough	Beach	4265
1826	Kkretzschmar	Terry	10140
1827	McLeod	McIntosh	16016
1828	Same	Norman	1300
1829	Same	Ahlbach	1940
1830	Same	Globe	1030
1831	Moeller	Meyer	4300
1832	Gray	Meyer	4300
1833	Hebrew Home	O'Reilly	34939
1834	O'Shea	Knabenshu	4000

FRAME FLATS
(1682) N GROVE 131-3 E Clayton. Two-story and basement frame (2) flats.
Owner—Chris. H. Mingst, 79 Scott St., San Francisco.
Architect—None.
Contractor — Herman S. Meinberger, 5720 California St., S. F. $10,479

FRAME FLATS
(1683) N GEARY 66 and 120 W Parker Ave. Two two-story and basement frame (4) flats (4 flats in each building.)
Owner—T. D. Harder, 77 O'Farrell St. San Francisco.
Architect — Alfred Kuhn, 833 Market St., San Francisco.
Contractor—G. E. Ahl, 1237 2nd Ave., San Francisco. $17500 each

ALTERATIONS
(1684) S MARKET 100 E Seventh St. Construct mezzanine floor, stairway and build two toilets (hotel)
Owner—James D. Phelan, 603 Phelan Bldg. San Francisco.
Architect—Arthur G. Scholz, 839 Phelan Bldg., San Francisco.
Contractor—R. D. McElroy, 607 Phelan Bldg., San Francisco. $2000

ALTERATIONS
(1686) NO. 308 SPRUCE Remodel attic and enlarge rooms in residence.
Owner—Maria O. Riccardi, 344 Spruce St., San Francisco.
Architect—None.
Day's work. $1000

DWELLINGS
(1687) W THIRTY-FIRST AVE 180, 210, 240 and 270 N Irving. Four one-story and basement frame dwellings.
Owner—Jas. A. Arnott, 230 Granville Way, San Francisco.
Architect—None.
Contractor—Jas. Arnott & Son, 235 Granville Way, San Francisco. $3800 each

GARAGE
(1689) E VALENCIA 90 S Twenty-first. One-story and basement reinforced concrete garage.
Owner—Judge Matt. I. Sullivan, Humboldt Bank Bldg., S. F.
Architect—None.
Supt. of Constr.—J. C. Bateman, 2303 Bush St., S. F. $14,900

RESIDENCES
(1691) W HEMWAY TERRACE 108-4, 141-8, 175, 208-4 and 241-8 N Fulton Five two-story and basement frame residences.
Owner—W. L. Hemminga, 47 Ashbury St., San Francisco.
Architect—None.
Day's work. $8000 each

DWELLING
(1692) W SIXTH AVE 100 N Geary. Two-story and basement frame dwelling.
Owner — Catherine I. Campbell, 1101 Kansas St., San Francisco.
Designer—B. Feerick, 253 Downey St., San Francisco.
Contractor—B. and P. J. Feerick, 253 Downey St., San Francisco. $6200

FRAME FLATS
(1693) W TWELFTH AVE 150 S Geary. Two-story and basement frame (2) flats.
Owner—Aaron Lewis, 1605 Chronicle Bldg., San Francisco.
Architect—Morrow & Garren, 1065 Caronicle Bldg., San Francisco.
Contractor—P. Hansen, 1605 Chronicle Bldg., San Francisco. $5000

PAINTING, ETC.
(1694) NO. 600 STOCKTON. Painting and decorating of 1st floor ceiling.
Owner — Metropolitan Life Insurance Co., Premises.
Architect—J. R. Miller, Lick Bldg., San Francisco.
Contractor — Gurnette & Chandler, 51 Beaver St., San Francisco.
Filed Apr. 21, '22. Dated Apr. 20, '22.
On 5th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $7750
Bond, $2875. Sureties, Sylvester R. Dannenbaum and Geo. G. Molema. Limit, 43 days. Forfeit, none. Specifications only filed.

FRAME FLATS
(1695) N FILBERT 125 E Baker E 28-9 N 36° 54' W 15-10 N 106-5 W 32 S 120. All work for two-story frame flats.
Owner—Georgina Crosscup, wf. I. O.
Plans by Contractor.
Contractor—W. W. Rednall, 2500 Filbert St., San Francisco.
Filed Apr. 21, '22. Dated Apr. 21, '22.
Frame up and rustic on..... $2835
1st coat plaster on..... 2830
Completed and accepted..... 2830
Usual 35 days..... 2835
TOTAL COST, $11,330

Bond, $5700. Sureties, T. V. Freese and W. P. Holmes. Limit, 100 days. Forfeit, $3. Plans and specifications filed.

DWELLINGS
(1696) NE CABRILLO AND THIRTY-sixth avenue and E Cabrillo 95 E 36th Ave. Two one-story and basement frame dwellings.
Owner—S. W. Crozier, 165 Sutter St., San Francisco.
Architect — J. C. Hladik, Monadnock Bldg., San Francisco.
Contractor—F. L. Hansen, 251 Kearny St., San Francisco.
$6,500 and $4,500 respectively

DWELLINGS
(1697) E THIRTY-SIXTH AVE 35 and 65 N Cabrillo. Two one-story and basement frame dwellings.
Owner—S. W. Crozier, 165 Sutter St., San Francisco.
Architect — J. C. Hladik, Monadnock Bldg., San Francisco.
Contractor—F. L. Hansen, 251 Kearny St., San Francisco. $4500 each

FRAME FLATS
(1698) NW LAKE AND TWELFTH Ave. Two-story and basement frame (2) flats.
Owner—Louis Kahn, Hearst Bldg., San Francisco.
Architect — Houghton Sawyer, Hearst Bldg., San Francisco.
Contractor—Collman & Speidel, 548 Monadnock Bldg., San Francisco.
$16,000

DINING ROOM, ETC.
(1699) NO. 450 FIFTH AVE. Two-story frame dining room and locker rooms.
Owner—Pacific Tel. & Tel. Co., 333 Grant Ave., San Francisco.
Architect—Eng. Dept. of Owner.
Contractor—Monson Bros., 251 Kearny St., San Francisco. $19,000

DWELLINGS
(1701) S CHENERY AND ROANOKE and SE Chenery 28-3, 56-6 and 34-9 W Roanoke. Four one-story and basement frame dwellings.
Owner—Alfred E. Hind, % Architect.
Architect—W. G. Hind, 3885 Webster St., Oakland.
Contractor — Harry W. Hind, 1822 Hearst Ave., Oakland. $3000 each

PLUMBING
(1702) N CHESTNUT 109-9½ W Van Ness Ave. Plumbing for two-story frame building.
Owner—D. O. Lippl, 2340 Union St., San Francisco.
Architect—Italo Zanolini, 604 Montgomery St., San Francisco.
Contractor—Frank Sasso, 558 Vallejo St., San Francisco.
Filed Apr. 22, '22. Dated Apr. 19, '22.
Piping and fixtures roughed in..$378
Accepted 189
Usual 35 days..... 189
TOTAL COST, $756
Bond, $378. Surety, Fidelity & Deposit Co. of Maryland. Limit, 90 days. Forfeit, none. Plans and specifications filed.

(1703) ALL WORK EXCEPT PLUMBing, electrical work, heating, painting, finish hardware, wall paper, light fixtures and shades on above.
Contractor—V. Filippis, 957 Union St., San Francisco.
Filed Apr. 22, '22. Dated Apr. 19, '22.
Roof completed $2093
Brown coat plaster on..... 2093
Completed and accepted 2093
Usual 35 days..... 2096
TOTAL COST, $8375
Bond, $4200. Surety, Republic Casualty Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

(1704) ELECTRIC WORK ON ABOVE
Contractor—Standard Elec. Constr. Co., 89 Natoma St., San Francisco.
Filed April 22, '22. Dated Apr. 19, '22
Wiring completed .....$ 82
Accepted 165
Usual 35 days..... 82
TOTAL COST, $330
Bond, $150. Surety, Fidelity & Deposit Co. of Maryland. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(1705) W STEINER 82-6 N Oak 55x137-6 (No. 507 Steiner St.) Remodel two-story residence for apartments (4 3-room and bath and 3 2-room and bath).
Owner—Ella Sachau, Premises.
Architect — J. C. Hladik, Monadnock Bldg., San Francisco.
Contractor — S. Steinauer, 109 Cornwall St., San Francisco.
Filed Apr. 22, '22. Dated Apr. 12, '22
Roughed in $1750
Brown coat plaster on..... 1750
Remodeling finished 1750
Usual 35 days..... 1750
TOTAL COST, $7000
Bond, $3500. Sureties, Wm. Britt and Elizabeth Ruegg. Limit, 60 days. Forfeit, $15. Plans and specifications filed

BUNGALOW
(1706) E PLYMOUTH AVE Lot 12, Pin Lot 13 Blk 3109, Westwood Park. All work for one-story and basement frame bungalow.
Owner—Ida F. McCain, 318 Kearny St., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Contractor — Walter E. Hansen, 2235 Market St., San Francisco.
Filed Apr. 22, '22. Dated Mar. 17, '22
Frame up and enclosed.....$2025
Brown coat plaster interior and exterior 2025
Completed and accepted..... 2025
Usual 35 days..... 2025
TOTAL COST, $8100
Bond, $4050. Sureties, Albin Warden and H. J. Hansen. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BUNGALOW
(1707) LOT 27 BLK 2888, Claremont Court. All work for one-story and basement frame bungalow.
Owner—Geo. T. and Petronilla A. Childers, 2235 Mission St., S. F.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Contractor — Walter E. Hansen, 2235 Market St., San Francisco.
Filed Apr. 22, '22. Dated Mar. 20, '22.
Frame up and enclosed.....$875
Brown coat plaster on interior and exterior..... 875
Completed and accepted..... 875
Usual 35 days..... 875
Balance of contract price represented by Promissory note and deed of trust executed by owner to the contractor.....2500
TOTAL COST, $6000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BUILDING
(1708) LOT 18 BLK. 3138, Westwood Park. All work for a one-story and basement frame building.
Owner—C. Eugene Curry, Palo Alto.
Architect—Charles F. Strothoff, 2274 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Apr. 22, '22. Dated Mar. 16, '22
Frame up and enclosed $1450
Interior and exterior brown coated 1450
Completed and accepted..... 1450
Usual 35 days..... 1450
TOTAL COST, $5,800
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BUILDING
(1709) W NINTH AVE. 200 N Fulton. All work for a two-story and basement frame building.
Owner—Meyer Gorfinkel and Elizabeth Gorfinkel, 4038 California St., San Francisco.
Architect—Wm. K Irvine, 1387 Hayes St., San Francisco.
Contractor—Wm. K. Irvine, 1387 Hayes St., San Francisco.
Filed Apr. 22, '22. Dated Apr. 11, '22
Roof rafters in place.....$2500
Brown coated 2500
Standing finish set 2500
Completed and accepted..... 2250
Usual 35 days..... 3250
TOTAL COST, $13,000
Bond, $6500. Surety, Fidelity & Deposit Co. of Maryland. Limit, 100 days. Forfeit, $5 day. Plans and specifications, none.

ALTERATIONS AND ADDITIONS
(1710) NO. 385 SHOTWELL (E Shotwell, N 18th). Alterations and additions for 2-story and basement residence for 2 flats, except light fixtures, shades and wall paper.
Owner—F. H. Bammann, 236 Rolph St., San Francisco.
Architect—E. A. Neumarkel, 544 Market St., San Francisco.
Contractor—Fred Freye, 131 Charles St., San Francisco.
Filed Apr. 22, '22. Dated Apr. 22, '22
Porch and stairs built and interior ready for plaster.....$1100
Completed and accepted..... 1298
Usual 35 days..... 800
TOTAL COST, $3,198
Bond, none. Limit, 45 days. Forfeit, none. Plans and specifications filed.

DRESSING ROOM
(1713) NE BALBOA AND GREAT Highway. Two-story frame dressing room.
Owner—Jack West, King Hotel, 6th St. San Francisco.
Architect—None.
Contractor — G. Tereanova 185 Ellsworth St., San Francisco. $2000

DWELLING
(1717) E FORTY-FIFTH AVE 300 S Judah. One-story and basement frame dwelling.
Owner — H. Baromeo, 1335 45th Ave., San Francisco.
Architect—None.
Contractor—C. Wengard, 1286 34th Ave. San Francisco. $4150

FRAME FLATS
(1718) E FIFTEENTH AVE 264 S Anza Two-story and basement frame (2) flats.
Owner—Alfred Sonnenberg, 1625 Washington St., San Francisco.
Architect—None
Contractor—W. R. Voorhies, 50 Divisadero St., San Francisco. $6000

FRAME FLATS
(1719) W FOURTEENTH AVE 364-389 S Anza. Two two-story and basement frame (2 in each) flats.
Owner—Voorhies-Newman Co., 50 Divisadero St., San Francisco.
Architect—None.
Day's work. $6000 each

DWELLING
(1722) N LIELIC 125 E San Jose Ave. One-story and basement frame dwelling.
Owner—Paul Nagel, 71 Regent St., San Francisco.
Architect—R. R. Irvine, 507 Call Bldg., San Francisco.
Contractor—Leslie & Shoup, 116 Miramar Ave., San Francisco. $4000

ALTERATIONS
(1724) NO. 730 LARKIN. Plaster interior of store; covering floor; replace show windows; painting, etc.

Owner—R. C. Biggs and A. C. Norton, 1385 47th Ave., San Francisco.
Architect—None.
Day's work. $1000

DWELLING
(1725) N ROLPH 103 E Naples. One-story and basement frame dwlg.
Owner—John Carlson, 31 Rivoli St., San Francisco.
Architect—None.
Day's work. $4000

FLATS
(1727) W SCOTT 100 S O'Farrell. Two-story and basement frame (4) flats
Owner—P. T. Waters, 2754 17th St., San Francisco.
Architect—None.
Contractor—Wm. R. Segurson, 625 Waller St., San Francisco. $8500

DWELLING
(1728) W TWENTY-SEVENTH AVE. 185 N Cabrillo. One-story and basement frame dwelling.
Owner—A. Markgraf, 2476 Post St., San Francisco.
Architect—None.
Contractor—Harry Moran, 778 10th Ave. San Francisco. $3300

FRAME FLATS
(1729) S VALLEJO 165 W Leavenworth. Two-story and basement frame (2) flats.
Owner—A. Tollini, 425 Kearny St., San Francisco.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.
Day's work. $12,000

GARAGE
(1730) W DIVISADERO 50 S Bush Two-story concrete public garage.
Owner—Divisadero Street Invst. Co., % Contractor.
Plans by Owner.
Contractor—American Concrete Co., 785 Market St., San Francisco. $18,000

FRAME DWELLING
(1731) E TWENTY-SEVENTH AVE 175 N Geary. Two-story and basement frame dwelling.
Owner—C. A. Schneider, 62 Lynch St., San Francisco.
Architect—None.
Day's work. $10,000

FRAME FLATS
(1732) W CHURCH 57 N Twenty-sixth. Two-story and basement frame (2) flats.
Owner—Paul Schmidt, 5 Coso Ave., San Francisco.
Architectural Designer—O. E. Evans, 2569 Mission St., San Francisco.
Day's work. $6000

STORES, ETC.
(1733) S MARKET 330 W Seventh. Three-story and basement steel frame stores and offices.
Owner—A. F. Rosenbaum, 110 Sutter St., San Francisco.
Architect—D. C. Coleman, 110 Sutter St., San Francisco.
Day's work $110,000

FRAME FLATS
(1734) N FILBERT 125 E Baker Two-story and basement frame (2) flats
Owner—Gottfried Crosscup, 2823 Broderick St., San Francisco.
Plans by Contractor
Contractor—W. W. Rodnell, 2500 Filbert St., San Francisco. $11,330

PAINTING, OFFICE BLDG.
(1735) MARKET—MISSION AND Spear Painting exterior of general office building and annexes A and B.
Owner—Southern Pacific Co.
Architect—None.
Contractor—A. Quandt & Son, 180 Jessie St., San Francisco.

Filed Apr. 24, '22. Dated Apr. 24, '22.
On close of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $4300
Bond, $3230. Surety, New Amsterdam Casualty Co. Limit, 40 days. Forfeit, none. Plans and specifications filed.

STORE AND FLAT BLDGS.
(1736) S GEARY — W Twenty-first Ave W —xS 100. All work for two two-story store and flat buildings.
Owner—Felix McHugh, 1362 12th Ave., San Francisco.
Architect—None.
Contractor—Thos. Hamill, 6140 Geary St., San Francisco.
Filed Apr. 24, '22. Dated Aug. 17, '22.
Roof boards on.....$3350
Brown coated 3350
Completed and accepted..... 3350
Usual 35 days..... 3350
TOTAL COST, $13,400
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

FRAME BUNGALOW
(1737) N FRANCISCO 87-6 E Gough E 25x100. All work for one-story and basement frame bungalow.
Owner—Austin C. and Maxea A. Fitzpatrick, 6140 Geary St., S. F.
Architect—None.
Contractor—Thos. Hamill, 6140 Geary St., San Francisco.
Filed Apr. 24, '22. Dated Apr. 17, '22.
Rough frame up and roof boards on $1250
Brown coated 1250
Completed 1250
Usual 35 days 1250
TOTAL COST, $5000
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

FRAME BLDG.
(1738) W DIVISADERO 50 N Bush N 50xW 100. All work for two-story frame building with one-story coal yard in rear.
Owner—S. and L. Piombo, Premises.
Architect—None.
Contractor—Michael Dempniak, 355 Octavia St., San Francisco.
Filed Apr. 24, '22. Dated Apr. 12, '22.
Concrete foundations in.....$1000
2nd floor joists in..... 1500
Frame up and roof boards on.. 1000
Brown coated 1500
Standing finish on..... 1000
Completed and accepted..... 1500
Usual 35 days..... 2500
TOTAL COST, $10,000
Bond, limit, forfeit, none. Plans and specifications filed.

FRAME FLATS
(1739) W TWENTY-FIRST AVE 135 N Fulton N 25xW 120. All work for two-story and basement frame flats
Owner—George and Charlotte Christman, 1586 9th Ave., S. F.
Architect—Milton Morrison, 716 41st Ave., San Francisco.
Contractor—John Little & Son, 1035 Lincoln Ave., San Francisco.
Filed Apr. 24, '22. Dated Apr. 20, '22.
Frame up 2675
Brown coated 2675
Completed and accepted..... 2675
Usual 35 days..... 2675
TOTAL COST, $10,700
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(1740) SE CLAY AND WASHINGTON 68-9 on Larkin and 100 on Washington. Removal of concrete retaining wall from S line of property and back fill behind new wall.
Owner—E. E. Yates
Architect—H. Donegan, O'Brien Bros., Inc., 333 Kearny St., S. F.
Contractor—J. J. McCook.
Filed Apr. 24, '22. Dated Mar. 31, '22.
April 4, 192.....$175
April 14, 1922..... 175
TOTAL COST, $350
Bond, none. Limit, 5 days. Forfeit, none. Plans and specifications, none.

BUNGALOW
(1741) LOT 24 BLK J, Mission Terrace. All work for one-story frame bungalow.
Owner—Paul L. and Lizzie H. Herbert.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Olaf Olsen, 14 Montezuma St., San Francisco.
Filed Apr. 24, '22. Dated Mar. 28, '22.
Frame up $762.50
Brown coated 762.50
Completed and accepted..... 762.50
Usual 35 days..... 762.50
TOTAL COST, $4250.00
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BUNGALOW
(1742) LOT 23 BLK J Mission Terrace. All work for one-story frame bungalow
Owner—Henry A. and Beulah H. West, 1325 Masonic Ave., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Olaf Olsen, 14 Montezuma St., San Francisco.
Filed Apr. 24, '22. Dated Mar. 28, '22.
Frame up $762.50
Brown coated 762.50
Completed and accepted..... 762.50
Usual 35 days..... 762.50
TOTAL COST, $1250.00
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BUNGALOW
(1743) LOT 9 BLK 3161, Westwood Park. All work for one-story and basement frame bungalow and garage.
Owner—Roy C. and Viola P. Russell.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor — Hans Nelson, 1375 Plymouth Ave., San Francisco.
Filed Apr. 24, '22. Dated Mar. 24, '22.
Enclosed $887.50
Brown coated 887.50
Completed and accepted..... 887.50
Usual 35 days..... 887.50
Balance, $2165, to be paid by Note secured by Deed of Trust.
TOTAL COST, $6015.00
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1744) S FLOOD AVE 137 E Hazelwood being Pin. Lots 20 and 21 Blk. 3138, Westwood Park. All work for one-story and basement frame dwelling.
Owner—George W. and Gertrude R. Hicks, 3110 Clay St., S. F.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor — Hans Nelson, 1375 Plymouth Ave., San Francisco.
Filed Apr. 24, '22. Dated Apr. 6, '22.
Enclosed $961.96
Brown coated 961.96
Completed and accepted..... 961.96
Usual 35 days..... 961.97
TOTAL COST, $5297.85
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed...
NOTE—Permit reported Apr. 18, 1922 No. 1599.

RESIDENCE
(1745) SANTA ANA AVE., bet. St Francis Blvd and Portola Drive being Lot 9 Blk 10, St. Francis Wood. All work for two-story and garage frame residence.
Owner—Jeanette M. Wolf, 911 1st National Bank Bldg., S. F.
Architect—L. A. Bryant, 38 6th Ave., San Francisco.
Contractor—McIntosh Bros., 180 Jessie St., San Francisco.
Filed Apr. 24, '22. Dated Apr. 18, '22.
Frame up $2000
Brown coated 2000

Completed and accepted..... 2000
Usual 35 days..... 2000
TOTAL COST, $8000
Bond, $4000. Sureties, Wm. Smith and Theo. De Pass. Limit, 90 days after April 17, 1922. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported Apr. 18, 1922 No. 1614.

FRAME FLATS
(1746) S ANZA 115 E Seventeenth Ave. Two-story and basement frame (4) flats.
Owner—Max Taylor.
Architect—C. O. Clausen, 1126 Hearst Bldg., San Francisco.
Contractor—N. P. Storheim, 201 Caselli Ave., San Francisco. $7000

DWELLING
(1748) SE CHENERY 50 NE Mateo One-story and basement frame dwelling.
Owner—E. Nopper, 224 Miguel St., San Francisco.
Plans by Owner.
Contractor—H. Erickson, 105 Miguel St., San Francisco. $1500

APARTMENTS
(1749) NW HERMAN & BUCHANAN. Two-story and basement frame (3) apartments.
Owner—Mary J. McLeod, % Architect.
Architect—Frederick H. Meyer and Albin Johnson, 742 Market St., San Francisco.
Contractor—McIntosh Bros., 180 Jessie St., San Francisco. $22,000

RESIDENCE
(1751) W SAN LEANDRO WAY 55 N St. Francis Blvd. Two-story and basement frame residence.
Owner—John C. Kortick, 327 1st St., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Day's work. $5860

FLATS
(1752) W ARGUELLO BLVD. 110 S Hugo. Two-story and basement frame (2) flats.
Owner—R. Schulken, % Architect.
Architect—Mel. I. Schwartz, Nevada Bk. Bldg., San Francisco.
Day's work. $10,000

RESIDENCES
(1753) S FLOOD AVE 85, 115, 145, 175, 205, 235, 265, 295, 325, 355, 385, 415, 445 and 475 W Forester. Fourteen one-story and basement frame residences.
Owner—Moneta Investment Co., 232 Pacific Bldg., San Francisco.
Plans by Owner
Contractor — James Arnott & Son, 235 Granville Way, San Francisco. $3500 each

APARTMENTS
(1754) N GROVE 120 W Ashbury. Two-story and basement frame (4) apartments.
Owner—V. Virgilio, % Western Process Engraving Co., 76 2nd St., S. F.
Architect — Wm. F. Gunnison, 1666 Golden Gate Ave., San Francisco.
Contract not let. $12,500

THEATRE
(1755) NE OCEAN & FAXON AVES. Class A theatre and Class C store building.
Owner—Samuel H. Levin, 655 Masonic Ave., San Francisco.
Architect—Reid Bros., 105 Montgomery St., San Francisco.
Contractor—G. B. Pasqualetti et al, 746 Union St., San Francisco. $35,000

ADDITION
(1756) W STEVENSON adj. present store building of Hale Bros. Six-story and basement reinforced concrete annex for department store.
Owner—Hale Bros., 5th & Market Sts., San Francisco.
Architect—Reid Bros., 105 Montgomery St., San Francisco.
Contractor — MacDonald & Kahn, 130 Montgomery St., S. F. $30,000

APARTMENTS
(1757) N TURK 70-6 E Jones. Three-story and basement reinforced concrete (8) apartments.
Owner — A. F. Niedt, Hotel Spalding, San Francisco.
Architect — Willis Lowe, Monadnock Bldg., San Francisco.
Engineer—R. B. Cleghorn.
Contractor — W. S. King, 215 Hearst Bldg., San Francisco. $30,000

DWELLING
(1760) W FORTY-FOURTH AVE 125 N Balboa. One-story and basement frame dwelling.
Owner—Oscar Heyman & Bro., 742 Market St., San Francisco.
Architect — Alvin J. Stern, 742 Market St., San Francisco.
Day's work. $2500

DWELLINGS
(1761) W TWENTY-THIRD AVE 225 and 250 S Cabrillo. Two one-story and basement frame dwellings.
Owner—Oscar Heyman & Bro., 742 Market St., San Francisco.
Architect — Alvin J. Stern, 742 Market St., San Francisco.
Day's work. $2000 each

DWELLINGS
(1762) W TWENTY-SECOND AVE 35 and 67 N Irving. Two one-story and basement frame dwellings.
Owner—Oscar Heyman & Bro., 742 Market St., San Francisco.
Architect — Alvin J. Stern, 742 Market St., San Francisco.
Day's work. $2500 each

DWELLING
(1763) LOT 22 BLK. J, Mission Terrace. One-story frame dwelling.
Owner—Fred and Marion M. Starring, 546 29th Ave., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Olaf Olsen, 14 Montgomery St., San Francisco.
Filed Apr. 25, '22. Dated Mar. 29, '22
Enclosed $1077.50
Brown coated 1077.50
Completed and accepted..... 1077.50
Usual 35 days 1077.50
TOTAL COST, $4,310
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(1764) N CHESTNUT 105 E Franklin E 27-6xN 137-6. All work except plumbing, painting, furnace, finish hardware, shades and chandeliers for a 1-story and basement frame residence.
Owner—Peter A. Bricca, 1527 Stockton St., San Francisco.
Architect—J. A. Porporato, 619 Washington St., San Francisco.
Contractor—Farnocchia & Co., 1814 Powell St., San Francisco.
Filed Apr. 25, '22. Dated Apr. 15, '22
Rough frame up $1500
Brown coated 1700
Completed and accepted 1800
Usual 35 days 1940
TOTAL COST, $6,940
Bond, $3470. Sureties, Jos. Mosca and L. Gombardi. Limit, 90 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(1765) N KIRKHAM 57-6 W 7th Ave. All work for a 1-story and basement frame residence.
Owner—Edw. and Nora C. McKewen, 142 Sansome St., San Francisco.
Architect—None.
Contractor—Hannah Bros., 142 Sansome St., San Francisco.
Filed Apr. 25, '22. Dated Apr. 14, '22 Contractor agrees to finance job until July 1, 1922, when settlement will be had.
ACTUAL COST PLUS 10%
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1766) LOT 8 BLK. 3161 Westwood Park. All work for a 1-story and basement frame dwelling.
Owner—Edward E. and Margaret L. Madden, 1259 Vermont St., San Francisco.
Architect—Chas. H. Strothoff, 2274 15th St., San Francisco.
Contractor—Hans Nelson, 1375 Plymouth Ave., San Francisco.
Filed Apr. 25, '22. Dated Apr. 8, '22
Frame up and enclosed.....$1010
Brown coated 1010
Completed and accepted..... 1010
Usual 35 days 1010
Secured by deed of trust..... 1450
TOTAL COST, $5,490
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed

ALTERATIONS
(1767) NO. 927 CABRILLO. General alterations to flats.
Owner—Mrs. M. Dubonett, Premises.
Architect—None.
Contractor—Geo. M. Merritt, 3014 Geary St., San Francisco. $1800

STORES
(1769) N FOLSOM 400 W Fifth. One-story concrete Class C stores.
Owner—Louis R. Lurie, % Architect.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—S. Martinelli, 180 Jessie St., San Francisco. $17,500

ALTERATIONS
(1771) NO. 610 GEARY. Remove old plaster and replaster hotel front.
Owner—H. E. Monroe, 2623 Divisadero St., San Francisco.
Architect—None.
Contractor—W. J. Black, 1306 Guerrero St., San Francisco. $1000

RESIDENCE
(1773) N JERSEY 125 E Church St. Two-story and basement frame residence.
Owner—V. Gullines, 1828 Castro St., San Francisco.
Architect—None.
Day's work. $2500

DWELLING
(1774) E TWENTY-THIRD AVE 250 S Anza. One-story and basement frame dwelling.
Owner—Rudolph J. Raetz, 2869 24th St., San Francisco.
Architect—None.
Contractor—C. Raetz, 2536 Bryant St., San Francisco. $2950

RESIDENCE
(1775) W TWELFTH AVE 75 N Fulton. Two-story and basement frame residence.
Owner—Ernest A. Herger, 146 Lake St., San Francisco.
Architect—None.
Contractor — Sandberg-Essmann, 501 4th St., San Francisco. $8000

DWELLING
(1777) SW BANCROFT AVE 125 W Irwin. One-story and basement frame dwelling.
Owner—A. C. Hartel, 2053 Bancroft Av., San Francisco.
Architect — O. E. Evans, 2569 Mission St., San Francisco
Day's work. $2000

FRAME FLATS
(1778) E TWENTIETH AVE 125 N

Fulton. Two-story and basement frame (2) flats.
Owner—Edw. E. Manseau, 647 Clayton St., San Francisco.
Architect—None.
Contractor—E. E. Manseau, 647 Clayton St., San Francisco. $9000

BUILDING
(1779) NW HOWARD 70 SW Fifth SW 29-3½ NW 80 NE 50 SE 130 NE 5 SE 30. All work for one-story brick or concrete building.
Owner—John M. Kepner, 68 Post St., San Francisco.
Architect—Alexander A. Cantin, 68 Post St., San Francisco.
Contractor—Thos. F. Mulcahy, 180 Jessie St., San Francisco.
Filed Apr. 26, '22. Dated Apr. 25, '22.
On 1st and 15th of each month 75%
TOTAL COST, $13,000
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(1780) NO. 450 FIFTH AVE. All work for two-story frame building and alterations to existing bldg.
Owner—The Pacific Telephone & Telegraph Co., 333 Grant Ave., S. F.
Engineer—E. V. Cobby, 333 Grant Ave., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco.
Filed Apr. 26, '22. Dated Apr. 21, '22.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $19,784
Bond, $9892. Surety, Fidelity & Casualty Co. Limit, 37 days after April 25. Forfeit, none. Plans and specifications filed

APARTMENTS
(1781) E DOLORES 75 S Fourteenth S 50xE 128-3. All work except window shades lighting fixtures, wall beds, gas radiators, painting and water heating for two-story and basement frame apartments.
Owner—John A. Tray, 3571-B 17th St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—Finn Andersen, 1941 15th St. San Francisco.
Filed Apr. 26, '22. Dated Apr. 4, '22.
1st floor joists on.....$3185
Enclosed 3200
Brown coated 6385
Completed 6385
Usual 35 days..... 6385
TOTAL COST, $25,540
Bond $12,770. Sureties, J. H. McCallum and J. E. Christiansen. Limit, 120 days. Forfeit, $10. Plans and specifications filed

CLEANING MACHINES
(1782) SW BUSH & SANSOME 206-3 x137-6 Vacuum cleaning machines and apparatus for building.
Owner—Standard Oil Co., 298 Bush St San Francisco.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—Frank B. Drew Co., Phelan Bldg., San Francisco.
Filed Apr. 26, '22. Dated Mar. 22, '22
When apparatus delivered at building 75
30 days after 25%
TOTAL COST, $3748
Bond, $1874. Surety Aetna Casualty & Surety Co. Limit, forfeit, none. Plans and specifications filed

RESIDENCE
(1783) W TWELFTH AVE 75 N Fulton W 92-6xN 25. All work for two-story and basement frame residence.
Owner—Ernest A. Harger, 116 Lake St., San Francisco.
Architect—None.
Contractor—Sandberg & Eastman, 101 4th St., San Francisco.
Filed Apr. 26, '22. Dated Apr. 21, '22.
Frame up $2100
Plumbing roughed in and brown coated 2100
Completed 2100
Usual 35 days..... 2100
TOTAL COST, $8400
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME BLDG.
(1784) BLK BDED BY VICENTE, 21st Ave., Wawona and 20th Ave. All work for one-story and basement frame building.
Owner—A. Campergue, 728 Broadway, San Francisco.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—Fink & Schindler, 218 13th St., San Francisco.
Filed Apr. 26, '22. Dated Apr. 18, '22.
On signing contract.....$2500
Rough frame up..... 2500
Roofed and enclosed..... 2500
Plastered 2500
Completed and accepted..... 3500
Usual 35 days..... 4500
TOTAL COST, $18,000
Bond, $9,000. Sureties, J. M. Cummins and F. Klass. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING
(1785) E LYON 100-0⅛ N Union N 25-0⅝ E 145-6½ S 25-0½ W 146-6⅛ All work for two-story frame dwelling.
Owner—Nettie C. Beardmore, 2885 Green St., San Francisco.
Architect—None.
Contractor—W. W. Rednall, 2500 Filbert St., San Francisco.
Filed Apr. 26, '22. Dated Apr. 25, 22.
Roof on $1500
1st coat plaster on..... 1500
Completed and accepted..... 1500
Usual 35 days..... 1500
TOTAL COST, $6000
Bond, $1500. Sureties, A. Freese and S. W. P. Holmes. Limit, 100 days. Forfeit, $3. Plans and specifications filed.

PAINTING, ETC.
(1786) N CHESTNUT 109-9½ W Van Ness Ave 27-6x137-6. Painting and decorating two-story frame building.
Owner—H. O. Lippi, 2340 Union St., San Francisco.
Architect—Italo Zanolini, 604 Montgomery St., San Francisco.
Contractor—R. Zelinsky, 180 Jessie St., San Francisco.
Filed Apr. 26, '22. Dated Apr. 19, '22.
2nd coat on $158.75
Completed and accepted..... 317.50
Usual 35 days..... 158.75
TOTAL COST, $635.00
Bond, $635. Surety, Fidelity & Casualty Co. Limit, 90 days. Forfeit, none. Plans and specifications, none.

RESIDENCE
(1787) E FIFTEENTH AVE 168 S Anza S 18xE 127-6. All work for two-story and basement frame residence
Owner—Gustave Peterson, 1102 Alabama St., San Francisco.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco
Contractor—Elmer Carlson, 180 Jessie St., San Francisco.
Roofed and enclosed.....$3087.50
Brown coated 3087.50
Completed and accepted 3087.50
Usual 35 days..... 3087.50
TOTAL COST, $12,350.00
Bond, $6175. Sureties, Joel Jennson and P. F. Reilly. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FLATS
(1788) SW CALIFORNIA & TWENTY-seventh Ave W 30xS 95. All work for two-story and basement frame building (4) flats.
Owner—Arthur W. McCain,
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Contractor—Elling Ellingson, 180 Jessie St., San Francisco.
Filed Apr. 26, '22. Dated Apr. 19, '22.
Enclosed $4100
Brown coated 4100
Completed and accepted..... 4100
Usual 35 days..... 4100
TOTAL COST, $16,400
Bond, $8200. Sureties, Geo. Bramer & H. J. Hansen. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FLATS
(1789) W SCOTT 100 S O'Farrell. Carpenter, electric, plastering, concrete, brick and finishing work and painting for four 3-room flat building.
Owner—Patrick T. Waters, 3754 17th St., San Francisco.
Architect—None.
Contractor—William R. Segurson, 628 Waller St., San Francisco.
Filed Apr. 26, '22. Dated Apr. 26, '22.
Enclosed and roof on.....$1595.75
Electric wiring in, rough mortar on and primed..... 1593.75
Concrete work finished and white coated 1593.75
Completed and accepted..... 1593.75
Usual 35 days..... 2125.00
TOTAL COST, $8500.00
Bond, $4250. Surety, Fidelity & Deposit Co. of Maryland. Limit, forfeit, plans and specifications, none.

FRAME BLDGS
(1790) S CALIFORNIA 82-6 W Tenth Ave 75x100. All work for two 4-flat frame buildings.
Owner—Maurice Lager, 320 Market St., San Francisco.
Architect—Edw. E. Young, 251 Kearny St., San Francisco.
Contractor—Anderson & Ringrose, 320 Market St., San Francisco.
Filed Apr. 26, '22. Dated Mar. 27, 22.
Payments on 1st of each month 75%
Usual 35 days..... 25%
TOTAL COST, $30,000
Bond, none. Limit, 180 days. Forfeit, plans and specifications, none.

RESIDENCE
(1791) ALLSTON WAY 96-5 N Ulloa. Two-story and basement frame residence.
Owner—Robert J. Nellan, 3475 26th St., San Francisco.
Architect—None.
Day's work. $3000

RESIDENCE
(1792) S BALBOA 95 W 10th Ave. Two-story and basement frame residence.
Owner—Herbert H. Sichel, 3548 Geary St., San Francisco.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Contractor—C. Wengard, 1286 34th Ave San Francisco. $7500

COTTAGE
(1793) NO. 326 CHURCH (rear). One and one-half story frame cottage.
Owner—Mary McLearie, 326 Church St., San Francisco.
Architect—None.
Day's work. $800

ALTERATIONS
(1794) NO. 326 CHURCH. Remodel two-story frame building for 3 flats.
Owner—Mary McLearie, 326 Church St San Francisco.
Architect—None.
Day's work $900

DWELLING
(1795) W FIFTEENTH AVE. 150 S Judah. One-story and basement frame dwelling.
Owner—J. Berendsen, Russ Bldg., San Francisco.

Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—Fred Warden, 240 Montgomery St., San Francisco. $4000

DWELLING
(1796) S JUDAH 87 W 15th Ave. One-story and basement frame dwelling
Owner—J. Berendsen, Russ Bldg., San Francisco.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—Fred Warden, 240 Montgomery St., San Francisco. $4000

RESIDENCE
(1797) NE JACKSON & SCOTT. Two-story and basement frame residence
Owner—Perkins and Trowbridge, 110 Sutter St., San Francisco.
Architect—A. H. Jacobs, 110 Sutter St., San Francisco.
Contractor—J. Harold Johnson, 180 Jessie St., San Francisco. $25,000

RESIDENCE
(1798) N JACKSON 32-6 E Scott. Two-story and basement frame residence.
Owner—Perkins and Trowbridge, 110 Sutter St., San Francisco.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.
Contractor—J. Harold Johnson, 180 Jessie St., San Francisco. $25,000

RESIDENCE
(1799) S PACIFIC 31-6 E Scott. Two-story and basement frame residence.
Owner—Perkins and Trowbridge, 110 Sutter St., San Francisco.
Architect—A. H. Jacobs, 110 Sutter St., San Francisco.
Contractor—J. Harold Johnson, 180 Jessie St., San Francisco. $25,000

RESIDENCE
(1800) SE PACIFIC & SCOTT. Two-story and basement frame residence
Owner—Perkins and Trowbridge, 110 Sutter St., San Francisco.
Architect—A. H. Jacobs, 110 Sutter St., San Francisco
Contractor—J. Harold Johnson, 180 Jessie St., San Francisco. $25,000

RESIDENCES
(1801) E SCOTT 71-4½, 108-8½ and 142-0½ N Jackson. Three 2-story and basement frame residences.
Owner—Perkins and Trowbridge, 110 Sutter St., San Francisco.
Architect—A. H. Jacobs, 110 Sutter St, San Francisco.
Contractor—J. Harold Johnson, 180 Jessie St., San Francisco. $25,000 each

ALTERATIONS
(1802) NO. 2112 PACIFIC AVE. General alterations and repairs for interior and exterior of residence.
Owner—E. L. Eyre, Menlo Park, Calif.
Architect—Howard and White, Lick Bldg., San Francisco.
Contractor—Taylor & Goericke, Sharon Bldg., San Francisco. $750

ADDITION
(1803) NE PACIFIC AND POLK. One-story brick addition for Commercial Building.
Owner—A. J. Rich & Co. (agents), 58 Sutter St., San Francisco.
Architect—M. J. Lyon, 58 Sutter St., San Francisco.
Day's work. $6000

APARTMENTS
(1804) N PINE 73 E Jones. Three-story and basement frame (11) apartments.
Owner—Blanckenburg and Williamson, 105 Montgomery St., S. F.
Architect—None.
Contractor — E. Blanckenburg, 105 Montgomery St., San Francisco. $24,000

ALTERATIONS
(1805) S SEVENTEENTH 50 E Castro. Raise and move cottage; make general repairs and provide for private garage.
Owner—Leo. Hess, 507 Castro St., San Francisco.
Architect—John E. McCarthy, 1479 12th Ave, San Francisco.
Day's work. $1800

FLATS
(1806) E TWENTY-FOURTH AVE. 250 S Lake. Two-story and basement frame (2) flats.
Owner—M. Rosenberg.
Architect—Alvin J. Stern, 742 Market St., San Francisco.
Contractor — Strand & Strand, 614 Broderick St., San Francisco. $6000

FLATS
(1807) E TWENTY-FOURTH AVE. 225 S Lake. Two-story and basement frame (2) flats.
Owner—H. I. Zimet.
Architect—Alvin J. Stern, 742 Market St., San Francisco.
Contractor — Strand & Strand, 614 Broderick St., San Francisco. $6000

FRAME FLATS
(1808) E TWENTY-FIRST AVE 100 N Clement. Two-story and basement frame (2) flats.
Owner—Bertha Nichols, 4804 Geary St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Day's work. $7000

DWELLINGS
(1809) E TWENTY-THIRD AVE 200 and 225 S Cabrillo. Two two-story and basement frame dwellings.
Owner—A. V. Anderson, 595 21st Ave. San Francisco.
Architect—None.
Day's work. $5800 each

RESIDENCE
(1810) E TWENTY-FIRST AVE 325 N Taraval. Two-story and basement frame residence.
Owner—P. Morgan, 2390 19th Ave., San Francisco.
Architect—None.
Day's work. $3500

FRAME FLATS
(1811) E TWENTY-FIRST AVE 225 S Anza. Two-story and basement frame (2) flats.
Owner—J. Nissin, 1272 Eddy St., S. F.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Day's work. $12,000

FRAME FLATS
(1812) E TWENTY-FIRST AVE 125 and 150 N Clement. Two two-story and basement frame (2) flats.
Owner—Jeanette Liebman, 113 9th Ave., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Day's work. $7000 each

ALTERATIONS
(1813) NO. 4017 TWENTY-FOURTH. Raise cottage and construct store for first story.
Owner—Henry Stahl, Premises.
Architect—None.
Contractor—L. M. Weismann & Son, 1951 Market St., San Francisco. $2500

STORES
(1818) NE CLEMENT AND TWENTY-third Ave. One-story reinforced concrete stores.
Owner—E. S. Conolly, 15 Commonwealth Ave., S. F.
Architect—John J. Foley, 770 5th Ave., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $12,500

APARTMENTS
(1819) S FULTON 103-6 E Cole. Two-story and basement frame (4) apartments.
Owner—May E. Foley, 770 5th Ave., San Francisco.
Architect—John J. Foley, 770 5th Ave., San Francisco.
Contractor—Thos. Hamill, 6140 Geary St., San Francisco. $13,500

APARTMENTS
(1820) NW MARKET AND EUREKA N 16.15 W 125 S 39.572 E 127.235. Plumbing, sewerage, gas pipes and plumbing fixtures for two-story and basement frame (10) apartments.
Owner—Adolph Dittmann, % Architect
Architect—Carl Geilfuss, 1056 Fulton St., San Francisco.
Contractor—Henry Ernst & Sons, 2727 Union St., San Francisco.
Filed Apr. 27, '22. Dated Apr. 22, '22.
Roughed in $955
Completed and accepted..... 955
Usual 35 days..... 645
TOTAL COST, $2550
Bond, $1275. Surety, H. B. Woods. Limit, 10 days after completion of carpenter work. Forfeit, $10 a day. Plans and specifications filed.

(1821) EXCAVATION, CONCRETE, carpenter work, mill work plastering, glazing, hardware, etc., on above.
Contractor—F. L. Hansen, 251 Kearny St., San Francisco.
Filed Apr. 27, '22. Dated Apr. 22, '22.
Frame up $3200
Brown coated 3200
White coated and outside completed 4200
Completed and accepted..... 3200
Usual 35 days..... 4600
TOTAL COST, $18,400
Bond, $9200. Sureties, Ella M. Hansen and L. Frank Davison. Limit, 100 days. Forfeit, $10 a day. Plans and specifications filed.

BUILDING
(1822) LOCATION NOT GIVEN. Structural steel and iron work for building.
Owner—The San Francisco News Co., 747 Howard St., San Francisco.
Architect—N. W. Sexton, Chronicle Bldg., San Francisco.
Contractor—Western Iron Works, 141 Beale St., San Francisco.
Filed Apr. 27, '22. Dated Apr. 24, '22
1st each month 75%
Usual 35 days 25%
TOTAL COST, $10,450
Bond, none. Limit, June 15, 1922. Forfeit, none. Specifications filed. Plans, none.

(1823) CARPENTER, MILL, METAL windows, sheet metal work, roofing, plastering, marble work, glass and glazing on above.
Contractor—N. F. Nielsen, 180 Jessie St., San Francisco.
Filed Apr. 27, '22. Dated Apr. 25, '22
1st floor joists in place.....$4500.00
2nd floor joists in place..... 6000.00
Roofing and plaster completed 6500.00
Completed and accepted..... 7404.75
Usual 35 days..... $135.25
TOTAL COST, $32,540
Bond, $16,270. Surety, Fidelity & Deposit Co. of Maryland. Limit July 30, 1922. Forfeit, $50 day. Plans and specifications filed.

BUILDING
(1824) S Noriega 25 E 20th Ave. E 25x S 100. All work for a 1-story frame building

Owner—Mrs. Agnes Seike, 33 Day St., San Francisco.
Architect — Edward E. Young, 251 Kearny St., San Francisco.
Contractor—Robt. Beach, 4173 23rd St., San Francisco.
Filed Apr. 27, '22. Dated Apr. 17, '22
Frame up $799.65
Brown coated 799.70
Standing trim on..... 799.70
Completed and accepted..... 799.70
Usual 35 days.....1066.25
TOTAL COST, $4,265
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BUILDING
(1825) S NORIEGA 50 E 20th Ave. E 25xS 100. All work for a 1-story frame building.
Owner—Mrs. M. McCullough, 3426 22nd St., San Francisco.
Architect—Edw. E. Young, 251 Kearny St., San Francisco.
Contractor—Robt. Beach, 4173 23rd St., San Francisco.
Filed Apr. 27, '22. Dated ———
Frame up $799.65
Brown coated 799.70
Standing trim on 799.70
Completed and accepted..... 799.70
TOTAL COST, $4,265
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(1826) E SIXTEENTH AVE. 75 N. Fulton N 25xE 102. All work for a 2-story and basement frame residence.
Owner—Ernest E. and Elzabeth Kretzsenmar.
Architect—Will H. Toepke, 942 Market St., San Francisco.
Contractor—Wm. L. Terry, 1456 Willard St., San Francisco.
Filed Apr. 27, '22. Dated Apr. 19, 522
Frame up $1901
Brown coated 1901
Outside plaster done and sash in 1901
Completed and accepted..... 1902
Usual 35 days 2535
TOTAL COST, $10,140
Bond, $5070. Sureties, Jno. H. Powers and J. Prout. Limit, 85 days. Forfeit, $5 day. Plans and specifications filed.

APARTMENTS
(1827) NW BUCHANAN & HERMAN N 34-6xW 90. Carpenter work, etc., for two story apartment flat building.
Owner—Mary J. McLeod
Architect—Fredk H. Meyer and A. E. Johnson, 742 Market St., S. F.
Contractor—McIntosh Bros., 180 Jessie St., San Francisco.
Filed Apr. 27, '22. Dated Apr. 26, '22.
On 1st of each month 75%
Usual 35 days..... 25%
TOTAL COST, 16,016
Bond $8,050. Sureties, W. Smith and Theo. De Pass. Limit, 100 days. Forfeit, none. Plans and specifications filed.

(1828) PAINTING ON ABOVE.
Contractor—E. I. Norman 5773 24th St. San Francisco.
Filed Apr. 27, '22. Dated Apr. 26, 22.
Payments same as above.....
TOTAL COST, $130
Bond, $650. Sureties, A. W. Tuggey and E. Norman. Limit, forfeit, none. Plans and specifications filed.

(1829) SEWERING, WATER PIPING, gas and fixtures on above.
Contractor—Ahlbach & Mayer, 87 Portland St., San Francisco.
Filed Apr. 27, '22. Dated Apr. 26, 22.
Payments same as above.....
TOTAL COST, $1940
Bond, $970. Sureties, Samuel Sonell & Chas. Mayer. Limit, 100 days. Forfeit none. Plans and specifications filed.

(1830) ELECTRIC WORK ON ABOVE.
Contractor—Globe Electric Works, 1959 Mission St., San Francisco.
Filed Apr. 27, '22. Dated Apr. 26, '22.
Payments same as above.....
TOTAL COST, $1030
Bond, $515. Surety, Fidelity & Deposit Co. of Maryland. Limit, 100 days. Forfeit, none. Plans and specifications filed.

COTTAGE
(1831) E TWENTY-SEVENTH AVE 220 N Balboa. All work for six-room cottage.
Owner—Gus Moeller, 2221 Clement St., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.
Filed Apr. 27, '22. Dated Apr. 20, '22.
Frame up $1075
Brown coated 1075
Completed and accepted..... 1075
Usual 35 days..... 1075
TOTAL COST, $4300
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

BUNGALOW
(1832) E TWENTY-SEVENTH AVE 195 N Balboa. All work for six-room bungalow.
Owner—John Gray.
Architect—None.
Contractor—Meyer Bros., 5324 Geary St., San Francisco.
Filed Apr. 27, '22. Dated Mar. 25, '22.
Frame up $1075
Brown coated 1075
Completed 1075
Usual 35 days..... 1075
TOTAL COST, $4300
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

LATHING, ETC.
(1833) ON LAND BDED BY MISSION Silver and Lisbon. Lathing and plastering building.
Owner — The Hebrew Home for Aged Disabled.
Architect—Samuel Lightner Hyman, Foxcroft Bldg., San Francisco.
Contractor—Francis O'Reilly, 180 Jessie St., San Francisco.
Filed Apr. 27, '22. Dated Apr. 20, '22.
On 5th of each month..... 75%
TOTAL COST, $34,939
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(1834) W TWENTY-FIFTH AVE 250 N Cabrillo N 25xW 120. All work except grading for frame residence
Owner—Peter R. O'Shea.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Knabenshuh & Morrison, 180 Jessie St., San Francisco.
Filed Apr. 27, '22. Dated Apr. 6, '22.
Frame up .....$ 750
Closed in and roof on..... 750
Plastering completed 750
Completed 750
Usual 35 days..... 1000
TOTAL COST, $4000
Bond, none. Limit, 90 days. Forfeit, $5. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
April 27, 1922—W GRANT AVE 62-6 S Pine W 70xS 62-6. Tal Gon Co, Inc to Barrett & Hilp. Apr. 25, 1922
April 27, 1922—S 15 FT LOT 2 and N 15 ft Lot 3 Blk 3177, Westwood Park. Hans and Esther E Nelson to Nelson Bros. April 22, 1922
April 27, 1922—S OCEAN AVE 25.88 W Miramar Ave W 25.88 S 114-1 E 25 N 107-1. Frank J and Louise A Straub to Knabenshuh & Morrison ..... April 3, 1922
Apr. 26, 1922—NE GREEN AND OCtavia N 106xE 54. Wm W Rednall to whom it may concern. Apr. 26, 1922
Apr. 26, 1922—E EDINBURGH 200 S Brazil Ave S 25xE 100. Martin Smith to whom it may concern .....Apr. 26, 1922
Apr. 26, 1922—N WPINE AND MONTgomery N 125xW 138-6. Commercial Union Assurance Co and The Calif Ins Co to Paul E Denivelle..... .....Apr. 18, 1922
Apr. 26, 1922—NE ROLPH 78.353 SE Naples SE 25xNE 100 Lot 33 Blk 16 Crocker Amazon Tr. John Carlson to whom it may concern..... .....Apr. 25, 1922
Apr. 26, 1922—N LIBERTY 280 W Guerrero W 25xN 114. J H Spamer to whom it may concern. Apr. 25, 1922
Apr. 26, 1922—N GROVE 124-6 N Central Ave W 25x137-6 irregular. Grace Perego to Kinconan & Perego .....Apr. 25, 1922
Apr. 26, 1922—S TWENTY-FIFTH 268 W Noe 25x114. Michael Kelly to whom it may concern...Apr. 26, 1922
April 25, 1922—E TWENTY-EIGHTH Ave 95 S Geary. Dominic Tiscornia to whom it may concern..April 25, '22
Apr 25, 1922—E WESTWOOD DRIVE with E line Lot 28 Blk 3165 SW 135.255 N 89° 20' 11" E 89.344 N 0° 24' W 99.699 Ptn Lots 27 and 28 Blk 3165, Westwood Park. Gordon W Morris to Linnie Morris..... .....April 24, 1922
April 24, 1922—N FOLSOM AND Dore NW 125 NE 85 SE 25 NE 19-2 SE 100 SW 104-2. Carl H Peterson to whom it may concern. Apr. 22, 1922
April 24, 1922—NW FULTON AND Forty-first Ave N 27-6xW 95. Mrs Sarah McGee to whom it may concern.....April 15, 1922
April 22, 1922—E SEVENTEENTH Ave 176 S Anza S 24x120. Frank Fischer to G E Watson Bldg Co... ....April 22, 1922
April 22, 1922—NE GEARY AND Eighteenth Ave E 80-8xN 100. Jacob Weissbein to Theodore G and Rollin E Meyer.....April 21, 1922
April 22, 1922—NW PINE & MONTgomery N 125xW 138-6. Commercial Union Assurance Co and The California Insurance Co to San Francisco Compressed Air Cleaning Co .....
April 22, 1922—S CLEMENT 32-6 W 22rd Ave W 25xS 100. A Corbelli to Paul De Martini....April 14, 1922
April 21, 1922—N OAK 150 W Broderick W 25xN 137-6. George N and Letitia A Putney to Karl E Sundquist and Olson.....April 21, 1922
April 21, 1922—NE OAKDALE AVE 200 SE Mindel NE 100xSE 25. Chas Lyster Taylor to P F Madden ....April 17, 1922
April 21, 1922—S CALIFORNIA 31-6 W Twentieth Ave W 26xS 75. David Leigh and Herbert Guest to David Leigh..... ..... April 20, 1922
April 21, 1922—N STAPLES AVE 120 and 96 W Foerster W 30xN 112-6 and NW Foerster and Staples Ave W 90xN 25 Ptn Blk 13, Sunnyside. Moneta Invst Co to James Arnott & Son..... ... April 11, 1922

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount
Apr. 26, 1922—NO. 2592 SUTTER N line 24 E Baker E 23-6 more or less x N 87-6. John H Murphy to Donald C and Jennie C McLea.....$57.00
April 25, 1922—W DIVISADERO 25 S Eddy S 25xW 100. M J Lovell vs Harry J and Annie Lyons.....$313
April 24, 1922—W ASHBURY 25 N Hayes N 50xW 106-3. Carl Frank vs J W Elliott and Westerly Construction Co $325.91

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount

April 27, 1922—NW MARKET 61-3 NE Hayes NE 50xNW 100. G Orsi Co to Walter L Hogan and George E Hart .....

April 22, 1922—SE BUENA VISTA Ave 36-8½ Park Hill Av NE 36-2½ S 107-3⅛ W 32-6 N 91-2⅞. J E Higgins Lumber Co and Jennie Callahan to Wm G Snell (as San Francisco Hardwood Floors Co)

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Apr. 27, 1922—SE TWENTY-FOURTH and Valencia S 65xE 77. Harry C Christen as to improvements on property .....

April 24, 1922—NO. 1200-1202 FILLmore. Realty & Rebuilding Co as to improvements on property....

BUILDER'S BOND

SAN FRANCISCO COUNTY

Apr. 26, 1922—SOUTHERN PACIFIC Hospital. Owner, Southern Pacific Co. Contractor, Geo. A. Bos. Surety, Fidelity & Deposit Co. of Maryland. Bond, $——.

BUILDING CONTRACTS

ALAMEDA COUNTY

$1,000 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
1796	Douglas	Hauri	11000
1797	Grant	Warren	1200
1798	Peterson	Pearson	3500
1801	Pfrang	Owner	8000
1802	Falk	Owner	3000
1803	Cort	Cort	3900
1804	Cisero	Owner	3000
1808	Bertuccio	Owner	1250
1809	Brown	Ventre	8250
1811	Francis	Owner	2000
1812	Metcalf	Sragne	5000
1813	Boening	Owner	1500
1814	Pach	McCoy	4000
1815	Payne	Blood	1021
1816	Gube	Owner	3150
1818	Giambruno	Owner	1000
1819	Chapman	Cowart	4500
1820	Dalton	Owner	6000
1821	Hayes	Bissell	——
1822	Hillen	Owner	4000
1823	Same	Same	3500
1824	Same	Same	3500
1826	Porter	Paulson	19635
1827	Loring	Short	7500
1828	Durant	Munson	2190
1829	Schleuter	Graff	24000
1831	Weber	Ahnefeld	3000
1832	Leonard	Owner	2500
1835	Werner	Owner	2000
1836	Oliver	Ahnefeld	9300
1837	Marquis	Owner	3250
1838	Ratcliff	Sorensen	2000
1839	Paul	Owner	2500
1840	Berkeley Bldg.	Owner	4500
1841	Marquis	Owner	8800
1842	Marquis	Owner	4400
1844	Hall	Sharp	6000
1846	Reichold	Wieslander	6000
1847	Bof	Owner	3000
1848	Brown	Rutherford	3500
1849	Anderson	Owner	3500
1850	Brennan	Healy	4700
1851	Maloney	Rutherford	1800
1852	Maloney	Rutherford	5800
1855	Mills College	Owner	5000
1856	Kergan	Woodward	3000
1857	Hadley	Peterson	4600
1860	Ray	Owner	1800
1861	Celli	Owner	6000
1862	Wilson	Owner	2500
1864	Green	Horton	1155
1865	Nutall	Omo	20000
1866	Helmer	Grimes	4850
1867	Boehmer	Owner	5000
1868	S. P. Co.	Hutchinson	——
1869	Taylor	Pedgrift	1800
1870	Capretto	Valente	1000
1871	Thomas	Owner	6000
1872	Wolbold	Butzge	4000
1874	Murch	Owner	5000
1875	King	Eliassen	4500
1876	Kimball	Nichols	4800
1877	Clarke	Lepley	1950
1878	Broderick	Owner	3450
1879	Whissenand	Francis	2000
1880	Parker	Francis	4500
1831	Tillman	Owner	4000
1882	Thorpe	Owner	3000
1883	Davison	Cox	10750
1885	Hinch	Owner	3000
1886	Kettner	Owner	2000
1888	Bekins	Knight	10000
1889	Carey	Metz	1200
1890	Wranski	Owner	2000
1892	Thomas	Johnson	5000
1894	Kitzmiller	Murch	17386
1895	Kibbe	Tranmal	11705
1896	Shockley	Engler	14600
1898	Hayes	Nelson	3340
1899	Buchenfeld	Tranmal	9428
1900	Ogle	Henderson	5000
1901	Suermondt	Rowe	5000
1902	Parr	Owner	4000
1903	Lestrange	Langtry	3500
1904	Burks	Owner	4000
1905	Smigelon	Owner	1400
1906	MacGregor	Owner	5900
1907	MacGregor	Owner	6500
1908	Hammond	Hammond	4000
1909	Taylor	Simmonds	3000
1910	Greenwood	Henderson	9250
1912	Mohr	Owner	4000
1913	Mohr	Owner	4500
1914	Endicott	Hanner	2500
1915	Goth	Owner	2800
1916	Kisich	Sommarstrom	5500
1919	Conrad	Nelson	8000
1921	Moyle	Owner	2350
1924	Brown	Stenbro	3500
1925	Gripp	Albers	3942
1926	Moore	Jones	9172
1927	Held	Hedeen	4228
1928	Columbia	Cress	20000
1928	Osner	Owner	2700
1929	Nichols	Owner	3000
1930	Lane	Owner	2500
1931	Allen	Owner	19500
1932	White	Oakland	4000
1933	Burritt	Owner	11250
1934	Moyer	Rose	16500

DWELLING
(1796) NO. 163 ALVARADO ROAD, Berkeley. Two-story 7-room dwlg.
Owner—Mrs. W. W. Douglas, 2642 Russell St., Berkeley.
Architect — Harris Osborn, Hearst Bldg., San Francisco.
Contractor—Hauri & Wierk, 822 56th St., Oakland. $11,000

ALTERATIONS
(1797) NO. 2708 BENVENUE, Berkeley Alterations.
Owner—A. S. Grant, Premises.
Architect—None.
Contractor—Charles H. Warren, 2615 Derby St., Berkeley. $1200

STORES
(1798) NO. 2012-14 SAN PABLO AVE., Berkeley. One-story Class C stores
Owner—Henry Peterson.
Architect—None.
Contractor—Ben Pearson, 2403 Grant St., Berkeley. $3500

DWELLINGS
(1801) NW CARLETON AND BROADway Terrace, and W Carleton 37 N Broadway Terrace, Oakland. Two 1-story 5-room dwellings.
Owner—C. J. Pfrang, 480 Forest Ave., Oakland.
Architect—None.
Day's work. $4000 each

DWELLING
(1802) NE E-THIRTY-EIGHTH AND 14th Ave., Oakland. One-story 5-room dwelling.
Owner—C. W. Falk and W. F. Sand, 536 Pacific Ave., Alameda.
Architect—None.
Day's work. $3000

DWELLING
(1803) S E-TWENTY-SEVENTH 210 W 21st Ave., Oakland. One-story 6-room dwelling.
Owner—C. B. Cort, 306 14th St., Oakland.
Architect—None.
Contractor—Roger Cort, 306 14th St., Oakland. $3900

DWELLING
(1804) N FORTIETH 100 E Market, Oakland. One-story 5-room dwelling.
Owner—Cisero & Rainerl, 4125 Market St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(1808) W FORTY-SECOND AVE. 50 S E-10th, Oakland. One-story 4-room dwelling.
Owner—E. Bertuccio, 4016 E-16th St., Oakland.
Architect—None.
Day's work. $1250

DWELLINGS
(1809) NE HARPER AND THIRTYfifth Ave.; and N Harper 58 and 108 E 35th Ave., Oakland. Three 1-story 4-room dwellings.
Owner—P. M. Brown, 2256 Central Ave. Alameda.
Architect—None.
Contractor—James Ventre, 1861 Elm St., Oakland. $2750 each

DWELLING
(1811) W SIXTY-SECOND AVE. 339 N Foothill Blvd., Oakland. One-story 4-room dwelling.
Owner—E. O. Francis, 3940 E-14th St., Oakland.
Architect—None.
Day's work. $2000

DWELLING
(1812) W KENMORE AVE. 300 N Walla Vista, Oakland. Two-story 7-room dwelling.
Owner—E. Metcalf, 654 54th St., Oakland.
Architect—None.
Contractor—J. E. Sprague, 351 12th St., Oakland. $5000

DWELLING
(1813) W LOMA VISTA bet. California and Wisconsin, Oakland. One-story 4-room dwelling.
Owner—Fred Boening, 435 Everett St., Oakland.
Architect—None.
Day's work. $1500

DWELLING
(1814) SW MONTGOMERY & MATHer, Oakland. One-story 5-room dwelling.
Owner—W. E. Pach, 4314 View St., Oakland.
Architect—None.
Contractor—McCoy & Pach. $4000

ALTERATIONS
(1815) NO. 765 SIXTEENTH, Oakland. Alterations.
Owner—Mrs. Robt. Payne, 827 Lydia St., Oakland.
Architect—None.
Contractor—H. W. Blood, 659 E-12th St., Oakland. $1021

DWELLING
(1816) E THOMAS 180 N Napa, Oakland. One-story 5-room dwelling.
Owner—A. B. Gruber, 621 Oak St., Oakland.

Architect—M. I. Diggs, Easton Bldg., Oakland.
Day's work. $3150

ADDITION
(1818) NO. 2240 TENTH AVE., Oakland. Addition.
Owner—C Giombruno, premises.
Architect—None.
Day's work. $1000

DWELLING
(1819) W VISTA AVE. 130 N Wellington, Oakland. One-story 6-room dwelling.
Owner—F. Y. Chapman, 3262 Central Ave., Alameda.
Architect—None.
Contractor—Z. T. Cowart, 3275 Central Ave., Alameda. $4500

DWELLINGS
(1820) N WOODBINE AVE. 300 and 360 W Fruuitvale, Oakland. Two 1-story 4-room dwellings.
Owner—S. E. Dalton, 1335 Seminary Ave., Oakland.
Architect—None.
Day's work. $3000 each

DWELLING
(1821) LOT 9 BLK. 14, Lakeshore Highlands Subdivision, Oakland. Two-story dwelling.
Owner—Mrs. Kathleen M. Hayes, Caldwell Court Apts., Oakland.
Architect—None.
Contractor—Glenn A. Bissell, 269 12th St., Oakland.
Filed Apr. 21, '22. Dated Apr. 15, '22 Owner pay bills.
COST PLUS 10%
Bond, none. Limit, 95 days after Apr. 17, 1922. Forfeit, none. Plans and specifications, none.

DWELLING
(1822) S FOOTHILL BLVD. 90 W Cole St., Oakland. One-story 6-room tile dwelling.
Owner — R. C. Hillen, 5364 Trask St., Oakland
Architect—None.
Day's work. $4000

DWELLING
(1823) E CONGRESS AVE 45 S Ygnacio, Oakland. One-story five-room dwelling.
Owner — R. C. Hillen, 5364 Trask St., Oakland
Architect—None.
Day's work. $3500

DWELLING
(1824) W FIFTY-FIFTH AVE 35 N Bond, Oakland. One-story 5-room dwelling.
Owner — R. C. Hillen, 5364 Trask St., Oakland
Architect—None
Day's work $3500

CLASS C PLUG
(1826) S FIFTEENTH 75 W Franklin W 25xS 81.3, Oakland. All work for two-story and basement Class C building
Owner—F. F. Foster, 1124 Broadway, Oakland.
Architect—C. W. McCall Central Bank Bldg., Oakland
Contractor—A. W. Paulson and T. A. Martin (Paulson & Martin), 64 Portola St., San Francisco.
Filed Apr. 22, 22. Dated Apr. 22, 22.
On 1st of each month 75%
Usual 35 days 25%
TOTAL COST, $19,535.25
Bond, none. Limit, July 10. Forfeit, $10 a day. Plans and specifications filed.

FLAT
(1827) S MILLER AVE 75 W College Ave. W 41.5 feet, Oakland. All work for two-story flats.
Owner—Elizabeth S. Loring, 5679 College Ave., Oakland
Architect—None.
Contractor—C. H. and Louise H. Short, 574 Rosal Ave., Oakland.
Filed Apr. 22, 22. Dated Apr. 17, '22.
Rough lumber on ground $1900
Rough inspection made 1400
Plastered 1400
Accepted 1400
Usual 35 days 1400
TOTAL COST, $7500
Bond, none. Limit, 100 days. Forfeit, $5. Plans and specifications filed.

METAL LATHING, ETC.
(1828) NE E-FOURTEENTH AND NW Stanley Ave NW 781.80 NE 1032.19 SE 780.90 SW 1031.69, Oakland. Metal lathing and furring for two-story concrete factory.
Owner—Durant Motor Co. of Calif. through Agent P. J. Walker Co., Monadnock Bldg., San Francisco.
Architect—None.
Contractor—C. O. Munson, 663 7th Ave., San Francisco.
Filed Apr. 21, '22. Dated Apr. 20, '22.
On 10th of each month 75%
Usual 35 days 25%
TOTAL COST, $2190
Bond, $1095. Surety, Fidelity & Deposit Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

STORES
(1829) SW BERKELEY WAY AND Shattuck Ave., Berkeley. One-story Class C (12) stores.
Owner—A. Schleuter, 1314 Washington St., Oakland.
Architect—Hutchison & Mills, Albany Bldg., Oakland.
Contractor—Edwin C. Graff, 355 12th St., Oakland. $24,000

DWELLING
(1831) NO. 2433 EDWARDS ST., Berkeley. One-story 5-room dwelling
Owner—W. Weber.
Architect—None
Contractor — Harry Ahnefeld, 2123 Parker St., Berkeley. $3000

DWELLING
(1832) NO. 1141 FRANCISCO ST., Berkeley. One-story 4-room dwelling
Owner—Mrs. N. E. Leonard, Premises.
Architect—None.
Day's work. $2500

DWELLING
(1835) NO. 1628 JAYNES ST., Berkeley One-story 5-room dwelling.
Owner—Chas. A. Werner, 2416 10th St., Berkeley.
Architect—None.
Day's work. $2000

DWELLING
(1836) NO. 2932 PIEDMONT AVE., Berkeley. Two-story 7-room dwlg.
Owner—John Oliver.
Architect—None.
Contractor — Harry Ahnefeld, 2123 Parker St., Berkeley. $9300

DWELLING
(1837) NO. 1150 OXFORD ST., Berkeley. One-story 6-room dwelling.
Owner—P. E. Marquis, 1023 Oxford St., Berkeley.
Architect—None.
Day's work. $3250

ALTERATIONS
(1838) NO. 55 ROBLE ROAD, Berkeley Alterations and additions.
Owner—W. Ratcliff, Premises.
Architect—None.
Contractor — Walter Sorensen, 3221 Ellis St., Berkeley. $2000

DWELLING
(1839) NO. 1234 STANNAGE ST., Berkeley. One-story 4-room dwelling
Owner—H. M. Paul, 568 16th St., Okd.
Architect—None.
Day's work. $2500

DWELLING
(1840) NO 1745 TACOMA ST., Berkeley Two-story 6-room dwlg.
Owner—Berkeley Bldg. Co., Colusa & Solano Sts., Berkeley.
Architect—None.
Day's work. $4500

DWELLINGS
(1841) W THIRTY-NINTH AVE. 90, 120, 150 and 185 S Carrington, Oakland. Four 1-story 4-room dwellings.
Owner—E. M. Marquis, 2827 Russell St., Berkeley.
Architect—None.
Day's work. $2200 each

DWELLINGS
(1842) S CARRINGTON 60 and 100 W 39th Ave., Oakland. Two 1-story 4-room dwellings.
Owner—E. M. Marquis, 2827 Russell St., Berkeley.
Architect—None.
Day's work. $2200 each

DWELLING
(1844) S ARINO AVE. 275 E Walla Vista, Oakland. One-story 6-room dwelling.
Owner—Mary J. Hall, 679 Arimo Ave., Oakland.
Architect—None.
Contractor—A. C. Sharp, 1327 E-28th St., Oakland. $6000

DWELLING
(1846) S FORTY-SECOND 500 W Webster, Oakland. One and one-half story 6-room dwelling.
Owner—Wm. Reichold, 460 Rich St., Oakland.
Architect—None.
Contractor—J. D. Wieslander, 4102 Gilbert St., Oakland. $6000

DWELLING
(1847) N FORTY-THIRD 250 E Market, Oakland. One-story 5-room dwelling.
Owner—Pedro Bof, 702 45th St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(1848) S FORTIETH 135 W Market, Oakland. One-story 5-room dwelling.
Owner—S. J. Brown, 3883 Howe St., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland
Contractor—Thos. Rutherford, 985 35th St., Oakland. $3500

DWELLING
(1849) E FORTY-SECOND AVE. 365 S Carrington, Oakland One-story 5-room dwelling.
Owner—J. A. Anderson, 1751 33rd Ave., Oakland.
Architect—None.
Day's work. $3500

DWELLINGS
(1850) N FORTY-THIRD 100 and 130 E Shafter, Oakland. Two 1-story 4-room dwellings.
Owner—Martin Brennan.
Architect—None
Contractor—P. J. Healy, 139 Nace Ave., Piedmont. $2350 each

ALTERATIONS
(1851) NO. 32 GLEN AVE., Oakland. Alterations.
Owner—P. H. Maloney.
Architect—None.
Contractor—Thos Rutherford, 985 35th St., Oakland $1800

DWELLINGS
(1952) N GLEN AVE. 200 and 240 E Piedmont, Oakland Two 2-story 4-room dwellings.
Owner—P. H. Maloney, 28 Glen Ave., Oakland.

Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—Thos. Rutherford, 985 35th Ave., Oakland. $2900 each

SHOP
(1855) MILLS COLLEGE, Oakland. One-story college shop.
Owner—Mills College.
Architect—None.
Day's work. $5000

ADDITION
(1856) NO. 4438 PARK BLVD., Oakland. Addition.
Owner—Mrs. F. M. Kergan.
Architect—None.
Contractor—E. W. Woodard, 535 Merritt St., Oakland. $3000

DWELLING
(1857) W RANDOLPH 90 N Hampel, Oakland. One-story 6-room dwelling.
Owner—Mrs. Hadley.
Architect—None.
Contractor—Alfred Peterson, 3918 Linwood Ave., Oakland. $4600

DWELLING
(1860) N SCOTT 150 E Marlin. One-story 4-room dwelling.
Owner—S. G. Ray, Haywards.
Architect—None.
Day's work. $1800

ADDITION
(1861) NO 417-23 SIXTH, Oakland. Brick addition to garage.
Owner—Cochran & Celli, 418 5th St., Oakland.
Architect—None.
Day's work. $6000

DWELLING
(1862) W SIXTIETH AVE. 50 N Camden, Oakland. One-story 5-room dwelling.
Owner—W. B. Wilson, care of Pacific Tank Co., Oakland.
Architect—None.
Day's work. $2500

DWELLING
(1864) NO. 533 THIRTY-FOURTH, Oakland. One-story 3-room dwelling.
Owner—Mrs. F. A. Green.
Architect—None.
Contractor—Jas. D. Horton, 581 9th St., Oakland $1155

APARTMENTS
(1865) W THIRD AVE. 100 N E-12th, Oakland. Two-story 26-room apartments.
Owner—Lena Nutall and Lena Clark, 3134 11th Ave., Oakland.
Architect—None.
Contractor—Fred Omo, 2128 11th Ave., Oakland. $20,000

DWELLING
(1866) NE THIRTY-EIGHTH & MANILA Ave., Oakland. One-story 6-room dwelling.
Owner—A. E. Helmer, 3803 Manila Ave., Oakland.
Architect—None.
Contractor — Robt. D. Grimes, 1528 Franklin St., Oakland. $4850

DWELLING
(1867) W WINSOR AVE. 500 N Lakeshore, Oakland. Two-story 7-room dwelling.
Owner—P. C. Boehmer, 727 44th St., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Day's work. $5000

PAVEMENT
(1868) OAKLAND, ALAMEDA, BERKELEY, Emeryville, Albany. Oil macadam pavement.
Owner—Southern Pacific Co.
Architect—None.
Contractor—Hutchinson Co., Hutchinson Bldg., Oakland.
Filed Apr. 24, '22. Dated Mar. 16, '22
TOTAL COST: Rock, $1.75 per cu. yd.; repairing subgrade, 1c per sq. ft.; as cost oil, etc., 1.375 cents per sq. ft.
Bond, $10,000. Surety, Globe Indemnity Co. Limit, 30 days. Forfeit, none. Plans and specifications, none.

ADDITIONS
(1869) NO. 2955 ASHBY AVE., Berkeley. Additions.
Owner—S. S. Taylor, Premises.
Architect—None.
Contractor—Jas. H. Pedgrift, 4110 Broadway, Oakland. $1800

ADDITION
(1870) NO. 1237 KAINS AVE., Berkeley. Addition.
Owner—E. Capretto.
Architect—None.
Contractor—M E. Valente, 1015 Channing Way, Berkeley. $1000

DWELLING
(1871) NO. 3048 HALCYON COURT, Berkeley. Two-story 8-room dwlg.
Owner—Mary and Cora Thomas, 2530 Bancroft Way, Berkeley.
Architect—None.
Day's work. $6000

DWELLING
(1872) NO. 1752 MARIN, Berkeley One-story 5-room dwelling.
Owner—J. Henry Wolbold, 1709 Sonoma Ave., Berkeley.
Architect—None.
Contractor—O. H. Butzge, 1515 66th St., Berkeley. $4000

DWELLING
(1874) NO. 200 OAKMONT AVE., Piedmont. Two-story 6-room dwelling
Owner—Walter Murch, Federal Realty Bldg., Oakland.
Architect—None.
Day's work. $5000

RESIDENCE
(1875) NO. 105 RONADA AVE., Piedmont. One and one-half-story 6-room dwelling and garage.
Owner—Wm. King.
Architect—None.
Contractor—G. A. Eliassen. $4500

DWELLING
(1876) NO. 306 WILDWOOD AVE., Piedmont. One and one-half-story 6-room dwelling.
Owner—F. P. Kimball, 406 20th St., Okd.
Architect—None.
Contractor—L. T. Nichols. $4800

DWELLING
(1877) S BISSELL 400 W 73rd Ave., Oakland. One-story 4-room dwelling.
Owner—F. E. Clarke, Syndicate Bldg., Oakland.
Architect—None.
Contractor—F. A. Lepley, 3406 Park Blvd., Oakland. $1950

DWELLING
(1878) W CURTIS 100 N 21st, Oakland. One-story 5-room dwelling.
Owner—John Broderick, 812 21st St., Oakland.
Architect—None.
Day's work. $3450

DWELLING
(1879) N FORTIETH AVE. 339 Foothill Blvd., Oakland. One-story 4-room dwelling.
Owner—Mrs. J. Whissenand, 1228 40th Ave., Oakland.
Architect—None.
Contractor—E. O. Francis, 3940 E-14th St., Oakland. $2000

DWELLING
(1880) SE FORTIETH AVE. AND San Juan, Oakland. One-story 8-room 2-family dwelling.
Owner—John Parker, 951 56th St., Oakland.
Architect—None.
Contractor—E. O. Francis, 3940 E-14th St., Oakland. $4500

DWELLING
(1881) S HAMPEL 200 W Park Blvd., Oakland. One-story 5-room dwelling.
Owner—Louis Tillman, 5617 Genoa St., Oakland.
Architect—None.
Day's work. $1000

DWELLING
(1882) NW JONES AVE. AND HOLLY St., Oakland. One-story 5-room dwelling.
Owner—A. C. Thorpe, 9822 B St., Oakland.
Architect—None.
Day's work. $3000

APARTMENTS
(1883) W KENMORE 347 S Blvd. Way, Oakland. Two-story 11-room apartments.
Owner—Violet L. Davison, 120 Hamilton Place, Oakland.
Architect—None.
Contractor—Cox Bros., 2212 Broadway Oakland. $10,750

DWELLING
(1885) N NEVIL 75 E Harrington, Oakland. One-story 5-room dwelling.
Owner—Jos. T. Hinch, Federal Bldg., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(1886) NO. 2335 RANSOME AVE., rear, Oakland. One-story 4-room dwelling.
Owner—George Kettner.
Architect—None.
Day's work. $2000

ALTERATIONS
(1888) SW SAN PABLO & TWENTY-second, Oakland. Alterations.
Owner—Bekins Fireproof Storage.
Architect—None.
Contractor—Harry C. Knight, 388 12th St., Oakland. $10,000

BRICK OVEN
(1889) NO. 2423 TELEGRAPH AVE., Oakland. Brick oven.
Owner—Geo. C. Carey, 917 Poplar St., Oakland.
Architect—None.
Contractor—Paul Metz, 855 44th St., Oakland. $1200

DWELLING
(1890) N TRENOR 75 E Seminary Ave., Oakland. One-story 3-room dwelling.
Owner—Harry Von Wranski, Trenor & Seminary, Oakland.
Architect—None.
Day's work. $2000

DWELLING
(1892) S VALLE VISTA bet. Santa Clara and Elwood, Oakland. One-story 7-room dwelling.
Owner—G. Thomas, Oakland.
Architect—None.
Contractor—Johnson, Oakland. $5000

DWELLING
(1894) E BELROSE AVE 94-6 S Derby 120x84.57, Oakland. All work for two-story and basement frame dwelling.
Owner—S. J. Kitzmiller, Berkeley.
Architect—C. W. McCall, Central Bk. Bldg., Oakland.

Contractor — Walter Murch, Federal Realty Bldg., Oakland.
Filed Apr. 25, '22. Dated Apr. 24, '22.
Frame up $2500.00
Ready for lath..... 2600.00
Plastered 1500.00
Mill work completed..... 3057.00
Completed and accepted..... 3311.75
Usual 35 days..... 1400.00
TOTAL COST, $17,386.75
Bond, $8750. Surety, Maryland Casualty Co. Limit, 125 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1895) LOT "F" BLK 4249 Eucalyptus Hill, Oakland. All work for two-story frame dwelling.
Owner — M. E. Kibbe, 1895 Fruitvale Ave., Oakland.
Architect — Julia Morgan, Merchants' Exchange Bldg., San Francisco.
Contractor—Enoch Tranmal, 482 Crescent St., Oakland.
Filed Apr. 25, 22. Dated Apr. 24, '22.
On 5th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $11,705
Bond, limit, forfeit, none. Plans and specifications filed.

APARTMENTS
(1896) NO. 2713 COLLEGE AVE., Berkeley. Two-story 16-room apartments and garage.
Owner—Pearl Schockley, Oakland.
Architect—None.
Contractor—Louis Engler, 2940 Forest St., Berkeley. $14,600

DWELLING
(1898) NO. 2340 McKINLEY, Berkeley. One-story 5-room dwelling.
Owner—Mrs. J. A. Hayes, 2212 McGee St., Berkeley.
Architect—None.
Contractor—Nelson & Conrad, 351 12th St., Oakland. $3340

DWELLING
(1899) NO. 34 OAKRIDGE ST., Berkeley. Two-story 7-room dwelling.
Owner—Elmer Buchenfeld, 3024 College Ave., Berkeley.
Architect—None.
Contractor—Tranmal & Bradnoff, 911 55th St., Oakland. $9128

DWELLING
(1900) NO. 1149 OXFORD ST., Berkeley. One-story 6-room dwlg.
Owner—E. A. Ogle.
Architect—None.
Contractor — E. F. Henderson, 5741 Keith Ave., Berkeley. $5000

DWELLING
(1901) NO. 966 SPRUCE ST., Berkeley. Two-story 6-room dwelling.
Owner—H. M. Suermondt, 2735 Hillegass Ave., Berkeley.
Architect—None.
Contractor—J. J. Rowe, P. O. Box 890 Richmond $5000

DWELLING
(1902) NO. 2888 RUSSELL ST., Berkeley. Two-story 7-room dwelling.
Owner—S. [illegible], 356 Arlington St. Berkeley.
Architect—None.
Day's work $1000

DWELLING
(1903) NO. 1212 SAN PABLO AVE., Berkeley. One-story 5-room dwlg.
Owner—J. [illegible], 1212 San Pablo Ave., Berkeley.
Architect—None.
Contractor—J. [illegible] Laugtry, 909 Alleen St., Oakland. $4500

DWELLING
(1904) E AUBURN 150 N Floren, Oakland. One-story 6-room dwelling.
Owner—C. E. Burke, 4129 Randolph Ave., Oakland.
Architect—None.
Day's work. $4000

DWELLING
(1905) W BROWN AVE. 142 N Hopkins, Oakland. One-story 4-room dwelling.
Owner—O. F. Smigelow, 3627 Brown Ave., Oakland.
Architect—None.
Day's work. $1400

DWELLINGS
(1906) S HUMBOLDT 84 and 167 W Penniman, Oakland. Two 1-story 5-room dwellings.
Owner—C. M. MacGregor, 470 13th St., Oakland.
Architect—None.
Day's work. $2950 each

DWELLINGS
(1907) S HUMBOLDT 42 and 125 N Penniman, Oakland. Two 1-story 6-room dwellings.
Owner—C. M. MacGregor, 470 18th St., Oakland.
Architect—None.
Day's work. $3250 each

DWELLING
(1908) E HADDON ROAD 80 S Brooklyn, Oakland. One-story 5-room dwelling.
Owner—Mrs. E. A. Hammond, 329 Castro St., Hayward.
Architect—None.
Contractor—C. J. Hammond, 329 Castro St., Hayward. $4000

DWELLING
(1909) E LAGUNA AVE. 360 N Carmel, Oakland. One-story 5-room dwelling.
Owner—W. H. Taylor, 5000 Bond St., Oakland.
Architect—None.
Contractor—L. E. Simmonds, 2831 Delaware St., Oakland. $3000

DWELLING
(1910) N MONTICETO AVE. 150 W Lee, Oakland. Two-story 8-room dwelling.
Owner—F. M. Greenwood, 249 Monticeto Ave., Oakland.
Architect—None.
Contractor—E. F. Henderson, 5744 Keith Ave., Oakland. $9250

DWELLING
(1912) SE MANDANA BLVD. & MANdana Path, Oakland. One-story 6-room dwelling.
Owner—Geo. L. Mohr, 1810 Shattuck Ave., Berkeley.
Architect—None.
Day's work. $4000

DWELLING
(1913) S MANDANA BLVD. 50 E Mandana Path, Oakland. One-story 6-room dwelling.
Owner—Geo. L. Mohr, 1810 Shattuck Ave., Berkeley.
Architect—None.
Day's work. $4500

DWELLING
(1914) W NINETY-FIFTH AVE. 175 N 13th, Oakland. One-story 5-room dwelling.
Owner—S. F. Endicott, 1222 95th Ave., Oakland.
Architect—None.
Contractor—W. J. Hanner, 1921 89th Ave., Oakland. $2500

DWELLING
(1915) E NINTH AVE. 365 N E-24th, Oakland. One-story 3-room dwelling.
Owner—T. R. Goth, 317 Hanover Ave., Oakland.
Architect—None.
Day's work. $2800

ALTERATIONS
(1916) NO. 274 PARK VIEW TERrace, Oakland. Alterations to apartments.
Owner—Mrs. N. C. Kisich.
Architect—None.
Contractor — Alex Sommarstrom, 109 Sunnyside Ave., Piedmont. $5500

STORE
(1919) E SAN PABLO 50 S Sycamore, Oakland. One-story 2-room tile store.
Owner—R. H. Conrad.
Architect—None.
Contractor—Nelson & Conrad, 351 12th St., Oakland. $8000

DWELLING
(1921) W SIXTY-THIRD AVE. 120 N Fortune Way, Oakland. One-story 5-room dwelling.
Owner—J. Moyle, 2482 63rd Ave., Oakland.
Architect—None.
Day's work. $2350

DWELLING
(1924) W WOODRUFF AVE 100 N Hopkins, Oakland. One-story six-room dwelling.
Owner—Chas. F. Brown, 1707 Broadway, Oakland.
Architect—None.
Contractor—A. Stenbro. $3500

FRAME DWELLING
(1925) S TWENTY-FOURTH ST. 40 E Seventh Ave., Oakland. All work for one-story frame dwelling.
Owner—Otto W. Gripp, 1834 9th Ave., Oakland.
Architect—Miller & Warnecke, Perry Bldg., Oakland.
Contractor—George H. Albers, 5152 Foothill Blvd., Oakland
Filed Apr. 26, '22. Dated Apr. 25, '22.
Frame up ..... ¼
Plastered ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $3942
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1926) LOT 18 BLK 11 Oak Ridge, Claremont, Berkeley. All work for two-story 6-room dwelling.
Owner—Dr. Oxley Moore, Oakland.
Architect—None.
Contractor—S. W. Jones, 5829 Lawton St., Oakland.
Filed Apr. 25, '22. Dated Apr. 24, '22.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $9172
Bond, $4500. Surety, Mrs. Luna M. Jones. Limit, forfeit, none. Plans and specifications filed.

DWELLING
(1927) LOT 29 Lakeshore Highlands, Oakland. All work for one-story frame dwelling.
Owner—Ernest Held, 2843 Prince St., Berkeley.
Architect—None.
Contractor—Ole Hedeen, 1639 21st Ave., Oakland
Filed Apr. 26, '22. Dated Apr. 24, '22.
Excavated .....$ 228
Frame up 1000
Plastered 1000
Usual 35 days..... 1000
TOTAL COST, $4228
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

STORE BLDG.
(1928) W TELEGRAPH AVE 25 S 17th S 25xW 100, Oakland. All work for one-story, basement and mezzanine reinforced concrete store
Owner—Columbia Outfitting Co., 2600 Mission St., San Francisco.
Architect—Mel. I. Schwartz, Nevada Bk Bldg., San Francisco.

Conaractor—F. H. Cress and B. A. Trobock (Cress & Trobock), 180 Jessie St., San Francisco.
Filed Apr. 25, '22. Dated Apr. 23, '22.
1st floor joists set..... ¼
Roof on ..... ¼
Completed and accepted..... ¼
Usual 55 days..... ¼
TOTAL COST, $20,000
Bond, $10,000. Sureties, Amalia A. Stoddart and Otto R. Schrader. Limit, 40 days. Forfeit, none. Plans and specifications filed.

PERMITS

DWELLING
(1928) NO. 1537 CEDAR ST., Berkeley. One-story 5-room dwelling.
Owner—Nicholas Osner, R. F. D. No. 2. Box 284, Hayward.
Architect—None.
Day's work. $2700

DWELLING
(1929) NO. 1133 DERBY ST., Berkeley. One-story 5-room dwelling.
Owner—C. S. Nichols, 2048 5th Ave., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(1930) NO. 969 SPRUCE ST., Berkeley. One-story 4-room dwelling.
Owner—Geo. J. Lane, 819 Virginia St., Vallejo.
Architect—None.
Day's work. $2500

DWELLING
(1931) NO. 2931 AVALON AVE., Berkeley. Two-story 10-room dwlg.
Owner—F. E. Allen, 2718 Regent St., Berkeley.
Architect—None.
Day's work. $19,500

DWELLING
(1932) W BELVEDERE 320 N Ygnacio, Oakland. One-story 6-room dwelling.
Owner—L. J. White, 1710 San Pablo, Oakland.
Architect—None.
Contractor—Oakland Home Builders, 1710 San Pablo, Oakland. $4000

DWELLINGS
(1933) E BEST AVE. 47, 87 and 127 S Fleming, Oakland. Three 1-story 6-room dwellings.
Owner—Burritt & Shealey, 67 Lincoln Ave., Piedmont.
Architect—None.
Day's work. $3750 each

RECORDED

APARTMENTS
(1934) LOTS 2 AND 3 Map Reom Tract being SW Cor. Grand Ave and and Jean St., Oakland. All work for two-story apartments and 5 garages.
Owner—Dr. J. J. and Ida Moyer, 14th and Jefferson Sts., Oakland.
Architect—None.
Contractor—Mervin P. Rose, 940 Oxford St., Berkeley.
Filed Apr. 27, '22. Dated Apr. 6, '22.
Frame up and boarded..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days ..... ¼
TOTAL COST, $16,500
Bond, $16,500. Surety, National Surety Co. Limit, 95 days. Forfeit, $5 a day. Plans and specifications filed
NOTE—Permit reported Apr. 10, 1922, No. 1566.

DWELLING
NO. 2715 BELROSE, Berkeley. Two-story 11-room dwelling.
Owner—J. S. Kitzmiller, 3145 College Ave., Berkeley.
Architect—C. W. McCall, Central Bank Bldg., Oakland.
Contractor—Walter Murch, Federal Bldg., Oakland. $17,380

NOTE:—Recorded contract reported April 25, 1922, No. 1894.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
April 27, 1922—LOT 24 BLK 9, Map Northbrae, Berkeley. Daisy B Wilson to P E Marquis....April 26, 1922
April 27, 1922—LOT 9 BLK 2110 Map Alden Tract at Temescal, Oakland. Louis J and Irene Blandeno to H J Skaggs.....April 11, 1922
April 27, 1922—LOTS 12 AND 13 BLK "L" Toler Heights, Oakland. Mrs Kaprina Segel to O Bullock..... .....March 22, 1922
April 26, 1922—LOT 21, Chevrolet Park, Oakland. Elizabeth R Stoner to Clark & Allen.....April 26, 1922
April 26, 1922—LOT 19 BLK 12, Lakeshore Highlands Tract, Oakland. J Wilbur Calkins to Fred A Roemer .....April 26, 1922
April 25, 1922—LOT 23 Map San Antonio Court, San Leandro. A B Davis to whom it may concern... ....April 22, 1922
April 25, 1922—W JEAN 225 N Grand Ave, Oakland. Joseph C Radford to McWethy & Greenleaf..... .....April 25, 1922
April 25, 1922—N ELEVENTH 100 W Alice W 83xN 100. M Stulsfat Co to H P Hoyt.....April 21, 1922
April 25, 1922—E BAY 150 N San Antonio Ave N 50xE 150, ——. Chas William Linge to whom it may concern .....April 24, 1922
April 24, 1922—W 40 LOT 70, Key Route Acres, ———. Sydney C Brown to whom it may concern... .....April 24, 1922
April 24, 1922—SW CENTRAL AVE and NW Walnut NW 150xSW 140, Alameda. 1st Church of Christ Scientist in Alameda to Ideal Heating & Engineering Co..... .....April 1, 1922
April 22, 1922—LOT 9 Map Resbdvn Blk 6, Broadmoor, San Leandro Chas A Dickman to C A Gossett.. .....April 8, 1922
Apr. 20, 1922—NE ALLSTON WAY & Shattuck Ave., Berkeley. Boardman Estate, Blanche L Porter to Wm Makin.....Apr. 20, 1922
Apr. 20, 1922—NE ALLSTON WAY & Shattuck Ave., Berkeley. Boardman Estate, Blanche L Porter to John Thomsen.....Apr. 20, 1922
April 20, 1922—LOCATION not given. Frank Joseph George to whom it may concern.....Apr. —, 1922
Apr. 21, 1922—N YOSEMITE AVE. 125 E Piedmont Ave., Oakland. B T Scott to S C Walker....Apr. 21, 1922
Apr. 21, 1922—LOT 27 BLK 13 Map Lakeshore Highland Tract, Oakland. Kathleen M Hayes to G A Bissell.....Apr. 14, 1922

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
Apr 27, 1922—PTN BLK 100, Kellersbergers Map of Oakland. Harry Wessel vs G Annuzzi.....$460
April 27, 1922—S 10 LOT 1 and N 39.21 Lot 2 Blk J Map Market Street Tract, Oakland. Harry Wessel vs S Damelio $476
April 27, 1922—LOT 27 BLK 697, Map Casserly Tract, Oakland. D F Harris vs Harry Wessel and Antonio Gazzaneo $235
April 26, 1922—LOT 27 BLK 697 Map of Casserly Tct, Oakland. Hogan Lumber & Mill Co vs Harry Wessel and Antonio Gazzaneo.....$516.77
April 22, 1922—SE SHERMAN AND Clinton Ave S 50 E 81.93 N 50 W 103, Alameda. W A Meyer vs Wm V and M L Martin and A Christensen $88
Apr. 21, 1922—LOT 28 BLK C Map of 4th Ave Terrace, Oakland. John C Maxwell as the Maxwell Hardware Co vs George P and Marian Guyot and A T Hendricks....$201.30

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount
April 25, 1922—NW NINETEENTH Ave and SW line S. P. Co. right-of-way SW 150 NW 176.97 SW 633.66 NW 73.17 NE 629.68 SE 472.96, Oakland. J H Fluth to Shartzer Illuminated License Plate Co.....$415
Apr. 21, 1922—S FOURTH 75 W Franklin W 150 S 100, Oakland. Robert King to Louis Bruzzone, et. al. $150

Notice of Non Responsibility

ALAMEDA COUNTY

April 25, 1922—LOTS 114, 107, 59 and 60, 112, 120, 163, 156, 153, Rssbdvn Blk "D" Meek Estate Orchards, Eden Tp. H W Meek Estate, Inc as to improvements on property.....
April 26, 1922—LOT 154 Resbdvn Blk "D" Meek Estate Orchards, Eden Tp. H W Meek Estate, Inc as to improvements on property.....
April 24, 1922—NW GORDON AVE and N San Leandro Road N 112.22 NW 40 SW 127.6 E 43, Oakland. Henry S Delamere as to improvements on property .....

HOMESTEADS

ALAMEDA COUNTY

April 27, 1922—LOT 15 Map Key Route Station Tct, Berkeley. Birdie L Thomas (wf John M).....$3000
April 27, 1922—S ALCATRAZ AVE 213.05 E Herzog E 10xS 134, Oakland. Annello Simi $2500
April 24, 1922—LOT 6 BLK 7 Map Thousand Oaks Station Tract, Berkeley. Dorothy B Crump (wf G M) $5000
April 22, 1922—SW FAIRMOUNT AV 184.45 NW Walsworth Ave NW 50xSW 122, Oakland. Clare M Lanyon (wf James).....$5000
Apr 22, 1922—NW FIFTY-SEVENTH Ave 167 NE E-11th NE 50xNW 129.43, Oakland. Laurentino J and Ambrosia J Mendonca $1500
April 24, 1922—SE MILES AVE 210 SW Hudson SW 30xSE 100, Okd. William Klenhaupt. $3500
Apr 24, 1922—NW TWENTY-EIGHTH and West W 100xN 52, Okd. J B Rittler $4500
April 22, 1922—S SIXTY-FIFTH 86 W Dana W 34.86xS 115, Oakland. Rosina Valente (wf Chas V)...$3200
Apr. 21, 1922—E WALKER AVE. 215 N Weldon Ave N 50 E 160, Oakland. Grace A Prosser (wf Francis R) $2000
Apr. 21, 1922—S SAN JOSE AVE. 40 E Pearl E 40 S 90, Alameda. Daisy Kaufman (wf Herben J).$5000

BUILDING CONTRACTS

SANTA CLARA COUNTY.

$1,000 and Over Reported

COTTAGE
SIXTEENTH AND SAN SALVADOR Sts., San Jose. Six-room cottage.
Owner—Geo. E. Freeland
Architect—None.
Contractor—C. V. Brown 336 N-17th St., San Jose. $4500

ALTERATIONS
MARKET AND POST STS., San Jose Alter front.
Owner—Home Union, Inc., Premises.
Architect—None.

Contractor—H. A. Bridges, Pine and Lincoln Sts., San Jose. $1800

DWELLING
PALO ALTO. All work except plate glass for two-story frame dwelling and garage.
Owner—A. S. Peterson, Burlingame.
Architect—A. H. Larsen, 1231 28th Ave., San Francisco.
Contractor—H. A. Spreen, Sunnyvale.
Filed Apr. 17, '22. Dated Mar. 30, '22.
Frame up $1988.50
1st coat plaster on..... 1988.50
When completed 1988.50
Usual 35 days..... 1988.50
TOTAL COST, $7954.00
Bond, $4000. Sureties, Mrs. H. A. Spreen and I. Lind. Limit, 90 working days after April 1, 1922. Forfeit, none. Plans and specifications filed.

RESIDENCE
BLOCK 3 LOT 6, Hanchett Tract, San Jose. All work for one-story frame residence.
Owner—Adaline Wilcox, San Jose.
Architect—Benj. Ouimet, East and San Fernando Sts., San Jose.
Contractor—Benj. Ouimet, East & San Fernando Sts., San Jose.
Filed Apr. 15, '22. Dated Apr. 12, '22.
Frame up $1240
1st coat plaster on..... 1240
Completed and accepted..... 1240
Usual 35 days..... 1240
TOTAL COST, $4960
Bond, $2480. Sureties, R. J. Ouimet & H. J. Pascoe. Limit, 36 working days from April 12, 1922. Forfeit, none. Plans and specifications filed.

BUILDING
PALO ALTO. All work for building.
Owner—Ira W. Kibby, Palo Alto.
Architect—None.
Contractor—Phillip Darr.
Filed Apr. 19, '22. Dated Apr. 15, '22.
Frame up and sheathing on..$919.15
Plastering finished 919.15
Building completed 919.15
Usual 35 days 919.05
TOTAL COST, $3676.50
Bond, $3000. Sureties John Dudfield & W. L. Burkhart. Limit, 61 working days from April 15, 1922. Forfeit, $-a day. Plans and specifications filed.

FRAME BUILDING
PALO ALTO. All work for two-story and basement frame building.
Owner—George M. Perine.
Architect—C. A. Meussdorffer, 802 Humboldt Bank Bldg., San Francisco.
Contractor—D. K. Frasier and L. D. Frasier (as Frasier & Frasier), 180 Josefa St., San Francisco.
Filed Apr. 21, '22. Dated Apr. 20, '22.
Frame up $3000.00
Brown coated 757.75
Standing finish in place..... 3500.00
Completed and accepted 3000.00
Usual 35 days 1219.25
TOTAL COST, $16,877.00
Bond, none. Limit, [illegible] working days from April [illegible], 1922. Forfeit, none. Plans and specifications filed.

PLUMBING AND GAS FITTING ON above.
Contractor—[illegible] A. Christensen and A. C. Anderson (as Christensen & Anderson), Palo Alto.
Filed Apr. 21, '22. Dated Apr. 20, '22.
Roughed in and tested $741.00
Completed and accepted 741.00
Usual 15 days 296.25
TOTAL COST, $1778.00
Bond, none. Limit, [illegible] working days after April [illegible]. Forfeit, none. Plans and specifications on file.

ALTERATIONS
MOUNTAIN VIEW. Alterations and additions to bank building.
Owner—Farmers & Merchants Savings Bank, Mountain View.
Architect—M. J. West Co., 285 Market St., San Francisco.
Contractor—J. S. Sampson & Co., Monadnock Bldg., San Francisco.
Filed Apr. 21, '22. Dated Apr. 20, '22.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $18,370
Bond, $9185. Surety, Globe Indemnity Co. Limit, 100 working days. Forfeit none. Plans and specifications filed.

MARBLE WORK ON ABOVE.
Contractor—Joseph Musto Sons-Keenan Co., 535 North Point St., S. F.
Filed Apr. 24, '22. Dated Apr. 20, '22.
Payments same as above.....
TOTAL COST, $2100
Bond, $1050. Surety, Fidelity & Deposit Co. of Maryland. Limit, 70 working days. Forfeit, none. Plans and specifications filed.

ORNAMENTAL BRONZE WORK ON above.
Contractor—California Artistic Metal & Wire Co., 349 7th St., S. F.
Filed Apr. 24, '22. Dated Apr. 20, '22.
Payments same as above.....
TOTAL COST, $3310
Bond, $3310. Surety, National Surety Co. Limit, 70 working days. Forfeit, none. Plans and specifications filed.

CABINET WORK ON ABOVE.
Contractor—Ostlund & Johnson, 1901 Bryant St., San Francisco.
Filed Apr. 24, '22. Dated Apr. 20, '22.
Payments same as above.....
TOTAL COST, $4625
Bond, none. Limit, 70 working days. Forfeit, none. Plans and specifications filed.

ADDITION
PALO ALTO. All work for reinforced concrete addition to library.
Owner—Library Board, City of Palo Alto.
Architect — Birge M. Clark, Stanford University.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Filed Apr. 24, '22. Dated Apr. 21, '22.
As work progresses..... 75%
Usual 35 days 25%
TOTAL COST, $28,592
Bond, $28,592. Surety, Fidelity & Deposit Co. of Maryland. Limit, Oct. 1, 1922. Forfeit, $10 a day. Plans and specifications filed.

DWELLING
NAGLEE PARK, San Jose. All work for one-story dwelling and garage.
Owner—Raymond T. Wilkins, 532 N-17th St., San Jose.
Architect—None.
Contractor—C. L. Kingdon & C. H. Youngher, San Jose.
Filed Apr. 21, '22. Dated Apr. 21, '22.
Frame up $415.50
Roof completed 415.50
Notice of completion filed..... 415.50
Usual 35 days 415.50
TOTAL COST, $1662.00
Bond, none. Limit, 52 working days from April 21, 1922. Forfeit, none. Plans and specifications filed.

DWELLING
GEORGE AND SAN PEDRO STS., San Jose. Two-part dwelling.
Owner—H. S. Kelley, 70 George St., San Jose.
Architect—None.
Day's work. $1950

BRICK BLDG.
S-FIRST ST. near William, San Jose. One-story brick business building.
Owner—F. Mattenberger and W. Allender, 455 S-First St., San Jose.
Architect—None.
Day's work. $4500

COTTAGE
S-TWENTIETH ST. near Santa Clara, San Jose. Five-room cottage.
Owner—Alice A. Evans.
Architect—None.
Contractor—V. H. Coates, 214 S-19th St., San Jose. $1850

PRE-COOLING BLDG.
FIFTH AND LEWIS ST., San Jose. Pre-cooling building.
Owner—J. F. Pyle & Sons, King Road, San Jose.
Architect—None.
Contractor—F. L. Hoyt, 343 Reed St., San Jose. $7500

COTTAGE
THIRTEENTH ST. near Washington, San Jose. Five-room cottage.
Owner—Vincent Genco.
Architect—None.
Contractor—Carl Maurer, 370 W-San Fernando St., San Jose. $3000

COTTAGE
SAN ANTONIO AND TWENTY-FIRST Sts., San Jose. Four-room cottage.
Owner—A. Sagadio.
Architect—None.
Day's work. $1400

COTTAGE
S-EIGHTH ST. near William, San Jose. Five-room cottage.
Owner—John Lannin, 52 Little Delmas St., San Jose.
Architect—None.
Contractor—T. J. Lannin, 312 S-9th St., San Jose. $4300

ADDITION
900 BLOCK S-FIRST ST., San Jose. Additional story.
Owner—R. Liguori, 328 Carlisle St., San Jose.
Architect—None.
Contractor—W. E. Phillips. $1200

COTTAGE
SIXTH AND HUMBOLDT STS., San Jose. Six-room cottage.
Owner—L. Marino, 175 Margaret St., San Jose.
Architect—None.
Day's work. $3000

COTTAGE
NO. 117 N-THIRTY-THIRD ST., San Jose. Four-room cottage.
Owner—E. E. Weldon, 115 N-33rd St., San Jose.
Architect—None.
Day's work. $1900

ALTERATIONS
NO. 661 N-FIRST ST., San Jose. Alterations.
Owner—G. H. Anderson, Premises.
Architect—None.
Contractor—Chas. Thomas, 536 S-8th St., San Jose. $6000

COTTAGE
PARK AND JOSEFA STS., San Jose. Three-room cottage.
Owner—Joe Raggine.
Architect—None.
Day's work. $1200

BUNGALOW
LOS GATOS. All work for one-story bungalow, without basement, one garage and septic tank.
Owner—Anna Mary Foster, Los Gatos.
Architect—None.
Contractor—C. E. Bacon, Los Gatos.
Filed April 25, '22. Dated April —, '22.
Garage built and foundation in..$ 500
Roof on, building enclosed.... 800
Upon completion 1000
31 days after 1160
TOTAL COST, $3460
Bond, $2000. Surety, United States Fidelity & Guaranty Co. Limit, 66 working days from date of agreement. Forfeit $5. Plans and specifications filed.

FRAME BUILDING
SAN JOSE. All work for one-story frame building.
Owner—Mrs. M. S. Lara.
Architect—None.
Contractor—A. J. Nielsen, 156 S-20th St., San Jose.

Filed Apr. 25, '22. Dated Apr. 24, '22.
All studdings and plates in place $936.75
Roof, rustic, electric wiring and lathing done 936.75
Building completed 936.75
Usual 35 days 936.75
TOTAL COST, $2547.00
Bond, none. Limit, 60 working days from April 24, 1922. Forfeit, none. Plans and specifications filed.

ADDITION
BASSETT ST., San Jose. All work for one-story frame addition.
Owner—The Stewart Fruit Co., Wells Fargo Bldg., San Jose.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—Hastings Bros., 524 E-St. James St., San Jose.
Filed Apr. 25, '22. Dated Apr. 22, '22.
Foundation completed $912
Frame erected and enclosed 912
Upon completion 912
Usual 35 days..... 950
TOTAL COST, $3686
Bond, $2000. Sureties, Otto E. and E W. Schnabel. Limit, 30 days from Apr. 25, 1922. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

Recorded Accepted
April 21, 1922—HANCHETT RESIdence Park, San Jose. Lambert Skillman to whom it may concern .....April 20, 1922
April 21, 1922—RACE ST., San Jose. Wm H Norman to whom it may concern..... .....April 20, 1922
April 21, 1922—RACE ST., San Jose. Wm H Norman to whom it may concern.....April 19, 1922
April 22, 1922—LOT 11, Murphy- Columbet Sdbvn No. 3, Santa Clara County. Will M Tipton to Wm Ducoty.....April 20, 1922
April 17, 1922—SAN JOSE. Rosalia Grafaglione to Burnett Morrell... .....April 10, 1922
April 17, 1922—LOT 14 Naglee Terrace Tract, San Jose. J E Rooker to J A Wagner.....April 17, 1922
April 18, 1922—PALO ALTO. Louisa B Osborn to whom it may concern .....April 17, 1922
April 19, 1922—ROSE LAWN, San Jose. Henry C Wells to whom it may concern.....April 13, 1922
April 20, 1922—SAN JOSE. Frank F Ferreira to whom it may concern.....April 10, 1922
April 20, 1922—SAN JOSE. Georgia E Jamison to William H O'Neil... .....April 15, 1922
Apr 20, 1922—NO. 273 S-FIFTEENTH St., San Jose. Joe Donovan to F J Huxtable.....April 12, 1922
April 20, 1922—LOT 18 of Brown Sbdvn, San Jose. B J Smith to whom it may concern..April 20, 1922
April 20, 1922—SAN JOSE. T P Mitchell to C C Lewis and H M Nelson (as Lewis & Nelson)..... .....April 19, 1922

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
April 21, 1922—COUNTY OF SANTA Clara. Karl Fagerlund vs Trigonia Oil & Gas Co and Continental Oil & Mineral Co $489
April 22, 1922—SAN JOSE. G E Lenzen Co, Inc vs William R and Inez Floy Falyor and E Ralston ...$47.43
April 18, 1922—LOS GATOS. Los Gatos Lumber Co vs P Enfantino.. .....$413.68

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded Amount
April 22, 1922—SAN JOSE. Henry Cowell Lime & Cement Co to E G Finley, Salvadore P and Tony R Cristina $76.48
April 19, 1922—LOT 4 BLK 1 of the C. H Caldwell Subd, Santa Clara County. O Lewis & Co, $249.60; Los Gatos Lumber Co, $274.39; Nuss Hardware Co, $92.05 to Antonio and Celestine Vivaldo and C E Bacon..

BUILDING CONTRACTS

FRESNO COUNTY

$5,000 and Over Reported

APARTMENTS
NO. 1116 ROOSEVELT ST., Fresno Apartment house.
Owner—E. J. Johnson, 2424 Moroa St., Fresno.
Architect—None.
Contractor—W. H. Johnson, 1112 Roosevelt St., Fresno. $9000

STORE
NO. 361 E ST., Fresno. Store.
Owner—Carl Vogt, 849 B St., Fresno.
Architect—None.
Day's work. $8000

PUBLISHING BLDG.
NO. 1555 VAN NESS AVE., Fresno. Three-story and basement reinforced concrete newspaper publishing building.
Owner—J. McClatchy Co., Sacramento.
Architect—L. F. Starks, Ochsner Bldg., Sacramento.
Contractor—Geo. Hudnutt, California Fruit Bldg., Sacramento. $100,000

DWELLINGS
NO. 954, 958 and 960 DIVISADERO ST., Fresno. Three dwellings.
Owner—F. L. Montague, Premises.
Architect—None.
Contractor—O. D. Atkins, 3338 Lowe St., Fresno. $2800 each

BRICK BLDG.
LOT 17 and Ptn Lot 18 Blk 79, Fresno. All work for two-story and basement brick building.
Owner—H. L. Mellen, 612 J St., Fresno.
Architect—Glass & Butner, Cory Bldg., Fresno.
Contractor—C. P. Keesling, 3414 Lowe St., Fresno.
Filed April 18, '22. Dated April 17, '22
Basement completed $3000
2nd floor joists in place..... 3000
When roof is on..... 3000
Completed and accepted..... 3000
Usual 35 days..... 4000
TOTAL COST, $16,000
Bond, $8000. Sureties, W. E. Curran and C. J. Crawford. Limit, 65 days. Forfeit, none. Plans and specifications filed.

REPAIRS
NO. 202 BROADWAY, Fresno. Repair store.
Owner—A. Mattei, 200 I St., Fresno.
Architect—None.
Day's work. $8000

APARTMENTS
NO. 633 MILDREDA ST., Fresno. Apartment house.
Owner—J. R. Jorgensen, 2522 Tulare St., Fresno.
Architect—None.
Contractor—W. A. Duncombe, 2727 Fresno St., Fresno. $15,000

RESIDENCES
REAR ½ LOTS 17 TO 22 BLK 28, Fresno. Two frame and stucco residences.
Owner—Wong Lena and Lee Toy.
Architect—Glass & Butner, Rowell Bldg., Fresno.
Contractor—Fisher & McNulty.
Filed Apr. 22, '22. Dated Apr. 21, '22.
Basement completed and 1st floor joists in place.....$2835
2nd floor rafters in place..... 3000
Roof on and building latned... 3000
Completed 3000
Usual 35 days..... 3945
TOTAL COST, $15,780
Bond, $8000. Surety, Massachusetts Bonding & Insurance Co., Limit, 70 working days. Forfeit, none. Plans and specifications filed.

DWELLING
NO. 503 FRESNO ST., Fresno. Dwelling.
Owner—Paul Kindler, 145 N Van Ness Ave., Fresno.
Architect—None.
Day's work. $5000

APARTMENTS
NO. 1545 N-VAN NESS AVE., Fresno. Apartment house.
Owner—Helen E. Oeltjen, Fresno.
Architect—None.
Contractor—Nels N. Nelsen, 848 Roosevelt St., Fresno. $15,000

APARTMENTS
NO. 815 DUDLEY AVE., Fresno. Four flat apartment house
Owner—E. Riggins, 317 Mason Bldg., Fresno.
Architect—None.
Day's work. $15,000

DWELLINGS
NO. 1315-21 TULARE, Fresno. Two dwellings.
Owner—Lulu Wong, Fresno.
Architect—None.
Contractor—Fischer & McNulty, $7903 and $7890 respectively

COMPLETION NOTICES

FRESNO COUNTY.

Recorded Accepted
Apr. 25, 1922—LOTS 15 AND 16 BLK 8, High Add, Fresno. Trewhitt-Shields Co to whom it may concern.....Apr. 24, 1922
Apr. 25, 1922—LOTS 7 TO 10 BLK 27, Fresno. Fresno Macaroni Mfg Co to whom it may concern.Apr. 24, 1922
Apr. 25, 1922—LOTS 31 AND 32 BLK 1, Sierra Vista Add, Fresno. Fresno Building Cptn to whom it may concern.....Apr. 24, 1922
Apr. 24, 1922—LOTS 17 AND 18 BLK 55, East Fresno, Fresno. W A Edgerly to whom it may concern .....Apr. 24, 1922
April 21, 1922—LOTS 18 AND 19 BLK 5, Torrance Terrace, Fresno. F H McGinnis to whom it may concern .....April 20, 1922
April 21, 1922—LOTS 1 AND 2 BLK 2, Cleveland Tract, Fresno. W P Heidewald to whom it may concern.....April 19, 1922
April 21, 1922—LOT 5 BLK 14, Wilson North Fresno Tract, Fresno. F R Quick to whom it may concern.....April 19, 1922
April 21, 1922—LOT 11 BLK 38, Fresno. Mary F Wilson to whom it may concern.....April 19, 1922
April 21, 1922—LOT 7 BLK 48, Sierra Vista Addition, Fresno. Fresno Bldg Cptn to whom it may concern..... April 13, 1922
April 22, 1922—PTN LOT 3, Burlingame Villa Park, Fresno. Marietta Hays to whom it may concern... .....April 13, 1922
April 22, 1922—LOTS 19 AND 20 BLK 20, North Park Terrace, Fresno. Joseph K Tuttle to whom it may concern.....April 21, 1922
April 22, 1922—LOT 4, Kutned Co., Fresno. Harry Misakian to whom it may concern.....April 13, 1922
April 15, 1922—LOTS 29 AND 30 BLK 7, Windsor Terrace, Fresno. Elva C Person to whom it may concern. .....April 14, 1922

April 15, 1922—M ST. CROSSING, Fresno. Southern Pacific Co to whom it may concern..April 5, 1922
April 17, 1922—MALAGA SCHOOL District, Fresno. Malaga School District to whom it may concern.. .....April 18, 1922
April 17, 1922—LOTS 19 AND 20 BLK 94, Fresno. C Collazzo to whom it may concern.....Mar. 10, 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount
April 20, 1922—N ½ OF SE ¼ OF NE ¼, S ½ of S ½ of NE ¼ of NE ¼ of Sec. 27, 14-21, Fresno. Keech Co vs Z Najarian.....$202
April 15, 1922—W 9 FT. LOT 27, Lot 28, all Lot 29 (except W 18 ft), Speedway Tract, Fresno. L Rosenberg vs L L Muller.....$419
April 15, 1922—E 18 FT. LOT 27, All Lot 26, Speedway Tract, Fresno. L Rosenberg vs L L Miller.. .....$546
April 15, 1922—LOTS 29 AND 30 BLK 6, Dean Park, Fresno. P S Dunn vs J A Bondon $98
April 15, 1922—LOTS 29 AND 30 BLK 6, Dean Park, Fresno. Independent Elec. Co vs J A Bondon $62
April 18, 1922—LOTS 38 AND 39 BLK 8, Van Ness Heights, Fresno. T A Osborne vs Carl D Hovsepian....$95
April —, 1922—LOTS 9, 10 AND 11 Blk 2, Hazelton Addition, Fresno. M Gashagorzian vs M K Avakian $77

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

$2,500 and Over Reported

RESIDENCE
SACRAMENTO AND CLEVELAND STS., Stockton. Residence and garage.
Owner—L. B. Grillitts, 135 E-Washington St., Stockton.
Architect—None.
Day's work. $8006

ALTERATIONS
E-WEBER ST., Stockton. Remodel.
Owner—Vignolo & Piccardo, 1326 N-Van Buren St., Stockton.
Architect—None.
Day's work. $3000

CHURCH
N-EL DORADO ST., Stockton. Two-story brick and reinforced concrete church.
Owner—Presbyterian Church, Stockton.
Architect — Davis-Heller-Pearce Co., Delta Bldg., Stockton
Contractor—Daniels & Green, Stockton. $120,000

GARAGE
N-AMERICAN ST., Stockton. Garage.
Owner—A. L. Branch, 330 N-California St., Stockton.
Architect—None
Day's work. $8000

RESIDENCE
W-WILLOW ST., Stockton. Residence and garage.
Owner—F. C. Mitchell, 1155 W-Vine St., Stockton.
Architect—None
Day's work. $5875

RESIDENCE
W-FLORA ST., Stockton. Residence.
Owner—Mrs. J. D. Young, Stockton.
Architect—None
Day's work. $15,000

RESIDENCE
FISHER ADDITION, Stockton. Residence.
Owner—Michael Massa.
Architect—None.
Day's work. $2500

ADDITION
N-CALIFORNIA ST., Stockton. Add to old home.
Owner—St. Joseph's Home, Stockton.
Architect—None.
Day's work. $6000

SERVICE STATION
E-WEBER ST., Stockton. Service station.
Owner—J. B. Ghiorzo, 1429 E-Flora St., Stockton.
Architect—None.
Contractor—Standard Oil Co., Weber and B Sts., Stockton. $5000

FLATS
N-BAKER ST., Stockton. Flats and garage.
Owner—F. J. Berry, % Bon Ton Co., Stockton.
Architect—None.
Day's work. $9350

DWELLING
E VINE ST., Stockton. Dwelling and garage.
Owner—Albert A. Gilbeau, 1045 S-California St., Stockton.
Architect—None.
Day's work. $9150

RESIDENCE
N-COMMERCIAL ST., Stockton. Residence and garage.
Owner—A. Sattui, 508 S-San Joaquin St., Stockton
Architect—None.
Day's work. $8256

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
April 17, 192—LOT 15 BLK 6, Yosemite Terrace, Stockton. W T and Margaret O'Brien to M K Kelly .....April 14, 1922

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
April 19, 1922—PARCEL 2, LOT 40 of the North Orchard of Acampo Orchards Sec. 21, 22, 27 and 28, T 4 N R. 7, E, Stockton. Lodi Lumber Co vs O B Chaney and Gustav Baumer $940.87
April 19, 1922—N ½ LOTS 10 AND 12 Blk 16, West of Center St., Stockton. Simpson-Gray Lumber Co vs Luigi De Mattei, Giacomo De Mattei and McGregor & Wells.....$929.87
April 21, 1921—N ½ LOTS 10 AND 12 Blk 16, West of Center St., Stockton Roberts & Clark, $193; E McGregor, $128; E Goldworthy, $4; C H McClure, $4; Willard Hardware Co, $21 76, E E Wells, $120; E Goldworthy and C H McClure$4.50 vs Luigi and Giacomo De Mattei.....

BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 and Over Reported

DWELLING
NO. 523 TWENTY-FOURTH ST., Sacramento. One-story 5-room dwelling and garage.
Owner—Anna E. Williams, 1010 8th St., Sacramento.
Architect—None.
Day's work. $2950

DWELLING
NO. 3522 FOLSOM ST., Sacramento. One-story 5-room dwelling and garage.
Owner—C. Valine, Box 370, Sacramento.
Architect—None.
Day's work. $2800

FLATS
NO. 1116 SEVENTH ST., Sacramento. Flat building (8 rooms each).
Owner—Adam Keller, 2204 K St., Sacramento.
Architect—None.
Contractor—Barton & Dudley, 619 J St., Sacramento. $12,651

DWELLING
NO. 2611 M ST., Sacramento. Two-story double 4-room dwelling and garage.
Owner—F. M. Tiller, Maydestone Apts., Sacramento.
Architect—None.
Contractor—J. W. Brown, 3216 S St., Sacramento. $8000

DWELLING
NO. 5435 FOURTEENTH AVE., Sacramento. One-story 5-room dwelling.
Owner—W. E. Trainor, 813 J St., Sacramento.
Architect—None.
Contractor—E. D. Brier, 813 J St., Sacramento. $2750

DWELLING
NO. 2330 S ST., Sacramento. One-story 5-room dwelling and garage.
Owner—A. Martensen, 2912 O St., Sacramento.
Architect—None.
Contractor—Thos. B. Hunt, 2926 S St., Sacramento. $3900

DWELLING
NO. 708 THIRTY-SEVENTH, Sacramento. One-story 5-room dwelling and garage.
Owner—J. G. Black, 1330 P St., Sacramento.
Contractor—Thos. B. Hunt, 2926 S St., Sacramento. $3950

DWELLING
NO. 1012 THIRTY-EIGHTH, Sacramento. One and one-half story 7-room dwelling and garage.
Owner—Thos. B. Hunt, 2926 J St., Sacramento.
Architect—None.
Day's work. $7500

DWELLING
NO. 810 TWENTY-SIXTH, Sacramento. One and one-half-story eight-room dwelling and garage.
Owner—Jens C. Peterson, 2808 10th St., Sacramento.
Architect—None.
Contractor—E. D. Brier, 813 J St., Sacramento. $7000

DWELLING
NO. 1046 FORTY-THIRD, Sacramento. Two-story 8-room dwelling and garage.
Owner—Lon G. Brayton, 7th and K Sts., Sacramento.
Architect—None.
Contractor—L. F. Gould, 600 Ventura Ave., Sacramento. $8000

DWELLING
NO. 3982 H ST., Sacramento. One-story 5-room dwelling.
Owner—Simpson Bros., 2612 P St., Sacramento.
Architect—None.
Day's work. $4000

DWELLING
NO. 1440 FORTY-THIRD, Sacramento. One-story 5-room dwelling and garage.
Owner—Miss Irma Goshnour, 815 17th St., Sacramento.
Architect—None.
Contractor—W. T. Childers, 1220 18th St., Sacramento. $4500

FLATS
NO. 2724-26 Q ST., Sacramento. Two-story (4) flats (4 rooms each).
Owner—Dr. J. H. Burden, M St. Road.
Architect—None.
Contractor—E. Thomas, 2021 24th St., Sacramento. $11000

DWELLING
NO. 2564 FRECOURT BLVD., Sacramento. One-story 5-room dwelling
Owner—G. A. Richardson, Casa Del Ray Apartments, Sacramento.
Architect—None.
Contractor—L. G. Granger, Sacramento. $2500

ALTERATIONS
NO. 1919 O ST., Sacramento. Remodel into 2 apartments (4 rooms each) and store beneath.
Owner—Ed. I. Hanson, Broderick St., Sacramento.
Architect—None.
Contractor—Truesdale Martin, 2116 N St., Sacramento. $3500

DWELLING
NO. 3622 Y ST., Sacramento. One-story 5-room dwelling and garage.
Owner—T. H. Showler, 3000 S St., Sacramento.
Architect—None.
Contractor—C. N. Chatterton, 2119 F St., Sacramento. $4200

DWELLING
NO. 3717 H ST., Sacramento. One-story 5-room dwelling and garage.
Owner—R. T. Burnside, 1345 32nd St., Sacramento.
Architect—None.
Contractor—C. Koch, 3418 L St., Sacramento. $2600

DWELLING
NO. 1054 SANTA YNEZ, Sacramento. One-story 5-room dwelling and garage.
Owner—M. R. Carroll, 1221 Q St., Sacramento
Architect—None.
Contractor—C. Koch, 3418 L St., Sacramento. $3000

FLATS
NO. 3511 J ST., Sacramento. Two-story building 4 flats (4 rooms each) and garage.
Owner—Mr. and Mrs. V. A. Robinson, 1326 K St., Sacramento.
Architect—None.
Contractor—G. E. Harvie, 2212 T St., Sacramento. $14,600

ALTERATIONS
NO. 716 TWENTY-SEVENTH ST., Sacramento. Raise and finish lower floor.
Owner—W. L. Morton, 720 27th St., Sacramento.
Architect—None.
Contractor—P. F. Reed, 2545 28th St., Sacramento. $3500

FLATS
NO. 3144 FIFTH AVE., Sacramento. Two-story building 2 flats of five rooms each and garage.
Owner—Grace Connelly, 3058 5th Ave., Sacramento.
Architect—None.
Contractor—B. W. Graves, 1806 O St., Sacramento. $5500

DWELLING
NO. 1015 FORTY-SEVENTH ST., Sacramento. One-story 5-room dwelling and garage.
Owner—Wright & Kimbrough, 817 J St., Sacramento.
Architect—None.
Day's work. $2950

DWELLING
NO. 1925 THIRTY-FIFTH ST., Sacramento. One-story 5-room dwelling and garage.
Owner—Anna E. Williams, 4212 San Venito St., Sacramento.
Architect—None.
Day's work. $29,500

DWELLING
NO. 612 TWENTY-SIXTH ST. Sacramento. One-story 5-room dwelling and garage.
Owner—H. M. Earle, 3610 Dolores Way, Sacramento.
Architect—None.
Day's work. $3500

DWELLING
NO. 1910 SEVENTEENTH ST., Sacramento. One-story 5-room dwelling and garage.
Owner—W. H. Jeffery, 1917 16th St., Sacramento.
Architect—None.
Contractor—Thos. B. Hunt, 2926 S St., Sacramento. $3500

DWELLING
NO. 1332 FORTY-SECOND ST., Sacramento. Two-story 6-room dwlg.
Owner—W. B. Phillips, 1512 38th St., Sacramento.
Architect—None.
Day's work. $4800

DWELLING
NO. 2301 THIRTIETH, Sacramento. Two-story 6-room dwelling and garage.
Owner—A. J. Silva, 604 P St., Sacramento.
Architect—None.
Contractor—J. A. Lucas, 1604 V St., Sacramento. $4500

DWELLING
NO. 2909 Y ST., Sacramento. One-story 6-room dwelling.
Owner—Geo. J. Preitkis, 2419 19th St., Sacramento.
Architect—None.
Contractor—M. Furtado, 2425 18th St., Sacramento. $3500

FLATS
NO. 1620 S ST., Sacramento. Two-story building (4 flats 4-rooms each and garage).
Owner—John Stassi, 1620 S St., Sacramento.
Architect—None.
Contractor—M. A. Fratis, 1728 S St., Sacramento. $10,000

DWELLING
NO. 3148 T ST., Sacramento. One-story 5-room dwelling.
Owner—Annie Powell, 2109½ J St., Sacramento.
Architect—None.
Contractor—Robt. Powell Co., 1309 6th St., Sacramento. $3300

DWELLING
NO. 932 THIRTY-THIRD, Sacramento. One-story 5-room dwelling.
Owner—Sarah Burton, 3020 K St., Sacramento.
Architect—None.

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Contractor—Jos. Edenhofer, 3300 2nd Ave., Sacramento. $2900

DWELLING
NO. 1331 FORTY-FIRST, Sacramento. Two-story 8-room dwelling and garage.
Owner—Horace H. Harding, 2000 Sloat Way, Sacramento.
Architect—None.
Day's work. $8000

DWELLING
NO. 3156 T ST., Sacramento. One-story 5-room dwelling and garage.
Owner—Mrs. Frank Harrison, 2109½ J St., Sacramento.
Architect—None.
Contractor—Robt. Powell Co., 1309 6th St., Sacramento. $3500

FLATS
NO. 2516-18 M ST., Sacramento. Two-story building (4 flats 4 rooms each and garage).
Owner—Mrs. M. G. Cousins, 601½ K St., Sacramento.
Architect—None.
Contractor—G. E. Harvey, 2212 T St., Sacramento. $15,000

DWELLING
NO. 4225 T ST., Sacramento. One-story 5-room dwelling and garage.
Owner—Geo. Spillman, 717 8th St., Sacramento.
Architect—None.
Contractor — Kilborn & Egge, 1421 S St., Sacramento. $4000

COMPLETION NOTICES

SACRAMENTO COUNTY.

Recorded Accepted
Apr. 20, 1922—W 60 FT. LOT 2 O P 22nd and 23rd, Sacramento. Mrs Lena E Leake to whom it may concern.....Apr. 20, 1922
April 23, 1922—LOT 11, Price Villa, Sacramento. Mary Silva to whom it may concern. ... ...Mar. 23, 192.
April 13, 1922—LOT 6 BLK 8 and Lot 19, Blk 10, Sbdvn No. 2, Tuxedo Park, Sacramento. Sterling Bldg. Co. to whom it may concern..... .... April 6, 1922
Apr. 10, 1922—LOTS 1, 2, 3, 4, 5, 6 and 7, NW 26th and 27th, Sacramento. Sacramento City School District to whom it may concern .....Apr. 10, 1922

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
Apr. 13, 1922—LOT 1576 and N ½ Lot 1577 W & K Tct 24, Sacramento. Sunset Lumber Co vs M J and Rose B Ferguson $1018.32

BUILDING CONTRACTS

SAN MATEO COUNTY

DWELLING
LOT 10 BLK. 57 Eastern Addition 6. Burlingame. Furnish and construct two-story frame residence and garage.
Owner—A. Porter Robinson, Crocker Bldg., San Francisco.
Architect—None.
Contractor—Leadley & Wiseman, 207 2nd St., San Mateo.
Filed Apr. 18, '22. Dated Apr. 18, '22
Frame up $2375
Plastered 2375
Completed and accepted..... 2375
Usual 35 days..... 2375
TOTAL COST, $9,500
Bond, none. Limit, $120 days. Forfeit, $10 day. Plans and specifications filed.

AMUSEMENT PARK
PACIFIC CITY, Burlingame. Furnish and construct archway and entrance, bandstand and bathhouse.
Owner—Pacific City, Sharon Bldg., San Francisco.
Architect—None.
Contractor—B. W. Cameron and A. D. Disston, Hearst Bldg., San Francisco.
Filed Apr. 19, '22. Dated Apr. 8, '22
Every 15 days.....85%
Usual 35 days.....15%
COST PLUS 10%
Bond, none. Limit, on or before May 26, 1922. Forfeit, none. Plans and specifications, none.

GARAGE
SAN MATEO DRIVE near Howard Ave., Burlingame; garage known as Pacific Garage. Construct and furnish one-story concrete garage.
Owner — Herbert C. Vielbaum, San Francisco.
Architect—None.
Contractor—The Burlingame Building Co., Inc., 1202 Broadway, Burlingame.
Filed Apr. 18, '22. Dated Apr. 6, '22
Execution of contract.....$1000
Within 10 days..... 2000
Within one month from expiration of 10 days..... 2000
TOTAL COST, $5,000
Bond, none. Limit, on or before June 25, 1922. Forfeit, none. Plans and specifications filed.

FOUNDATION
PACIFIC CITY, near Burlingame and San Mateo. All work for piling foundation for bath houses.
Owner—Pacific City, San Mateo.
Architect—None.
Contractor—Renner Foundation Co. by G. A. Renner, 14 Lloyd St., S. F.
Filed Apr. 27, '22. Dated Apr. 25, '22.
Upon completion 75%
Usual 35 days..... 25%
TOTAL COST, $2700
Bond, $1356. Surety U. S. Fidelity & Guaranty Co. Limit, May 10, 1922. Forfeit, none. Plans and specifications filed.
NOTE—Piles delivered, $8.00 each; lumber delivered, $37 per M.

RESIDENCE
LOCATION NOT GIVEN. All work for one-story residence and garage.
Owner—Arthur L. and Ora Scott, 217 State St., San Mateo.
Architect—None.
Contractor—Unit Builders, 315 2nd St. San Mateo.
Filed Apr. ——. Dated Apr. 24, '22.
Frame up $1500
Plaster finished 1500
Completed 1500
Usual 35 days..... 1500
TOTAL COST, $6000
Bond none. Limit, on or before Aug. 24, 1922. Forfeit, none. Plans and specification filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Apr. 25, 1922—LOT 22 BLK 18, Easton No. 3, Burlingame. W. F. Gelebert to whom it may concern Mar. 27, 1922
Apr. 18, 1922—LOT 22 BLK 27, Easton Add. Burlingame No. 2, Burlingame. W. O. Nicolaides to whom it may concern.....Apr. 18, 1922

BUILDING CONTRACTS

CONTRA COSTA COUNTY

FLATS
N CHANNING ST. between 6th and 7th Sts., Richmond. Four flats.
Owner—M. J. Gordon, 115 7th St., Richmond.
Architect—None.
Contractor—E. A. F. Carson, 542 4th St. Richmond. $8000

FACTORY
NE. NEVIN AND SECOND STS., Richmond. Galvanized iron factory building.
Owner — Decora Mfg. Co., 201 Nevin Ave., Richmond.
Architect—None.
Day's work. $3500

STORE
S MACDONALD AVE bet. 22d and 23d Sts., Richmond. One-story hollow tile store.
Owner—Fred Florin, Fall River Mills, Shasta Co., Calif.
Architect—None.
Contractor—K. J. Henning, 546 Forty-third St., Richmond. $3500

The Observer.

(Continued from Page 4)

The Pacific Gas & Electric Company has reduced wages for common laborers in its construction camps on the Pit river from $3.25 to $3.00 a day of eight hours.

Walter Barber, former city purchasing agent for Long Beach, has been appointed assistant city manager.

The Lamoine Lumber & Trading Co., operating at Lamoine, Shasta County, will start operations within the next ten days. There will be a small reduction in the wage scale, according to officials of the company.

The Broadway Wallpaper and Paint Store, operated by Walter Wellsfry and Fred Heck, has opened quarters in the Randall Bldg., 7th and Broadway, Chico.

The Union Pacific Railroad will spend approximately $29,000,000 in improvements this year. The program includes two extensions, one in Utah and another in Southern California.

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California Vegetable Union will erect packing plant at Newark, Alameda county, according to announcement of Chamber of Commerce of that place. Structure will be erected in neighborhood of S. P. tracks.

The La Blume Soap Company of Paris, contemplates the establishment of a $1,000,000 plant in Oakland, according to an announcement of E. H. Hart, secretary of the Oakland Merchants' Exchange. The soap the company manufactures is made principally of lemons.

The Barber Asphalt Paving Co. announces that the name of the firm will after March 31, 1922, be changed to the Barber Asphalt Co. The change involves no alteration in the organization or obligations of the company.

City Commissioner W. H. Edwards, of Oakland, urges an appropriation to construct main outlet sewer in Seventh street. Proposed sewer would cost $150,000.

Carl L. Shuff, state supervisor of reclamation for Washington, has tendered his resignation, effective April 1.

The Marysville Builders' Association of Marysville, Calif., has recommended to city council that building inspector be appointed to supervise all construction work, including electrical wiring and plumbing.

Placerville votes $10,000 in bonds to purchase auto fire engine.

The Feather River Lumber Co., at Portola, Plumas county, will commence operations April 20, according to G. A. Slacke, assistant manager of the company. It is proposed to cut 100,000 feet a day with a crew of 150 men.

Sacramento Northern Railroad will construct large warehouse at Meridian, Sutter county, to house barley and rice crops.

City of Auburn votes down bond issue of $65,000 for a municipal water plant.

Siskiyou County Supervisors postpone indefinitely the construction of the proposed $200,000 county hospital.

Pioneer Electric Co., formerly located at 318 Macdonald avenue, has moved to larger quarters at 1111 Macdonald avenue. Due to increased business the firm, composed of J. R. Cravath and C. S. Renwick, was compelled to seek a new location.

DAILY PACIFIC BUILDER

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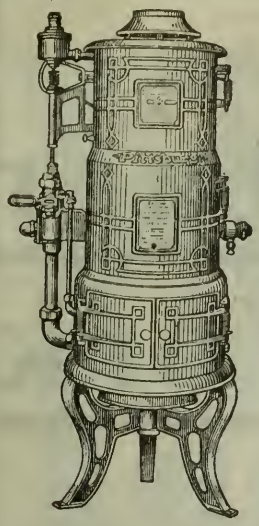

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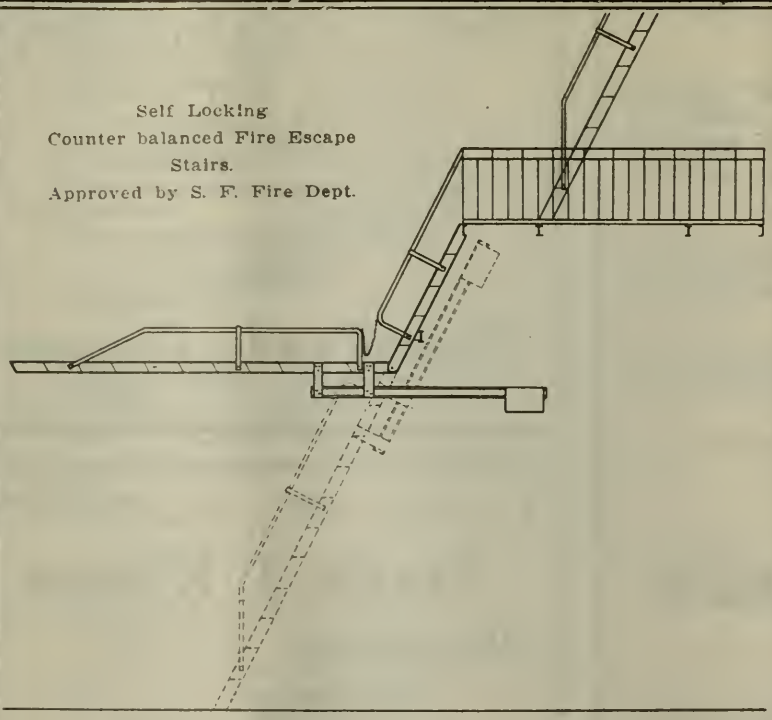

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Publication Office
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SAN FRANCISCO, CALIF., MAY 6, 1922

Published Every Saturday
Twenty-second Year No. 18

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1. Stronger than the Strongest Bolt.

Cinch anchoring specialties give the only anchorage guaranteed to hold beyond the tensile and shearing strength of any wrought iron or steel bolt, as well as the breaking strength of the nut. They will not crush or otherwise mar the face of masonry. Vibration will not loosen the grip of the anchorage.

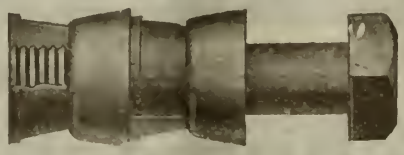
2. Cut Drilling Costs

Cinch anchoring specialties require a hole of less depth than any other expansion device, affording a great saving of labor and time in drilling, and a substantial saving of material because of the shorter length of bolt needed.

3. Easy to Install in Any Position.

Cinch anchoring specialties are easy to install in any position. They can be set in masonry with the head of the bolt out of or in the hole. Expansion can be completed before work is lifted into place and bolted fast.

A two-unit plain Cinch anchor consists of a two-unit, plain, cinch anchorage fitted on a standard machine bolt with nut. Figure 1 shows a two-unit Cinch anchor, before expansion. Note that the order of the parts is iron, lead, iron lead.

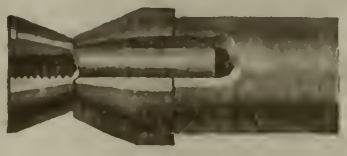


A two-unit Threaded Cinch anchor consists of a two-unit Cinch anchorage threaded, fitted on a standard machine bolt. Fig. 2 shows an anchor before expansion.

Cinch Drive Sleeve Expansion Bolt

Here is the Cinch Drive Sleeve Expansion Bolt—a bolt that can be installed as quickly and easily as driving a nail.

No calking tool is necessary to install this bolt. All that is to be done is to drill the hole, drop the bolt into it and a few



raps with a hammer drives the shield securely into the masonry.

The anchorage is permanent and will not vibrate loose. When the bolt is installed simply place the work in position and screw bolt into the shield.

This bolt is also supplied without the drive sleeve and the shield is expanded by using an ordinary iron pipe.

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday | SAN FRANCISCO, CALIF., MAY 6, 1922 | Twenty-second Year No. 18

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Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

BONDS FOR ROAD BUILDING TO BE CONTINUED NEED

As of March 31, the Bond Buyer points out, there is actually authorized and unsold a total of $102,675,840 county and district road bond issues and $83,569,772 additional bonds are reported as being in the proposed stage. On the same day the following issues of State road bonds were being considered:

Proposed.

Georgia	$75,000,000
Kentucky	50,000,000
Montana	15,000,000
Oregon	15,000,000
South Carolina	20,000,000
Tennessee ....$10,000,0000 to	50,000,000
Virginia	12,000,000
Washington	36,000,000
Wisconsin	50,000,000

Authorized

Alabama	$25,000,000
California	34,878,000
Colorado	3,000,000
Illinois	60,000,000
Michigan	29,500,000
Missouri	60,000,000
New Jersey	40,000,000
New Mexico .N.	2,000,000
Pennsylvania	50,000,000

The grand total of all these issues is $763,123,612 to $805,123,612.

During the calendar year 1921 road bonds aggregating $282,742,752 were sold and the first three months of 1922 the sales of bonds for this purpose amounted to $60,483,547.

Road building, due to the tremendous development of the automobile and motor truck, has become the most important activity (for which capital must be borrowed through the sale of bonds) of counties and states.

BALTIMORE ENGINEER ENGAGED BY UNIVERSITY OF CALIFORNIA

Announcement is made by the College of Mechanics of the University of California of the appointment of Charles F. Gross of Baltimore, Md., as Professor of Marine Engineering and Naval Architecture. Professor Gross is a member of the Society of Naval Architects and Marine Engineers and of the American Society of Naval Engineers. He is a graduate of the Massachusetts Institute of Technology, after which he was an instructor at the United States Naval Academy, Annapolis, Md., in the Department of Marine Engineering and Naval Construction. He has also been associated with the Union Shipbuilding Company of Baltimore, for several years.

The course in Marine Engineering and Naval Architecture in the University started in January, 1918, under the instruction of Professor D. W. Dickie, well-known naval architect of the Pacific Coast. The courses were then under the direction of the United States Shiping Board. After the armistice, the courses were changed to fit the regular curriculum of the College of Mechanics, thereby enabling students to major in Marine Engineering and Naval Architecture.

Latest statistics show that Universities offering similar courses have at present their greatest enrollment despite the depression in shipbuilding. From the number of students that are at present taking the courses it is not unfair to predict that the University of California will be the center for technical training along this line on the Pacific Coast.

In connection with the regular courses in Marine Engineering and Naval Architecture students are advised to make summer cruises, serving in the engine rooms of ocean going vessels. Tentative arrangements have been made with several shipping companies to place students in such positions this summer.

PRELIMINARIES FOR RINCON HILL PROJECT COMPLETED

City Engineer M. M. O'Shaughnessy of San Francisco, has submitted his report to the Board of Public Works, on the cost of the Rincon Hill regrade together with the tabulated list of all property owners and frontages. With this report was another containing a list of assessments and the amount each necessary to complete the improvements.

Engineer O'Shaughnessy's report shows that the total cost would be $3,971,884, divided into three general items. These are:

For excavations, streets, sidewalks, pavements and other street improvement, $1,846,236.

For damages to property, realty, improvement, interruption of business, etc., $1,950,648.

For incidentals, including cost of engineering work, collection of assessments, etc., $175,000.

The excavation work needed is for 1,685,666 cubic yards of material, much of which, O'Shaughnessy points out, can be useful in making the Islais Creek fill, where industrial sites would be reclaimed.

Within the proposed assessment district are 4854 parcels of real estate, covering 750 acres, and including practically the whole of the downtown district.

The assessment per square foot of land is scaled from .006 cents to .182, which is much lower than was the Stockton street tunnel assessment.

MARCH BUILDING OPERATIONS IN TWELFTH FEDERAL RESERVE DISTRICT

John Perrin, Chairman of the Twelfth Federal Reserve District, in his monthly report comments upon March building activities as follows:

The value of building permits issued in March, 1922, was the highest figure ever recorded in this district, exceeding the previous record month of October, 1921, by 17.5 per cent and the month of March, 1921 (also an active month), by 47.9 per cent. This percentage is the more significant when allowance is made for the decline of approximately 6 per cent in wholesale prices during this period. The advent of the spring season of outdoor work and a belief in the comparative stability of present prices of building materials were apparently the major factors in initiating this record building program, which should be much to relieve the present shortage of many types of buildings.

Reports from the building departments in 20 principal cities of this district show 11,196 permits issued during March with a valuation of $27,432,286, compared with 9,757 permits issued during March, 1921, with a valuation of $18,542,835, or an increase of 14.7 per cent in number and 47.9 per cent in value during the year. During the first quarter of 1922 there were 27,094 permits with a valuation of $69,222,030 issued in the same 20 cities compared with 22,086 permits with a valuation of $39,268,659 issued in the first quarter of 1921. These figures represent an increase of 5,008, or 22.6 per cent, in number and of $29,954,371, or 76.2 per cent, in value of building permits issued during the period January 1 to March 31, 1922, compared with the same period in 1921. Seasonal improvement in construction activity is shown by the fact that building permits issued during March were greater in number in all cities and greater in value in 16 cities than in February.

CONCRETE EXPERT TO ADDRESS AMER. SOC. OF ENGINEERS

A special meeting of the San Francisco Chapter, American Society of Civil Engineers, has been called for Monday evening, May 8, at the Engineers' Club, 57 Post street, San Francisco, to hear Mr. Duff Abrams, professor in charge, Structural Materials Research Laboratory, Lewis Institute, Chicago, to talk on "Scientific Methods of Making Concrete."

Prof. Abrams is well known to engineers engaged in construction work through his studies and tests of concrete, and is recognized as an authority on the subject. A large attendance is expected. Members are invited to bring guests to the meeting.

The ambition to control something or someone besides herself or himself takes up a lot of time of both the male and "female of the species."

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

San Francisco is building. The blare of the trumpet "Build Now" is heard above the howlings of the pessimist and the Doubting Thomases who seek postponement of building at this time with the hope of obtaining lower labor and material costs.

Every section of the city shows activity The snorting of steam shovels, the rat-a-tat of the rivet guns, the puffing of hoisting equipment, the rolling of concrete mixers and the sound of the hammer is heard in every street.

All classes of building are included in the program. From the humble cottage of the toiler, the elaborate mansion of the millionaire, the latest type of theatre and business building, to the most modern factory building

Architects, contractor and material dealers are confident of a long and active building season and look for the year 1922 to be the biggest in the history of the city. Judging from the activities of the past four months, 1922 building operations will exceed those following the earthquake and fire of 1906 by many millions of dollars.

A Feature of the San Francisco program is the notable increase in home building activities. While this type of construction is going ahead at a brisk pace, the activities are far from what they should be. Before the housing problem in San Francisco is solved the erection of homes will have to continue for the remainder of the year, and briskly.

Apartment house construction is on the increase, and indications are that this type of building will be a big factor in swelling the record of operations for the year, as will the construction of residential flats. Those who build to sell find a ready market for the latter building, especially those of the two-family type.

Building operations in San Francisco for the month of April, just closed, total $3,993,720, which amount exceeds that of February by $1,162,729 and that of March $704,469. Compared with the month of January this year the figures of April show a loss of $1,535,258.

Activities for April are segregated as follows: One class A building, $250,000; two class B, $490,000; 26 class C, $581,972; 311 frames, $1,832,644; 424 alteration, repairs and additions to standing structures, $350,519, and two projects undertaken by the Municipality, $488,585.

Los Angeles leads Pacific Coast cities in building operations for the month of April with a total of $12,959,686; San Francisco runs second with $3,993,720, and Long Beach third with a total of $2,475,597. Compared with the month of March the following cities show gain: San Francisco, $704,469; Fresno, $33,508; Los Angeles, $1,994,857; Long Beach, $1,321,514; Spokane, Wash., $56,772. Following cities show a loss when compared with total valuations for March: Sacramento, $281,434; Oakland, $75,417; San Diego, $247,254; Tacoma, Wash., $17,716; Seattle, $159,495. (Portland Ore., totals not received).

Following is total valuation of improvements for which permits were issued during the past month:

Los Angeles	$12,959,686	San Diego	$821,446
San Francisco	3,993,720	Fresno	641,474
Long Beach	2,475,597	Sacramento	532,303
Oakland	1,850,160	Spokane	359,190
Seattle	1,632,175	Tacoma	291,715

Associated Press dispatches from Washington are authority for the statement that a formal complaint has been issued by the Federal Trade Commission against the Douglas Fir Exploitation and Export Company and 107 stockholders and officers in the respondent association, who are lumber manufacturers in the states of Oregon, California and Washington. The complaint charges conspiracy to hinder and obstruct competition, and alleges that the respondent association is engaged solely in the export trade, and that it therefore does not come within the jurisdiction of the Webb-Pomerene Act. The respondents are given the usual thirty days in which to answer, after which the case will be tried on its merits. (Issuance of the complaint follows an investigation made by the commission into conditions in the Douglas fir region of the Pacific Coast, on which a report was made to Congress about a year ago.)

The properties of the Union Rock Company, which operates five crushing plants in Los Angeles county, with a daily capacity of 10,000 tons, have been purchased by George A. Rogers and associates Rogers is president of the Rogers Bros. Co., highway contractors of Los Angeles

Requests filed with the Alameda County Builders' Exchange Employment Bureau, indicate a growing demand for skilled craftsmen in the building trades in the Eastbay cities. The May first report of J. E. Schilling, in charge of the office, shows that during April, 646 men were placed, 120 more than the month of March. The demand has been growing throughout the year. In January 398 men were placed, February 413 and in March 526. Indications are that May will exceed the April figure. As in the previous months the demand for carpenters exceeded all other demands; 193 of these skilled mechanics were placed in April against 178 in March The report shows that there is still a shortage of skilled plasterers brick layers, plumbers, roofers and electricians.

A total of $21,293,898 has been realized from the sale of state lands and timber up to March 30, from original grants to the state of Washington, by the federal government, according to figures issued by State Land Commissioner Clark V. Savidge, which includes amounts yet due on contracts of sale. This money goes into the six permanent school funds to be reinvested, as only the interest can be used to maintain the state's educational system.

The Mexican Chamber of Commerce of the United States has been incorporated under the laws of the State of New York. The objects of the chamber shall be the promotion of business and economic relations between Mexico and the United States, the spreading of general information of reciprocal interest and to foster friendly, neighborly feelings. The directorate is composed equally of citizens of both countries. Offices are located at 45 Bolivar St., Mexico City, and Woolworth Bldg., New York.

On April 20 Superior California received the first output of hydro-electric power from the new generating equipment installed in the Drum power house of the Pacific Gas & Electric Company in Placer county. The new generator is rated at 20,000 horsepower. This is the third unit to be installed in this plant, and raises the total installed capacity from 33,000 to 53,000 horsepower.

Structural steel orders received in March, according to Bridge Builders' Structural Society, totaled 139,000 tons, equal to 77 per cent of capacity of bridge and structural shops of the country. Orders received in February were 78,000 tons, or 43½ per cent of the capacity, and in March of last year 52,300 tons; March 1920, 150,400 tons.

A number of amendments to the Los Angeles city building ordinance have been adopted by the city council, one requiring permits for certain work in fire districts costing less than $75! another revising regulations for temporary structures in fire districts and the third modifying provisions for false chimneys and false fireplaces.

Merchantable timber growing in California, if cut into lumber, would build 43,000,000 five-room houses, sufficient to house almost twice the present population of the United States, according to Paul G. Redington, U. S. District Forester. California is the fifth state in amount of production, cutting about one and four-tenths billion feet annually.

The Santa Fe Railway plans immediate development of the Warner's water system in the northern section of San Diego county. Huge reservoirs will be constructed impounding millions of gallons of water annually. Development of arid lands in both San Diego and Orange counties is contemplated.

Southern Pacific Co., awards contract to General American Car Co. East Chicago, Ill., to build 2000 single sheathed automobile cars. Contracts to build 3300 refrigerator cars for the Pacific Fruit Co., have been awarded to the Standard Steel Car Co., and General American Car Co.

Klamath Falls lumbermen, meeting in the Palace Hotel, San Francisco, May 1, decided to renew operations on a nine-hour basis. By a unanimous vote they rejected the Oregon board of reconciliation's recommendation for an eight-hour day.

ALONG THE LINE

John William Guthrie, for twenty years plumbing inspector for the city of Sacramento, died at his home, 5500 J street, that city, on May 1. Guthrie was 72 years of age and was one of the oldest residents of Sacramento.

George H. Rowe, for the past year an assistant engineer of the Board of Public Utilities of Los Angeles, assigned to telephone work, has resigned to accept a similar position with the California State Railroad Commission.

Work of electrifying the plant of the Carlisle-Pennell Lumber Co., at Carlisle, Wash., and installing a monorail system to handle lumber has been started. The improvement will cost $250,000.

H. E. Wheeler has been appointed secretary-treasurer of the California Lumbermen's Association in place of J. Hal Hunter. The office is now located at 302 Lumbermen's Building, San Francisco.

W. S. Farley, San Francisco engineer, has been commissioned by the City Trustees of Grass Velley to prepare estimates of cost for paving approximately three miles of streets.

Thos. Day Co., of San Francisco, dealers in lighting fixtures, has opened branch offices in Cronin Building, Sacramento, with J. Fred La Place, in charge.

The $277,000 issue of Stockton High School bonds sold for a premium of$14,-677. Proceeds of the sale will finance school improvements.

The headquarters of the Nevada State Highway Department has been moved into the Heroes Memorial Building just south of the Ormsby County Court House, at Carson City.

J. N. Boles will be a candidate for the office of surveyor of Colusa county at the coming election.

Chas. H. Middleton, timberman, died in San Francisco, April 22, following a brief illness.

Petitions seeking the establishment of a municipally-owned water system are being circulated at Bakersfield.

City trustees of Tracy plan paving of streets. Work estimated to cost, $100,741.

Yard and mill of the Jas. H. Hardy Lumber Co., San Francisco, suffers $35,-000 fire loss.

C. R. Wright has resigned as port engineer of Hoaquim, Wash.

D. D. Martin has been appointed building inspector at Merced, Calif.

OAKLAND ENGINEERS RETURN FROM INVESTIGATION TRIP

Following a month's investigation of the most important water sources and development projects in the United States, three technical engineers of the East Bay Water Company returned to Oakland.

The purpose of the trip was to obtain information for studies of water development in the east bay district and for east bay cities.

An investigation as to the bringing in of a distant source of supply is now under way, and the trip east was for the purpose of obtaining the most modern ideas of development and was one of the first steps in the investigation.

The party included Harry Reinhardt, assistant chief engineer; George W. Hawley, engineer in charge of future water supply investigation and construction; and P. E. Magerstadt, designing engineer.

George H. Wilhelm, vice president and general manager of the company, has estimated that the present close-in supply of water in the east bay will be sufficient for nine or ten years only, and that actual construction work on a distant source must be started in 1926.

While on the eastern trip, engineers gave special attention to modern methods of filtration, development in construction of dams and to distant sources of supply.

CLOSED SHOP CONTRACTOR CANNOT PURCHASE MATERIALS

A. Lettich, who holds the plumbing contracts on the Parkside, Adams, Columbus and Horace Mann schools, has requested the Board of Public Works to grant him extensions of time in which to complete the work. Lettich charges he is unable to purchase materials required because of his failure to operate his business under the American Plan of employment. In his request for the time extensions Lettich names five of the leading plumbing houses in San Francisco which refused to sell him materials "even though cash payments were offered."

Lettich, according to reports, declares he is willing to purchase the materials in Los Angeles—at a loss—if he continues to find a closed market in San Francisco. Contracts held by Lettich on San Francisco schools total approximately $50,000.

HOLDS LUMBER INDUSTRY IS NOT FACING SLUMP

The statement of the findings of the State Conciliation Board, which held arbitration meetings with striking workers and operators at Klamath Falls, Ore., and which found in favor of the eight-hour day and a minimum wage scale of $3, also takes issue with several important contentions by the operators.

The statement concedes there are unusual conditions attaching to the pine industry in Klamath county, but does not concur with the operators' statement that it would be impossible or even difficult, to secure unskilled labor on the eight-hour basis at wages which would necessarily attach thereto, nor that the men would seek competing plants in northern California, where the longer day might reflect larger earning power.

It holds that the operators' statements that the lumber industry is facing at this time a depression likely to continue is not confirmed by trade reports.

LOWER RATES ARE LOOKED FOR

Northern California electric power companies are given reason to look for material rate reductions within the near future, as the result of an intimation from the State Railroad Commission that it may be expected to adhere to the same policies in deciding the valuation proceedings of the Pacific Gas and Electric Company as were laid down in ordering the Southern California Edison and the San Joaquin Light and Power Company to lower tariffs.

The Great Western Power Company has similar proceedings pending before the commission.

The reduction forecast developed when Commissioner Chester H. Rowell advised Attorney C. P. Cutten, representing the P. G. & E., that if he wished to argue against the recently announced policies of the commission, "he should prepare for it very fully before the entire commission, so that a very mature decision on these matters could be given."

Adherence to the policies in question would undoubtedly result in substantial reductions to P. G. & E. and Great Western consumers, officials of the railroad commission point out.

AUSTIN MACHINERY CORPORATION ELECTS DIRECTORS

At the annual meeting of the stockholders of the Austin Machinery Corporation, the following directors were elected: B. A. Linderman, Ralph Crews, Clay Hollister, Samuel McRoberts, C. A. Peckham, John R. Shaw and Hon. C. W. Watson.

Officers elected are: B. A. Linderman, President, John R Shaw, vice-president; William Werntz, secretary and J. R. Van Keppel, treasurer.

Executive committee consists of Samuel McRoberts, Ralph Crews, Hon. C. W. Watson and B. A. Linderman.

The Company reports unusual expansion in the sales organization, and many additions to its already expansive line of Road Building, Excavating Irrigation and Contractor's Machinery.

OAKLAND CITY ENGINEER ORGANIZES FIRE DEPARTMENT

W. W. Harmon City Engineer of Oakland, has organized a new fire department at the city corporation yard, Ninth and Fallon streets.

As a result of the new organization, every member of the city's yard has his rank and number in the fire department and has his place on the motor pumping engine which resides at the yard. His duty is not only to protect the corporation yard, with its many wooden buildings and its $300,000 worth of public materials, but also to suppress possible fires among automobiles parked during Auditorium events.

MOST P. G. & E. STOCKHOLDERS LIVE IN CALIFORNIA

Approximately 80 per cent of the stockholders of the Pacific Gas & Electric Co. are residents of California, according to A. F. Hockenbeamer, vice-president and treasurer of that utility. A recent report further discloses the fact that at the close of 1921 the total number of share holders was 18,814, indicative of the widespread distribution of the ownership of the company among people of moderate means is the fact that 9,831, or 52 per cent, hold ten shares or less. Only 1059 stockholders own more than 100 shares.

Grazing and lumbering add to the State's prosperity and depend upon the forests. Forest fires kill the green trees and destroy the grass.

ROSEVILLE WATER PROJECT WILL COST $45 AN ACRE

That 40,000 acres of lands lying westerly of the Southern Pacific Railroad and extending from Lincoln, Placer County, on the north, to Antelope, on the south, can be irrigated at a cost not to exceed $45 an acre, is the announcement made by Richard P. Doolan landowner in the proposed district, instrumental in having surveys made. The report was compiled by engineers A. J. Cleary, Charles W. Landis and Jerome R. Doolan, all of San Francisco.

Plans call for a 13,000-foot canal, from the river to Orangevale Hill, beneath which a 6,000-foot tunnel will be driven. The water then will be dropped to a reservoir, southeast of Roseville. The storage will be drawn upon only during the late Summer, the gravity flow from the American being considered sufficient for all demands of the irrigators at other seasons.

PORTLAND CEMENT SPECIFICATIONS ADVANCED TO AMERICAN STANDARD

The "Specifications and Tests for Portland Cement," for which the American Society for Testing Materials is sponsor, have been advanced to the full status of "American Standard" by the American Engineering Standards Committee. The specifications, which have been developed as a result of the experience of the industry through several years, were first approved by the A E S C as "Tentative American Standard" in 1919. They were reapproved in 1921 after agreements had been reached which eliminated slight differences between the Government and the commercial specifications, resulting in nationally recognized uniform specifications.

AMERICAN PLAN DEVELOPING IN BAKERSFIELD

The Joint Committee of the Bakersfield Builders' Exchange and the Industrial Association of Bakersfield, Inc., of which C. D. Brown is chairman, has sent out the following letter to members of the Exchange and the Industrial Association:

"You are hereby instructed to ascertain the number of men in your employ who are willing to work with non-union men; discharge all those who are not willing to do so, and report to the office of the Industrial Association of Bakersfield, Inc., or to the president of the Bakersfield Builders' Exchange, the number of mechanics who are willing to work under the above conditions; also the number of men required to fill the places of those refusing.

"We are taking steps to fill your requirements along these lines, in order that we may properly operate under the American plan."

ALAMEDA PENCIL COMPANY TO CAPITALIZE FOR $1,000,000

The Listo Pencil Company of Alameda will be incorporated for $1,000,000 within the next few days, according to announcements. The Evans Distribution Company of Los Angeles has signed a contract for $200,000 with the company, and will become the Pacific coast representatives of the new corporation.

The factory floor space will be increased 1,000 square feet, and the output increased to 500 pencils a day. Charles Wehn, founder, will remain as president of the corporation.

Concrete--Standard Type of Construction--for California's Highways

The 1922 program of State highway work in California includes a wide variety in the classes and types of construction, says Thos. E. Stanton, Assistant State Highway Engineer, in The Constructor, the official publication of the Associated General Contractors of America.—There are approximately 700 miles of highway construction included in the program. This mileage is divided approximately into the following sub-divisions; 450 miles of grading and graveling; 160 miles Portland cement concrete base unsurfaced; 23 miles asphaltic concrete base and surface; and 82 miles bituminous macadam.

Grading Work

The grading work to be done runs from very light grading in the valleys and open country of the State to exceptionally heavy and in some cases very difficult excavation in the mountainous districts. Probably the most difficult grading which will be encountered is to be found along the coast in Ventura County. South of Oxnard, where the steep bluffs running down in deep water along the ocean shore and the exceptionally rugged nature of the country for a short distance make it impossible to even cross-section the work prior to construction, in order to determine the grading quantities.

For this reason, the portion which cannot be cross-sectioned is being done at present time by day labor, in order to get through to other locations a road which can be more accurately cross-sectioned for the determination of grading quantities, on the basis of which it will be possible to award contracts.

Other sections where very heavy grading will be encountered are along the coast in Humboldt County, between Trinidad and Orick, in Monterey County south of Big Sur, in Mariposa County on the lateral into the Yosemite Valley, along the Kern River east of Bakersfield, and on the Cuyama lateral in Santa Barbara County east of the first crossing of the Cuyama or Santa Maria River.

Pavement Types

The standard type of pavement base construction in California is Portland cement concrete. In several cases, however, where the subgrade conditions are excellent an asphaltic concrete base has been specified. In other cases, such as across the desert east of Holtville in the Imperial Valley, where the water and the ability to secure satisfactory construction materials present serious difficulties, the asphaltic type of construction has been adopted.

On several of the laterals and more lightly traveled roads the bituminous macadam type is being constructed. Very excellent success has been had in California with this type of construction. Two sections constructed very nearly ten years ago, one in Madera County and one in Yuba County, have given most excellent satisfaction. Climatic conditions in California are such as to give assurance that the bituminous macadam type can be constructed and maintained at a very reasonable cost.

From the above, it will be seen that there is a wide variety of problems to be encountered on highway work in California. Road work is under construction in localities ranging from several hundred feet below sea level, where extreme heat in the summer time prevails, to elevations several thousand feet above sea level, where snow and frost conditions are severe in the winter time.

COMMERCIAL BUILDING COMPANY ORGANIZED AT SAN JOSE

Articles of incorporation have been filed in San Jose by the Commercial Building Company, whose purpose it is to erect a class A, steel frame office building, on the "Music Hall" property in North First Street adjoining the Bank of San Jose. Directors of the new company are: Wm. K. Beans, Dr. Raymond T. Wayland, E. O. Pieper, E. N. Richmond, A. J. Hart, W. B. Reilly, John R. Kocher, F. O. Reed, V. L. Lamotte, Dr. M. F. Hopkins, J. A. Porter, A. E. Holmes, Max Blum, Wm. J. Cross and James Beatty.

HOUSING SHORTAGE ENDS AT CHICAGO

With May moving practically finished, T. E. Donnelly, head of the Citizens' Committee to enforce the Landis wage award, estimated there is still 10,000 vacant apartments and residences in that city.

His estimate is based upon a survey which indicates that Chicago's erstwhile housing shortage is not only at an end but that a record breaking building boom now in progress assures supply of homes that always will exceed the demand. As a natural result it is pointed out that rentals, because of the surplus, must come down.

As another argument against birth control witness the lack of apprentices in the building industry.

COUNTY SAVES OVER $5000 DOING ITS OWN HIGHWAY WORK

On the two-mile unit on the township line road from the Tahoe-Ukiah highway south to Lincoln Road, which was completed some time ago, Sutter County saved the sum of $5337.08 by doing the work under the direction of County Engineer O. W. Lanzendorf, instead of awarding the same to the lowest bidder. In April of last year bids were received and the lowest was $18,925, which was much higher than the engineer's estimate. The bids were rejected and the work done by the county. The cost under the latter system was $13,587.92. The county furnished the rock and material, the bid and estimate being on the work. The total cost of the road, including material, was $21,499.67. The road is of oil macadam.

CONCRETE—STANDARD TYPE OF CONSTRUCTION—FOR CALIFORNIA'S HIGHWAYS

A smoking match tossed to one side, a camp fire left burning may start a holocaust that will leave in its wake charred tree trunks and ashes. Adopt the habit of being careful with fire and help to cut down the State's enormous annual fire loss.

A few architects, engineers and constructors occupying public offices would help a whole lot. They are educated and trained to do things.

Building News Section

APARTMENT HOUSES

Working Drawings Being Prepared.
APARTMENTS Cost, $60,000
SAN FRANCISCO. Sutter Street.
Five-story reinforced concrete apartment house (20 2-room apts.)
Owner—Withheld.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Figures to be Taken Next Week.
APARTMENTS Cost, $30,000
SAN FRANCISCO. Fifteenth Avenue near Balboa St.
Two-story frame and plaster apartment house (8 4 and 5-room apts. and basement garage).
Owner—Mr. Ortega.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Figures will be taken for a general contract.

Plans Completed.
APARTMENTS Cost, $32,000
OAKLAND, Alameda Co., Cal. N Grand Ave. 252 E Montecito.
Three-story frame 41-room apartment house.
Owner—W. L. Mitick, 1512 Broadway, Oakland.
Architect—Leonard Thomas.

Plans Being Prepared.
APARTMENTS, ETC. Cost, $100,000
LOS ANGELES, Cal. Thirty-fifth and Figuero Streets.
Two-story brick and concrete store and apartment building, 150x150 (4 sctores and public market).
Owner—R. M. Gale.
Designer — Allen & Hiller, 614 Union Bank Bldg., Los Angeles.

Contract Awarded.
APARTMENTS Cost, $16,000
FRESNO, Fresno Co., Cal. No. 1537 Wishon Avenue.
Frame apartment house.
Owner—G. C. Smith.
Architect—None.
Contractor — Roy Martin, Olive and Nursery Sts., Fresno.

To be Done by Day's Work.
APARTMENTS Cost, $17,000
OAKLAND, Alameda Co., Cal. S Lee St. 350 N Grand Ave.
Two-story 16-room frame apartments.
Owner—Edwin C. Graff 355 12th St., Oakland.
Architect—None.

To be Done by Day's Work.
APARTMENTS Cost, $10,000
OAKLAND, Alameda Co., Cal. W Harrison Blvd. 100 N Hamilton Place.
Two-story 16-room frame apartments.
Owner—A. P. Anderson, 5601 Adeline St., Oakland.
Architect—None.

Plans Being Figured.
APARTMENTS Cost, $7,000
BERKELEY, Alameda Co., Cal. San Pablo Ave. near University Ave.
Two-story frame and brick veneer apartment and store building.
Owner—Harry Leighton.
Architect — Schirmer-Bugbee & Co., 524 Thayer Bldg., Oakland

Contract Awarded.
APARTMENTS Cost, $16,000
FRESNO, Fresno Co., Cal. No. 651 Cambridge Avenue.
Frame apartment house.
Owner—Alice D. Bryant.
Architect—None.
Contractor—Yarnell & Garges, 1026 S. Fourth St., Fresno.

Contract Awarded.
APARTMENTS Cost, $22,000
SAN FRANCISCO. N Union St. 150 W Taylor St.
Three-story and basement frame (5) apartments.
Owner — A. Ponzini, 36 John St., San Francisco.
Architect—L. Traverso, 851 Union St., San Francisco.
Contractor—J. Martinelli, 1351 Mason St., San Francisco.

Plans Being Revised.
APARTMENTS Cost, $15,000
SAN FRANCISCO. W 20th Ave. 120 S Geary.
Three-story and basement frame apartment-flat building (2 apts. and 2 flats).
Owner—J. R. Sloan, 425 Kearny St., San Francisco.
Architect—W. H. Crim, 425 Kearny St., San Francisco.

Owner to Take Sub-Figures.
APARTMENT HOUSE Cost, $35,000
SAN FRANCISCO. Green St., near Polk.
Three-story and basement frame and plaster apartment house (9 4-room apartments).
Owner—A. Ramazotti (plumber), 1473 Vallejo St.
Architect—Morow & Garren, Chronicle Bldg., San Francisco.

Plans Complete.
APARTMENTS Cost, $25,000
SAN FRANCISCO. N Pacific Ave. 137 E Buchanan.
Three-story and basement frame (6) apartments.
Owner—Mrs. Hugh Johns.
Architect—Geo. A. Applegarth, Claus Spreckels Bldg., San Francisco.

Contract Award
APARTMENTS Cost, $25,000
SAN FRANCISC. W. Leavenworth 25 N O'Farrell.
4 story and basement concrete (16) apartments.
Owner—O. Monson.
Architect—D. C. Coleman, 110 Sutter St., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco.

Plans Being Completed
APARTMENTS $30,000
SAN FRANCISCO, W Scott North of Hayes.
Three-story and Basement frame and plaster Apartment House (6 4-room apartments).
Owner—H. Cohn.
Architect—S. Heiman, 57 Post St., San Francisco.

Plans Being Figured—Bids Close May 4, 1922.
ADDITION Cost, $12,000
SAN FRANCISCO. California St. and Palm Avenue.
One-story frame addition to present two-story apartment house
Owner—Mr. Quarg.
Architect — O'Brien Bros., 240 Montgomery St., San Francisco.

Contractor Taking Sub-Figures.
APARTMENT HOUSE Cost, $30,000
OAKLAND. Grand Ave. District.
Three-story frame and plaster apartment house.
Owner—Miss Ida Christiansen.
Architect—R. Vane Woods, Federal Bldg., Oakland, Cal.
Contractor—Henry Christiansen, Federal Realty Bldg., Oakland, Cal.

Plans Being Prepared.
STORE & APT. Cost, $——
BURLINGAME, San Mateo Co., Cal.
Two-story frame and plaster store and apartment building (8 apartment).
Owner—August Belfrage.
Engineer—J. W. F. Ryan, c/o Burlingame Building Co., 1202 Broadway, Burlingame.

BANKS

Contract Awarded.
BANK, ETC. Cost, $850,000
LONG BEACH, Los Angeles Co., Cal. Broadway and American Ave.
Twelve-story and basement and sub basement Class "A" steel and concrete office and bank building, 100 x100.
Owner—Ed. John, Long Beach.
Lessee of ground floor—City National Bank.
Architect—W. Horace Austin, 222 1st National Bank Bldg., Long Beach.
Contractor—J. D. Sherer, 1865 E-Anaheim Ave., Long Beach.

Plans being prepared.
BANK Cost, $30,000
OAKLAND, Fruitvale avenue and Hopkins Street.
One-story fireproof bank (type of construction not depicted).
Owner—American National Bank.
Architect—Edw. I. Foulkes, Crocker Bldg., San Francisco.

Contract Awarded.
ADDITION Cost, $45,000 approximately.
ALAMEDA, Cal. Central and Park Sts.
One-story addition to bank building.
Owner—Alameda National Bank.
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.
Contractor—Alfred H. Vogt 185 Stevenson St., San Francisco.

BONDS

CORNING, Tehama Co., Cal.—Election will be held May 6, in Corning Union High School District to vote bonds of $25,000 for school improvements. Trustees of District are: A. C. Hugg, A. D. Snyder, B. E. Glick and Minor Carter.

SANTA CRUZ, Santa Cruz Co., Cal.—Live Oak School District votes down $14,000 bond issue to finance construction of additional rooms to the present school.

CHICO, Butte Co., Cal.—Trustees of the Union School District will call an election to vote bonds of $40,000 to finance a new grammar school.

ST. HELENA, Napa Co., Cal.—Town Trustees sell $60,000 bond issue to purchase and improve water system for premium of $4,088.

VISALIA, Tulare Co., Cal.—Supervisors sell following bond issue: Visalia Elementary School District, $110,000 for premium of $11,823; Dinuba School District, $90,000 for premium of $10,001; Porterville School District, $80,000 for premium of $9800; Waukena Joint School District, $36,000 for premium of $2847. Proceeds of the sale in each case will finance school improvements.

SAN JOSE, Santa Clara Co., Cal.—Supervisors sell $120,000 bond issue of Los Gatos School District for premium of $6001; proceeds of sale to finance construction of new school; plans for which have been prepared by Architects Wyckoff & White, Growers' Bank Bldg., San Jose. Bids will be called for immediately.

STOCKTON, San Joaquin Co., Cal.—Stockton High School District bonds of $277,000 sold for a premium of $14,677; proceeds of sale to finance school improvements.

MARTINEZ, Contra Costa Co., Cal.—$20,000 issue of Danville School District bonds sold by supervisors for premium of $2000; proceeds of sale will finance 1-story frame and plaster school, plans for which are being prepared by Architect Jas. T. Narbett, 910 Macdonald Ave., Richmond.

STOCKTON, San Joaquin Co., Cal.—Three advisory propositions submitted to voters rejected at recent election. Propositions turned down follow: Development of municipally owned hydro-electric plant; amendment to charter extending term of franchise of Stockton Electric Railway Co.; acquiring and owning of Stockton Electric Railway Company's plant and system.

STOCKTON, San Joaquin Co., Cal—Voters refuse to endorse issue of $125,000 in bonds to finance installation of police and fire alarm signal system.

STOCKTON, San Joaquin Co., Cal.—City votes down $50,000 bond proposition to finance construction of bridge across Center St. and California St., at Mormon Channel.

SAN MATEO, San Mateo Co., Cal.—Until May 15 bids will be received by city trustees for purchase of $14,000 bond issue; proceeds of sale to finance construction of two reinforced concrete bridges. G. S. Whitehead, city engineer.

STOCKTON, San Joaquin Co., Calif.—Voters turn down proposition to issue bonds of $1,300,000 for acquisition, construction and completion of restraining dam on Calevaras river for protection and impounding of waters for municipal use.

SAN MATEO, San Mateo Co., Cal.—Until May 15, bids will be received by City Trustees for purchase of bonds: $35,000 issue for street improvements; $50,000 issue to widen and improve Baldwin Ave.; $25,000 for construction of main sewers. G. S. Whitehead, city engineer.

PACIFIC GROVE, Monterey Co., Cal Until June 5, bids will be received by the Supervisors for purchase of $10,000 bond issue of Pacific Grove High School District, proceeds of the sale to finance school improvements.

VACAVILLE, Solano Co., Cal.—May 22 is the date set in Vaca Valley Union School District to vote bonds of $75,000 for new school building.

KNIGHTS LANDING, Yolo Co., Cal. Bonds of $50,000 voted in Knights Landing Grammar School District; proceeds of the sale to finance new school building

CHURCHES

Plans Being Figured—Bids Close May 11, 1922.
CHURCH Cost, $60,000
VALLEJO, Solano Co., Cal. Carolina and Sonoma Streets.
Brick church.
Owner—First Baptist Church of Vallejo.
Architects — E. C. Hemmings, Ochsner Bldg., Sacramento, and W. A. Jones of Vallejo.

Completing Plans
CHURCH Cost, $150,000
HOLLYWOOD, Los Angeles Co., Cal. Morgan Place and Hollywood Blvd
Brick church (auditorium, 69x88; two-story and basement Bible school 54x125)
Owner—Hollywood Christian Church
Architect — Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.

Contract Awarded
CHURCH Cost, $10,500
CERES, Stanislaus Co., Cal Sixth and Lawrence Streets.
Church building.
Owner — Methodist Congregation of Ceres
Architect — F. Starbuck, 1550 Merced St., Fresno.
Contractor—W. Weymouth, Ceres, Cal

FACTORIES & WAREHOUSES

Contract Awarded.
FACTORY Cost, $——
RICHMOND, Contra Costa Co., Cal. Nevin and 2nd Sts.
One-story galvanized iron factory 40x90 with pressed brick front.
Owner—Decora Mfg. Co., 268 4th St., Richmond.
Architect—E. C. Carson, 542 4th St., Richmond.
Contractor—C. Theis, 234 Chanslor, Richmond.

Contract Awarded.
ADDITIONS Cost, $100,000
RICHMOND, Contra Costa Co., Cal. D and Clinton Sts.
One and three-story frame additions to factory.
Owner—Santa Fe Foundry Co., G. W. Penning, plant manager, Richmond, Calif.
Plans by owners.
Architect—P. M. Sanford, Richmond.

To be Done by Day's Work.
LOFT BLDG. Cost, $12,500
SAN FRANCISCO. S Howard St. 90 E Seventh St.
Two-story and basement concrete loft building.
Owner—E. V. Lacek, 180 Jessie St., San Francisco.
Architect—None.

Contract Awarded.
WAREHOUSE, ETC. Cost, $12,000
SAN FRANCISCO. Natoma and Fourth Streets.
One-story brick warehouse and office building.
Owner—Fernald Co., 221 Tehama St., San Francisco.
Architect — E. E. Young, 251 Kearny St., San Francisco.
Contractor—Atlas Concrete Co., 180 Jessie St., San Francisco.

New Segregated Figures Being Taken.
MACHINE SHOP Cost,$15,000
SAN FRANCISCO. S. Folsom St., bet. Fifth and Sixth Streets.
One-story brick and hollow tile machine shop.
Owner—Louis R. Lurie.
Architect—S. Heiman, 57 Post St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $11,000
SAN FRANCISCO. Howard near Fourth
Alter two-story reinforced concrete building for Bake-Rite Oven Mfg. Company.
Owner—Louis R. Lurie, Flatiron Bldg. San Francisco.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—Vukicevich & Bagge, 180 Jessie St., San Francisco.

TO BUILD ICE PLANT

HANFORD, Kings Co., Cal.—Hanford Ice Co., George C. Aydelott, president, will erect $60,000 ice plant east of the present cold storage warehouse on the S. P. reservation at the Santa Fe crossing. Will be of reinforced concrete and brick construction.

Contractor Taking Sub-Figures
WAREHOUSE Cost, $38,000
OAKLAND. Fourth and Harrison Sts.
Two-story brick warehouse.
Owner—A. B. Saroni and Grocers' Investment Co.
Architect—R. Vane Woods, Federal Realty Bldg., Oakland.
Contractor—Henry Christiansen, Federal Realty Bldg., Oakland.

LOS ANGELES, Cal.—Until 2:30 P. M., May 16, bids will be received by the Harbor Commission for constructing office section for transit shed at Berth No. 376, L. A. Harbor. Steel frame construction. Further information may be obtained at office of Secretary, Room 35, City Hall, Los Angeles.

TACOMA, Wash.—Unofficial reports from this city are that A. W. Quist Co., Seattle, Wash., at $413,907, is low bidder to construct transit shed No. 1, pier 2, for Port of Tacoma. Other bids: Tacoma Dredging Co., Tacoma, $444,087; J. E. Bonnell, Tacoma, $484,955; Grant Smith Co., Portland and Seattle, $511,190.

MARYSVILE, Yuba Co., Cal.—Contract for sheet metal, plumbing and drainage system for Virden Packing plant, now under construction, awarded to Booth & Herboth, 304 Third St., Marysville. McGillivray Constr. Co., Sacramento, general contractors.

FIREHOUSES AND JAILS

OAKDALE, Stanislaus Co., Cal.—A. L. Pontag submitted low bid to the City Trustees to construct a two-story brick fire house. J. Fowler, bid $8750. Bids taken under advisement. Jas. H. Horse, Ramont Bldg., Modesto, is the architect

SAN FRANCISCO.—Following bids received by Board of Public Works to construct Engine House No. 39 in Portola Drive, opposite Kensington Way. Plans were prepared by Architects Meyer & Johnson, Bankers' Investment Building:

General Construction

Robert Trost, 26th and Howard Sts. (low)	$31,832
Morton Builders	33,977
P. J. Lynch and A. Bryant	33,558

Electric Work

Dewey Electric Co., 1341 Valencia St. (low)	$1618
Butte Elec. Equipment Co.	1976
M. E. Ryan	1817
Globe Elec. Works	2100
F. E. Newbery	1800
Watts Elec. Co.	2100

Plumbing

A. Lettich	$4980
J. E. O'Mara, 443 Minna St.	4575
Oscar Aaron, 255 4th St. (low)	3195

NOTE: Aaron, low bidder for plumbing work, claims mistake in bid and will probably be allowed to withdraw.

Palace Hardware Co., 581 Market St., at $6393 submits only bid to furnish and install finish hardware in Mission High School.

FLATS

Contract Awarded.
BUILDING Cost, $13,000
OAKLAND. SE 107th Ave. and E-14th Street.
Two-story frame stores and flat building.
Owner—V. Capello, 919 Magnolia St., Oakland.
Architect—None.
Contractor—John Perona, 590 7th St., Oakland.

Contract to be Awarded
FRAME FLATS Cost, $13,700
SAN FRANCISCO. Funston Avenue N Geary Street.
Two-story and basement frame and plaster flats (1 6-room and 1 7-room).
Owner—Chas. Schmitz.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Fred Warden, 68 Concord St., San Francisco.

Plans Being Figured.
FLATS Cost, $10,000
SAN FRANCISCO. W Church near 28th Street.
Two-story frame flats.
Owner—Mr. Firenze.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Figures are being taken for a general contract.

Contract awarded.
FLATS Cost, $10,900
SAN FRANCISCO. E. Clayton, 50 S Fulton.
Two-story and basement frame, (2) flats.
Owner—Josephine Farry, 315 Scott St.
Architect and Contractor—A. M. Hardy, 518 - 24th Ave.

Contract Awarded.
FLATS BLDG. Cost,$15,970
FRESNO, Cal. Lot 10, Blk 9, North Park Terrace.
Two-story frame and stucco flat building (4 flats).
Owner—Fred Stevenson.
Architect—Schwartz & Ryland, Rowell Bldg., Fresno.
Contractor—Martin Construction Co., Fresno.

Plans Being Figured.
FLATS Cost, $15,000
SAN FRANCISCO. Twenty-first Ave. and Cabrillo Street.
Two-story and basement frame (2) flats.
Owner—Withheld.
Architect—Wm. H. Crim Jr., 425 Kearny St., San Francisco.
Figures are being taken for a general contract.

Contract Awarded.
FLAT Cost, $16,000
FRESNO, Cal. 1473-79 Wishon Ave.
Two-story frame flat building.
Owner—Bertha E. Brown.
Architect—none.
Contractor—L. S. Pelitz, 428 E. Fremont St., Stockton.

GARAGES

Plans Being Prepared—Figures to be Taken in Three Weeks.
GARAGE Cost, $24,000
SAN JOSE, Santa Clara Co., Cal. 2nd St. near Santa Clara Ave.
Two-story reinforced concrete garage 96x137-6.
Owner—Temple & Syer.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.

Plans Completed
GARAGE BLDG. Cost, $——
LONG BEACH, Cal.
Three-story and basement Class A garage building. 100x200, designed for 5 stories.
Owner—Richard Loynes and Bessie L. Dodsworth.
Architect—E. L. Mayberry, 472 Pacific Electric Bldg., Los Angeles.

Plans Being Prepared
CONCRETE GARAGE Cost, $25,000
SAN FRANCISCO, Guerrero St., near 15th St.
One-story Reinforced Concrete Garage, 70x225.
Owner—Rothin Estate Co.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.

OAKLAND, Alameda Co., Cal.—The Alameda Board of Supervisors received the following bids for alterations and additions to a one-story brick garage building located on the southerly side of Fourth street, between Broadway and Washington streets, Oakland. The contract was awarded toF. W. Maurice, 1362 E-25th St., Okd.

F. W. Maurice	$2757
Schlueter & McDonald	3171
J. H. Pedgrift	3185
Chas. L. Trower	3675
E. T. Leiter & Sons	3957
A. J. McPhee	4250

GOVERNMENT WORK AND SUPPLIES

SEATTLE, Wash.—Until May 10, 11 A. M., bids wlil be received by Alaskan Engineering Commission, Bell Street Terminal, under Circular 556, for furnishing and delivering 7000 bbls. Portland cement, 94 lbs. net to sack; 4 sacks to bbl.

Until Mayy 11, 11 A. M., bids will be received for furnishing and delivering roalroad safety flags; 6 line poles; 200 lns. plumbago; 200 lbs. Buckeye parting dust and 8 Bates rail clamps for 70-lb. rails. Req. SC-3596-3591-3592

WASHINGTON, D. C.—Until May 17, 10.30 A. M., bids will be received by Panama Canal Commission for furnishing and delivering 200,000 bbls. fuel oil, delivered at Cristobal (Atlantic Port) or Balboa (Pacific Port). Circular No. 1480.

WASHINGTON, D. C.—Until May 10, 10:30 a. m., bids will be received by Panama Canal Cammission, under Circular No. 2291, for fur. and del. corn brooms, Watthour meters, brass tubing, brass bibb cocks, drawer locks, night latches, hasps, brass screws, mop heads, blue denim, metal polish, rosin, chrome green and zinc oxide. Further information regarding this circular may be had from Asst. Purchasing Agent, Fort Mason, San Francisco.

WASHINGTON, D. C.—W. A. McNally & Co., 106 West Colorado st., Pasadena, Calif., at $34,400 awarded contract by Bur. of Yards and Docks, Navy Dept., to install electric distributing system at San Diego Naval Base, under Spec. No. 4610; time for completion, 90 days.

WASHINGTON, D. C.—Until May 23 bids will be rec. by Bur. of Supplies and Accounts, Navy Dept., for fur. and del. to Mare Island Navy Yard, under Schedule 9619, 50,000 lbs. bituminous enamel.

Until May 22, under Schedule 9618, bids will be received for furnishing fuel oil heaters and spares to Puget Sound Navy Yard.

WASHINGTON, D. C.—Until May 23, bids will rec. by Bur. of Supplies and Accounts, Navy Dept., for fur. and del. under Schedule No. 9616 at naval base, San Diego, Cal., 2 direct acting steam-driven vacuum pumps, capacity to be sufficient to remove water and air from 60,000 sq. ft. of radiation.

WASHINGTON, D. C.—Following bids received by Bureau of Yards and Docks, Navy Department, under Spec. 4614, for street lighting system at San Diego naval base:

Newberry Electric Corp., 724 Oliver street, Los Angeles, $6,258; 60 days. W. A. McNalley & Co., 106 W. Colorado St., Pasadena, $4,790; 60 days. G. E. Engineering Co., 449 W. 42d Street, New York City, $6,450; 75 days. Globe Electric Works, 1959 Mission Street, San Francisco, $6,500; 60 days. Butte Electric Co., San Francisco, $10,068; 50 days. Rice-Mosso Electric Co., 1963 Santee Street, Los Angeles, $4,677; 60 days.

WASHINGTON, D. C.—Among federal aid projects approved by the U. S. Bureau of Public Roads, week ending April 22, is Californias Project No. 99, 3.63 min. reinforced concrete highway in San Luis Obispo county, estimated cost $197,367; federal aid, $86,132.

GREAT FALLS, Mont.—Until June 6, 2 p. m., bids will be received by U. S. Reclamation Service, Great Falls, Falls, Montana, to construct canals and structures on the Sun River project, Montana, involving about 118,000 cu. yds. of canal excavation, 21,000 cu. yds. of structure excavation, 1850 cu. yds. of rein. conc., laying about 2500 lin. ft. of vit. and conc. pipe and placing in wooden structures about 171,000 ft, b.m. of lumber. Work is situated about 30 mi. west of Great Falls, and 6 mi. east of Fairfield, Mont., on the C. M. & St. P. Railway. For particulars address U. S. Reclamtion Service, Washington, D. C., Denver, Colo., or Great Falls, Mont.

WASHINGTON, D. C.—C. F. Martin, Seabord Bldg., Seattle, Wash., at $60,313 awarded contract by Bur. of Yards and Docks, Navy Dept., to erect ordnance storage building at Puget Sound, under Spec. 4577; time for completion, 179 days.

Office of the Chief of the Bureau of Yards and Docks, Navy Department, Washington.—Bids are wanted until June 7, specification 4618, for constructing one-story storehouse at the naval base, San Diego, Calif. Deposit for plans, $20. For information address the chief of bureau.

WASHINGTON, D. C.—Until May 20, 10:30 a.m., under Circular No. 1481, bids will be received by Panama Canal commission, for furnishing and delivering f.o.b. Balboa (Pacific Port) 10,000 bbls. Portland cement.

WASHINGTON, D. C.—Bureau of Yards ann Docks, Navy Department, will shortly call for bids under Specification No. 4566 to construuct railroad tracks at the Naval Operating Base (Ammunition Depot, Kuahua), Pearl Harbor, T. H. **See official proposal section in this issue for further particulars.**

WASHINGTON, D. C.—Interstate Commerce Commission grants permit to Oregon Short Line Railroad Co. to extend the Homedale-Idaho branch a distance of 7½ miles. Terminus of the new line will be Marsing, Idaho. Estimated cost, $211,000.

WASHINGTON, D. C.—Burtau of Yards and Docks, Navy Department, will shortly call for bids under Specification No. 4566 to construct six ordnance buildings at the Naval Operating Base (Ammunition Depot, Kuahua), Pearl Harbor, T. H. **See official proposal section in this issue for further particulars.**

HALLS AND SOCIETY BUILDINGS

Contract Awarded.
CLASS "C" BLDG. Cost, $20,000
SAN FRANCISC. California St., near Polk.
Two-story Class "C" undertaking parlor.
Owner—Mission Undertaking Co.
Architect—Morrow & Garren, Chronicle Bldg., San Francisco.
Contractor—Vukicevich & Bagge, 180 Jessie St., San Francisco.

To Be Done by Day's Work
FRAME BUILDING Cost $16,000
SAN FRANCISCO, N Raymond Ave., 175 E. Alpha St.
One-story frame Community Center building.
Owner—Visitacion Valley Community Center, 101 Raymond Ave., San Francisco.
Architect—Dorothy Wormser, c/o Miss J. Morgan, Merchants' Exchange Building, San Francisco.

Commissioned to Prepare Plans.
LODGE BLDG. Cost. $60,000
VALLEJO, Solano Co., Cal.
Three-story reinforced concrete store and lodge building.
Owner—Samoset Tribe No. 22, Order of Red Men.
Architect—Chas. E. Perry Jr., 514 Marin St., Vallejo., Cal.

Plans Being Prepared.
GIRLS' HOME Cost, $250,000
LOS ANGELES, Cal.
Five-story brick girls' home building.
Owner—Salvation Army.
Architect—Edwin Bergstrom, Citizens National Bank Bldg., Los Angeles.

Contract Awarded.
GIRLS' HOME Cost, $137,199
SAN FRANCISCO. Laguna and Page Sts.
Three and five-story reinforced concrete and brick Girls' Home Bldg.
Owner—E-manuel-El Sisterhood.
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., S. F.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

HOSPITALS

Plans Being Prepared:
HOSPITAL BLDGS. Cost, $300,000
LOS ANGELES, Cal. Vermont Ave. Bet. Sunset Blvd. & Fountain Ave.
Six-story Class A hospital building.
Owner—Hollywood Hospital Ass'n.
Architects—Hunt & Burns, Laughlin Bldg., Los Angeles.

Revised Plans Approved.
HOSPITAL Cost, $40,000
MERCED, Merced Co., Cal. Huffman Avenue and 27th St.
Three-story hospital (25 beds).
Owner—Mercy Hospital Corporation.
Architect—Ira Hoover, Planada, Calif.

HOTELS

Plans Being Prepared.
ALTERATIONS Cost, $35,000
SAN FRANCISCO, NW Taylor and Eddy Streets.
Alter 5-story fireproof hotel (alter stores, new store fronts, etc.)
Owner—Ritz Hotel.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Plans to be prepared.
HOTEL Cost, $——
SAN FRANCISCO, Cal., 440 Geary St.
Class "A" 100-room addition to hotel.
Owner—The Somerton Inv. Co., Premises.
Architect—Not selected.

PLACERVILLE, El Dorado Co., Cal. —Construction on the Bret Harte Hotel in Rubicon Canyon will not be completed at this time, according to a letter from A. P. T. Elder, New York and San Francisco capitalist, who was to finance the work. Approximately $50,000 has been expended on the structure which was estimated to cost $250,000. Elder according to the announcement, was forced to abandon the project due to his health. Mr. A. Love of Shingle Springs is the contractor in charge of the work.

SAN LUIS OBISPO, Cal.—Architect George W. Eldredge and Thomas Jewell, 226 Pacific Finance Bldg., Los Angeles, are preparing working drawings for a group of four reinforced concrete and brick hotel buildings, near San Luis Obispo for Tripoli Hotel Co., W. J. Conner, agent. The group will consist of a 2-story bathhouse building 165x67 ft. with covered pool, 50x100 ft., main building, 4-story 87x135 ft., 5 stores on first floor, guest room above; dining room building, 4-story 51x102 ft. and 4-story lobby parlor building, 75x48 ft. The buildings will contain 225 guest rooms with tile baths. Brick and concrete construction, 2 electric elevators, electric heating system; $500,000.

WILLIAMS, Colusa Co., Cal.—Miss Lulu Brim, who contemplates the erection of a 100-room hotel building in Williams, advises the new Board of Trustees that erection of structure depends upon the completion of a fire alarm and sewer system. Construction will be started when the trustees decide to provide such improvements.

POWER PLANTS

BANNING, Cal. — Southern Sierra Power Co. plans to build power plant to generate 4200 H. P. on Snow Creek, 15 miles SE of Banning. Federal permit has been secured to use waters in Cleveland National forest.

PUBLIC BUILDINGS

Plans to Be Prepared.
HEALTH CENTER BLDG. Cost, $30,000
ALAMEDA, Alameda Co., Cal. Oak St. bet. Santa Clara and Central Ave.
One-story Health Center Building (type of construction not yet determined).
Owner—City of Alameda
Architect—Not selected.

Plans Being Figured—Bids close May 23, 1922, 10 a. m.
FAIR BUILDINGS Cost, $58,000
STOCKTON, San Joaquin Co., Cal. County Fair Grounds.
Frame stables, $30,000; poultry, cattle barns; grand stand addition, wire fence, $28,000.
Owner—County of San Joaquin. Eugene D. Graham, clerk.
Architect—Wright & Satterlee, Bank of Italy Bldg., Stockton, Cal.
See call for bids under Official Proposals.

ALAMEDA, Alameda Co., Cal.—Until May 16, 8 P. M., bids will be received by Wm. E. Varcoe City Clerk, to construct comfort station in Washington Park. This is re-advertisement for bids. Certified check of $300 required with each bid. Plans may be had from the Clerk.

MARTINEZ, Contra Costa Co., Cal.—County Supervisors have purchased three lots on Ward street between Court and Pine on which it is proposed to erect a new county court house. Additional property will be purchased before plans for the structure will be considered.

EL CENTRO, Imperial Co., Cal.—The Grand Jury, in annual report, recommends bond issue of $200,000 to finance construction of a new county court house.

STOCKTON, San Joaquin Co., Cal.—City Council adopts resolutions to purchase block bounded by Fremont, Commerce, Oak and Center Sts., on which to erect municipal memorial auditorium for which bonds of $600,000 have been voted. A. L. Banks is city clerk.

BAKERSFIELD, Kern Co., Cal.—Until May 22, 10 a. m., bids will be received by F. E. Smith, county clerk, to construct branch library at Mariposa. Plans on file in ofice of clerk.

EL CERRITO, Contra Costa Co., Cal. —Petitions seeking election to vote bonds to finance construction of city hall are being circulated.

RESIDENCES

Figures to be Taken Next Week.
RESIDENCE Cost, $14,000
SAN JOSE, Santa Clara Co., Cal. The Alameda.
Two-story frame and plaster residence.
Owner—Frank King.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Figures to be Taken in Ten Days.
RESIDENCE Cost, $11,000
SAN JOSE, Santa Clara Co., Cal. 14th and Clayton Ave.
Two-story frame residence (8 rooms).
Owner—F. Lyne.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.

Contract Awarded.
RESIDENCE Cost, $15,000.
GUERNEVILLE, Sonoma Co.
Two-story frame, stone and plaster residence and garage.
Owner—R. A. Belden, Pres. Guerneville Bank.
Architect—Miller & Warnecke, Perry Building, Oakland.
Contractor—W. L. Proctor, Santa Rosa.

Preliminary Sketches Being Prepared.
BUNGALOW COURT Cost $100,000
OAKLAND, Cal., Cavanaugh Road.
Frame and plaster, bungalow court, 4 and 5-story bungalow.
Owner—Walter Leimert Co.
Architect—Miller & Warnecke, Perry Building, Oakland

Plans Being Prepared.
RESIDENCE Cost $9,000
OAKLAND, Alameda Co., Cal. Crocker Highlands
Two-story frame and plaster residence.
Owner—R. G. Hearne
Architect—Schirmer-Bagnall & Co., Thayer Bldg., Oakland

Low Bids Under Advisement
RESIDENCE Cost, $——
SAN FRANCISCO, NW Lake street and 24th avenue.
Two-story frame and plaster residence.
Owner—Wm. Scott.
Architect—Meyer & Johnson, Bankers' Investment Bldg., San Francisco.
General contract—Matthies & Gale, 185 Stevenson street.
Painting—D. Zelnsky & Sons, 520 Turk Street.
Electrical work—M. E. Ryan, Clunie Building.

Sketches Being Prepared.
RESIDENCE $30,000
SAN MATEO, Cal.
Two-story frame residence.
Owner—Raymond Welch.
Architects — Bakewell & Brown, 251 Kearny St., San Francisco.

Figures to Be Taken in About Ten Days.
RESIDENCE Cost, $11,000
BERKELEY, Alameda Co., Cal. Claremont District.
Two-story and basement frame and plaster residence (8 rooms).
Owner——Wm. A. Powell.
Architect—Morrow & Garren, Chronicle Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, $20,000
SAN FRANCISCO W. Arguello Blvd. Lot 20, Blk. 1356 Presidio Terrace.
Two-story and basement frame residence.
Owner—Max Frederick.
Architcet—S. Lightner Hyman, 68 Post St.
Contractor—C. H. Lewis, 68 Post St.

Contract to Be Awarded.
RESIDENCE Cost, $9000
PALO ALTO, Santa Clara Co.
One-story frame and plaster residence (7 rooms and garage).
Owner—Henry Gemmer, Palo Alto, Cal.
Architect—Chas. E. J. Rogers, Phelan Building, San Francisco.
Contractor—D. W. Ross, 418 Frederick St., San Francisco.

Owner Taking Figures for Excavating and Concrete Work.
RESIDENCE Cost, $20,000
SAN FRANCISCO. St. Francis Wood.
One-story frame and stucco residence.
Owner—Hart Weaver.
Architect—H. H. Gutterson.

Plans Being Figured.
RESIDENCE Cost, $10,000
SAN FRANCISCO. St. Francis Wood.
Two-story frame and plaster residence.
Owner—Grover O'Connor.
Architect—H. H. Gutterson, 278 Post St., San Francisco.
Figures are being prepared for a general contract.

Plans Being Figured.
RESIDENCE Cost, $12,000
BERKELEY, Alameda Co., Cal. Tunnel Road.
Two-story frame and plaster residence (8 rooms).
Owner — W. H. Farley, 3148 College Ave., Berkeley.
Architect—W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley.
Figures are being taken for a general contract.

SCHOOLS

NORTH SACRAMENTO, Cal.—The Board of Trustees of the North Sacramento School District received the following bids on May 2, for the construction of a three-room auditorium addition with steam heating system to the Hagginwood School and a four-room and tower addition with steam heating system to the North Sacramento School. Plans were prepared by Architect E. C. Hemmings, Ochsner Building, Sacramento. The contract was awarded to Herndon & Finnegan, 1814 Seventeenth St., Sacramento. Construction is of hollow tile.

Herndon & Finnigan	$56,900
P. F. Bender	58,200
Wm. Theilbahr	58,419
Holdner Construction Co.	65,000
Wm. Murcell	61,787
Betz & Mabrey	63,440

RICHMOND, Cal.—The Board of Trustees of the Richmond School District received the following bids on May 3rd, for the construction of a one and three-story hollow tile and reinforced concrete Junior High School building and for a four-room and auditorium hollow tile addition to the Nystrom School. Plans were prepared by Architect James T. Narbett, 910 Macdonald avenue, Richmond. All bids were taken under advisement.

Roosevelt School—General Contract

P. M. Sanford, 914 Macdonald Ave., Richmond	$124,795
Carl Overaa, Richmond	125,830
Mathew Morton, Berkeley	136,887
West Coast Constr. Co., S. F.	140,016
F. W. Maurice, Oakland	141,700
W. G. Thornalley, Oakland	149,775

Plumbing

J. I. Collins, 252 17th St., Richmond	$12,683
R. A. Washburn, Richmond	13,800
Hateley & Hateley, Sacto	13,995
Spiersch Bros., Richmond	14,100
Scott Co.	14,466

Heating

Scott Co.	$31,988
W. K. Nottingham, Oakland	32,666
Carl T. Doell, Oakland	34,195
Hateley & Hateley	34,995
J. I. Collins	35,251
Atlas Heating & Ventilating	36,633

Hollow Tile and Brick Work

Jas. Walker, 141 S-14th St. Richmond	$32,547
Mealey & Collins, S. F.	32,700
White & Gloor, S. F.	39,489
Hock & Hoffmeyer, S. F.	39,900

Lathing and Plastering

Wm. Makin, 1948 Excelsior St. Oakland	$21,880
Geo. Dixon, Oakland	23,750
Chas. H. Brown	24,989
A. Knowles, S. F.	30,663

Sheet Metal Work

Oakland Sheet Metal Supply Co.	$1130
Spiersch Bros.	2997
Oakland Machinery Co.	3850

Roofing

United Materials Co., Sharon Bldg. San Francisco	$5663
H. C. Brown Roofing Co., Oakland	5691
Gladding-McBean Co., S. F.	5762
Richmond Roofing Co., Richmond	6026

Painting

J. J. Burdon, 571 9th St., Richmond	$ 6,197
D. Zelinsky, S. F.	8,400
R. Zelinsky, S. F.	8,965
Zeb Knott, Richmond	13,700

Electrical Work

V. G. Elec. Co., 1314 Macdonald Ave., Richmond	$5995
Kings Elec. Co., Oakland	6325
Pioneer Elec. Co.	6350
Newbery Elec. Co.	6881
Pacific Elec. Co.	6900
Watts Elec. Co.	7000
M. E. Ryan	7168
Berkeley Elec. Co.	7534
Ne Page-McKenny Co.	7688

Nystrom School—General Contract

Carl Overaa, 2165 Roosevelt Ave., Richmond	$15,470
Conner & Conner, Berkeley	17,900
P. M. Sanford	18,631

Brick and Hollow Tile Work

James Walker, 141 S-14th St., Richmond	$5460
Mealey & Collins	5980
White & Gloor	6525

Lathing and Plastering

G. P. Ingram	$1989
Chas. H. Brown	1997

Roofing

Richmond Roofing Co.	$2463

Painting

D. Zelinsky, 180 Jessie St., S. F.	$ 572
Zeb Knott	580
J. J. Burdon	640
R. Zelinsky	1,357

Plumbing

R. A. Washburn, 2111 Barrett St., Richmond	$2180
J. I. Collins	2227
Spiersch Bros.	2337
Scott Co.	2430

Heating and Ventilating

F. L. Warner, 696 20th St., Oakland (no check)	$7894
J. I. Collins, 252 17th St., Richmond	7965
Scott Co.	9140
W. K. Nottingham	9888
Carl T. Doell	9161

Plans Completed.
SCHOOL Cost, $7,500
FRESNO, Fresno Co., Cal.
One-story frame and stucco (3-room) school.
Owner—Pomona School District.
Architect—Ernest J. Kump, Rowell Bldg., Fresno.
Structure will be financed through bond election.

Plans Being Figured—Bids Close May 17, 1922, 9 A. M.
SCHOOL Cost, $80,000
LOS ANGELES, Cal. Avenue 54 and Irvington Place.
Two-story brick school, 65x145 (11 rooms).
Owner—L. A. Board of Education.
Architect—Jeffery & Schaefer, Kerckhoff Bldg., Los Angeles.
Bids will be taken separately on general work, painting and electrical work. Plans may be obtained at the Secretary's office, 730 Security Bldg., Los Angeles.

Plans Being Figured—Bids Close May 17, 1922, 9 A. M.
SCHOOL Cost, $85,000
LOS ANGELES, Cal. No. 1145 S-Catalina St. Berendo Junior High School).
Two-story and basement brick school, 179x40, (10 rooms).
Owner—Los Angeles Board of Education.
Architect—Krempel & Erkes, Bradbury Bldg., Los Angeles.
Bids will be taken separately on general work, plumbing, heating, painting and electrical work.
Plans may be obtained from the Secretary's office, 730 Security Bldg., Los Angeles.

Plans Being Figured—Bids Close May 22, 1922, 8 P. M.
SCHOOL Cost, $42,000
WATSONVILLE, Santa Cruz Co., Cal. Pajaro School District.
One-story reinforced concrete school building.
Owner—Pajaro School District, Thos. S. Hudson, Clerk, R. F. D. No. 2, Box 70, Watsonville.
Architect—Wyckoff & White, Growers Bank Bldg., San Jose.
Separate bids are wanted for heating system; plumbing work and electric work. Plans may be obtained from the Clerk.
See call for blds under Proposals.

To Be Done by Day's Work.
FARM BLDGS. Cost, $——
DAVIS, Yolo County, Cal. University Farm.
Frame dining hall, bunk house, implement shed, etc.
Owner—University of California.
Architect—Wm. C. Hays, First Natl. Bank Bldg., San Francisco.

Plans Being Prepared.
HALLS. Cost, $450,000
SANTA CLARA, Santa Clara Co., Cal. University Grounds.

A. E. Leitch Fred Clark

CLARK & LEITCH ROOFING CO.

Successors to E. S. Warner

Office and Warehouse:

1116 SECOND ST., SACRAMENTO

Phone Main 726

Reinforced concrete Junior hall and reinforced concrete Alumni Science hall.
Owner—University of Santa Clara.
Architect—John J. Donovan, Pacific Bldg., Oakland, Cal.
Funds are now being raised for these two buildings. Later other structures will be erected.

Contracts Awarded.
ONE-STORY BUILDING
SANTA CLARA, Santa Clara Co., Cal.
One-story fram and brick veneer.
Owner—Santa Clara High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
General Contract awarded to Morrison Bros., Santa Clara, on Proposition No. 1, $22,889.
Painting to Wm. Loos, 890 Washington St., San Jose, on Proposition No. 1, $360.
Brick Veneer to Paul Messner, $2870.
Electrical Work to Watts Electric Co., 389 4th St., San Francisco.
Linoleums on Main Building to D. N. & E. Walter Co., 562 Mission St., San Francisco, $1998.80.
Blackboards in Main Building to C. F. Weber Co., 985 Market St., San Francisco, $1000.

Contract Awarded
GYMNASIUM Cost, $29,000
OAKLAND, Garfield School.
1-story frame and stucco gymnasium; auditorium building.
Owner—Oakland Board of Education.
Architect—Building Constr. Dept.
Contractor—Shas. L. Trow, 835 8th St., Oakland.

Commissioned to Prepare Plans.
SCHOOL Cost, $25,000
SANTA ROSA, Sonoma Co., Cal.
One-story frame and stucco school (4 classrooms and an assembly hall).
Owner—Lewis School District.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

Contract Awarded.
SCHOOL BLDG. Cost, $15,000
SAN FRANCISCO. NW Lane and Quesada Ave.
Two-story frame school.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—Louis Brouchoud, Chico, Cal.
Contractor—Jas. L. McLaughlin, 251 Kearny St., San Francisco.

Contract Awarded.
SCHOOL Cost, $17,117
ROSEDALE, Kern Co., Cal.
One-story 4-room frame and plaster school building.
Owner—Rosedale School District, R. T. Waters, Clerk.
Architect—J. M. Saffell, 924 19th St., Bakersfield, Cal.
Contractor—The Warden-Jones Co., 214 Brower Bldg., Bakersfield.
Other bidders were: Wm. Eissler, $17,600; H. E. Eissler, $19,800; C. E. Kutzner, $19,900; Currie & Dulgar, $21,200; August Zimmerman, $19,829; T. L. Cummins, $25,000, all of Bakersfield, and Barkelew & Gould, Tulare, $23,858.

Commissioned to Prepare Plans.
SCHOOL Cost, $110,000
REDDING, Shasta Co., Cal. East Side Grammar School.
Fireproof school.
Owner—Redding School District.
Architect—Woollett & Lamb, Hagelstein Bldg., Sacramento.
A bond election will be held on June 6th to vote $110,000 for the improvements.

Plans Being Figured—Bids Close May 24, 1922 9 A. M.
GYMNASIUM Cost, $122,000
LOS ANGELES, Cal. High School Site
One-story brick gymnasium, 87x115.
Owner—Los Angeles Board of Education.
Architect—John C. Austin, Baker-Detwiler Bldg., Los Angeles.

Architect Selected.
SCHOOL Cost, $——
ALAMEDA, Cal.
Fireproof high school.
Owner—Alameda High School District.

Architect—Carl Werner, Humboldt Bk. Bldg., San Francisco.

Mr. Werner has been selected as architect and will immediately prepare preliminary sketches and estimates preparatory to calling a bond election.

REEDLEY, Fresno Co., Cal.—Architect Norman F. Marsh, 211 Broadway Central Bldg., Los Angeles, is completing plans for a group of high school buildings at Reedley, for Reedley joint union high school district. Bonds in the sum of $450,000 have been voted for buildings and equipment. Six buildings, two-story administration building, with auditorium to seat 1800; four buildings will be brick construction with plaster exteriors, tile and composition roofing. The gymnasium and cafeteria buildings will be of frame and plaster construction.

HAYWARD, Alameda Co., Cal.—Until May 15, 3 P. M., bids will be received by N. P. Nielsen, Clerk, Hayward Union High School District, for alterations and two-room frame and plaster addition to the high school; Henry C. Smith, 785 Market St., San Francisco, Architect. **See call for bids under official proposal section in this issue.**

SAN DIEGO, Cal.— Until 11 A. M., May 25, bids will be received by Division of Architecture, State Dept. of Public Works, Sacramento for erecting training school and locker building at San Diego Teachers' College. Two-story, 32x77 ft., reinforced concrete walls, plaster exterior and tile roof.

SAN FRANCISCO—Until May 17, 3 P. M., bids will be received by the San Francisco Board of Public Works for roofing the addition to Mission High School at 18th and Dolores streets. Estimated cost, $7000. Specifications may be obtained from the Bureau of Architecture, 2nd Floor, City Hall.

TUCSON, Ariz.—Architects Lyman & Place, and Architect H. O. Jaastad, associate, Tucson, have prepared plans for 2-story reinforced concrete high school building 290x180 ft., to contain auditorium seating 1600, cafeteria, laboratories, domestic science departments, mechanical depts., etc. Building will have sixteen terra cotta columns and trim, skylights, hollow tile partitions. Est. cost, $750,000. Gymnasium under separate roof.

SANTA ROSA, Sonoma Co., Cal.—Until May 15, 11 A. M., bids will be received by Oscar Haensch, Clerk Canfield School District, to construct a two room frame school. Plans may be had from W. Herbert, Architect, City Hall, Santa Rosa, on a deposit of $10.

FRESNO, Fresno Co., Cal.—Until May 31, 5 P. M., bids will be received by L. L. Smith, secretary Board of Education, for furnishing and delivering supplies and equipment for year 1922-23. Lists of materials desired furnished on application.

BURLINGAME, San Mateo Co., Cal.—Until May 6, 8 P. M., bids will be received by Mrs. J. M. Vickerson, Clerk, Burlingame Grammar School District, for grading and drainage of Roosevelt School grounds. E. L. Norberg, 407 Occidental Ave., Burlingame, Architect. Plans may be obtained from the architect.

DOS PALOS, Fresno Co., Cal.—Until May 26, 2 P. M., bids will be received by T. O'Banion, Clerk, Bryant Grammar School District, to construct frame and stucco grammar school. Plans may be obtained from the clerk.

MARTINEZ, Contra Costa Co., Cal.—M. P. S. Cabelleira of Pinole, at $5974 awarded contract by trustees of Briones School District to erect frame and stucco school. D. Marz bid $6174.

LOS ANGELES, Cal.—Harmon & Carrell, 708 Central Bldg., Pasadena, were low bidders at $52,420 on general contract for the new Fremont school building, Robert D. Farquhar, Security Bldg., Los Angeles, Architect. Low bidders on other contracts were: Heard-Perry Electric Co. on wiring at $1780; A. Quandt & Son on painting at $2630, and F. J. Donnelly on heating at $4100. W. W. Brooks and F. J. Donnelly each submitted a bid of $5800 on plumbing. Twelve classrooms, brick construction, select common brick facing, clay tile roof, pine trim and maple floors.

EUREKA, Humboldt Co., Cal.—Bids have been ordered re-advertised for constructing shower room addition to the gymnasium at the high school. One bid received under last call ran in the neighborhood of $20,000 and was rejected as only $12,500 is available for the work. Plans may be had from City Superintendent of Schools, City Hall.

POMONA, Los Angeles Co., Cal.—The following bids were received for four contracts on new Pomona high school building, Robert H. Orr and W. H. Weeks, 1301 Van Nuys Bldg., Los Angeles, associate architects: **Masonry**—Larson-Siequist Co., San Francisco, $34,301; (a) add for cast stone work, $7816; (b) deduct for brick veneer, $10,035; Carl H. Sanborn, $34,700; (a) $22,000; (b) $6000; H. E. Kneer, $35,252; (a) $19,850; (b) $9110; Henry Reimers, $36,860; (a) $20,500; (b) $8100; C. J. Smith, $37,362, (a) $22,000; (b) $8500. **Carpentry**—H. M. Hanavalt, La Verne $90,400; (a) add for maple floors, $1800; (b) deduct for pine doors, $3200; (c) deduct for turret, $950; Larson-Siequist Co., $88,777; (a) $5400; (b) $2201; (c) $560; Lawrence Bruck Constr. Co., $98,770; (a) $13,816; (b) $2463; (c) $156; Jacobs Constr. Co., $102,973; (a) $14,200; (b) $2000, (c) $500. **Plastering**—E. V. Fallgren, $44,900; (a) deduct for run moulds, $13,000; J. B. Richert, $41,293; (a) $650; Burt Doquine, $49,600; (a) $1,500; J. C. McLeod, San Francisco, $42,278; (a) $2853; J. B. Murphey, $51,19; (a) $8706; E. D. Serree, $48,600; (a) $3500. **Sheet Metal Work**—Pomona Sheet Metal Works, $4595; deduct $295 for omitting spire; St. Louis Cornice Works, $5392 and $375; Chas. J. Strangman, $6473 and $740; Taylor & Green, $7524 and $672; Main Cornice Works, $9244.80 and $500. Contract for sheet metal work was awarded to Pomona Sheet Metal Works at $4300.

TURLOCK, Stanislaus Co., Cal.—The Board of Trustees of the Turlock School District received the following bids on April 29th, for the construction of a two-story addition to the Hawthorne Grammar School. Plans were prepared by Architect Knapp of Turlock. The general contract was awarded to Tornell and Edberg of Turlock. All bids for the heating were rejected and new bids will be advertised for shortly.

General Contract

Tornell & Edberg, Turlock	$27,576
John D. Carlson, Turlock	28,880
P. P. Walstrom, Turlock	31,000

Heating

Scott Co.	$5680
P. J. Enright, S. F.	6700
W. K. Nottingham, Oakland	7222

LONG BEACH, Cal.—Contracts for construction of Luther Burbank School awarded as follows: Beswick & Sons, 230 Newport Ave., Long Beach, excavating, concrete, carpenter and iron work at $55,313; Long Beach Brick Co., brick and masonry, at $21,727; St. Louis Cornice Works, sheet metal at $460; Waren & Bailey Co., comp. roofing at $445; R. G. Blessing, tile roofing at $3350;; W. O'Brien, plastering at $9862; T. N. Fierce, blackboards at $1065; R. O. Long, painting at $3975; American Ave. Hardware Co., hardware at $3032; Hickman Bros., plumbing at $3350; Marsh Electric Co., wiring at $3162; heating not let. Twelve room and auditorium, brick and hollow tile construction, plaster exterior, tile and comp roof, pine trim, maple floors, reinforced concrete stairs and corridors. Allison & Allison, Hibernian Bld., Los Angeles, and H. Alfred Anderson, Palace Theatre Bldg., Long Beach, associate architects.

OAKLAND, Cal.—Until May 22, 3 P. M., bids will be received by John W. Edgemond, Secretary, Oakland School District, for furnishing and installing steel lockers in schools. **See call for bids under official proposal section in this issue.**

STORES AND OFFICES

Segregated Figures to be Taken Next Week.

ALTERATIONS Cost, $18,000
SAN FRANCISCO. SE Jessie and 6th.
Alter 2-story class C store and loft building.
Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Contract Awarded.

STORE BUILDING Cost, $12,100
OAKLAND. N University Ave. 87 E 10th Street.
One-story brick store building.
Owner—George Fedderwitz, 1037 University Ave., Berkeley.
Architect—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
Contractor—A. J. McPhee, 2144 E-27th St., Oakland.

Plans Being Prepared.

STORE BLDG. Cost, $——
SAN LEANDRO, Cal. E-14th Street.
One-story brick store building.
Owner—W. L. Duarte, 1261 E-14th St., San Leandro.
Architect & Contractor—George Peterson, San Leandro.

Plans Being Prepared.

ALTERATIONS Cost, $8,500
SAN FRANCISCO. 619 Larkin.
Alter ground floor of hotel into three stores; new store fronts, etc.)
Owner—Hotel Lansdale.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Plean to be Ready for Figures.

STORE BUILDING Cost, $25,000
SAN FRANCISCO. NE Clement St. and Eleventh Avenue.
One-story and mezzanine reinforced concrete store building.
Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Figures will be taken for a general contract.

Contract Awarded.

STORE AND HALL Cost, $——
RICHMOND, Contra Costa Co., Cal. Eleventh St. and MacDonald Ave.
Complete 2-story reinforced concrete store and hall building (foundation is in).
Owner—Adolph Winters (florist).
Architect—A. W. Cornelius, Merchants National Bank Bldg., San Francisco.
Contractor—P. M. Sanford, Richmond.

Sub-Figures Being Taken.

STORE BLDG. Cost, $25,000
STOCKTON, San Joaquin Co., Cal. Market Street.
Two-story brick store building.
Owner—A. J. Turner.
Architect & Contractor—Davis-Heller-Pearce Co., Delta Bldg., Stockton

Plans to be Prepared.

OFFICE BLDG. Cost, $——
MARTINEZ, Contra Costa Co., Cal. Main Street.
One and two story fireproof office building.
Owner—Contra Costa Abstract & Title Co., Martinez.
Architect—Not Selected.

Plans Being Figured.

BRICK BUILDING. Cost, $——
RICHMOND, Contra Costa Co., Cal. S. Macdonald Ave. bet. 4th and 5th Sts.
One-story brick auto sales building, 50x112.
Owner—E. M. Chase, Rio Vista, Cal.
Architect—E. A. F. Carson, 542 4th St., Richmond, Cal.
Plans will be on file at the Builders' Exchange of Richmond, 914 Macdonald Ave., Richmond.

Contract to be Awarded Shortly

STORE BLDG. Cost, $10,000
SAN FRANCISCO. W Grant Ave. 107-6 N Push Street.
One-story and basement Class C store building.
Owner—Helen Shelby
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco

Plans Being Figured.
STORE BUILDING. Cost, $——
SAN FRANCISCO. S. Turk St., west of Taylor.
Two-story and basement reinforced concrete store, bowling alley and loft building, 50x157.6.
Owner—Mortimer S. Samuel.
Supervising Architect — August G. Headman, New Call Building, San Francisco.

Figures to Be Taken End of This Week
STORE BUILDING Cost, $20,000
OAKLAND, San Pablo Ave. bet. 18th and 19th Sts.
One-story Brick Store Building.
Owner—Emil E. Kahn.
Architect—S Heiman, 57 Post St., San Francisco.
Figures will be taken for a general contract.

Plans Being Prepared.
STORE BUILDING. Cost, $——
SAN FRANCISCO. S Turk St., west of Taylor.
Two-story and basement reinforced concrete store, bowling alley and loft building, 50x157.6.
Owner—Mortimer S. Samuel.
Architect—August G. Headman, New Call Building, San Francisco.

Figures to Be Taken Next Week.
RESTAURANT BLDG. Cost, $——
SANTA ROSA, Sonoma Co. Exchange Ave.
Two-story concrete restaurant (designed for five stories).
Owner—Frank Leppo.
Lessee—Geo. Edwards.
Architect—Reese & Kuykendall, 1438 McDonald St., Santa Rosa.
Mr. Edwards will spend about $12,000 on the interior fittings and decorations of the restaurant.

Contractor to Take Sub-Figures.
OFFICE BLDG. Cost, $100,000
OAKLAND, Alameda Co., Cal. NE 14th St., 247 W Stanley Rd.
Two-story concrete office building.
Owner—Durant Motor Co. of California.
Architect—J. H. Brunnier, Sharon Bldg., San Francisco.
Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.
Work on the factory building was started in January.

Plans Being Prepared
STUDIO BUILDING Cost, $——
SAN FRANCISCO. Sutter Street.
Reinforced concrete Studio Building.
Owner—Mortimer S. Samuel.
Architect—August G. Headman, New Call Building, San Francisco.

Plans Complete
STORE Cost, $22,000
SAN FRANCISCO, E Mission 235 S 25th St.
Three-story frame store and apartment building (8 apartments).
Owner—Dr. Thos. I. James.
Architect—Frank S. Holland, 1629 Folsom St., San Francisco.

General Contract Awarded.
STORE & LOFT BLDG. Cost,$72,000
SAN FRANCISCO. Mission near 7th.
Two-story and basement concrete and brick store and loft building.
Owner—Geo. B. Somers, Lane Hospital.
Architect—C. A. Tantau, 251 Kearny St., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
NOTE—Contract includes all work except the roofing, sheet metal work, plumbing, electric work, painting, sidewalk lights an elevators.

Excavation Started.
OFFICE Cost, $600,000
FRESNO, Fresno Co., Cal. Tulare and J Streets.
Two and eight-story reinforced concrete office building with terra cotta and brick facing.
Owner—T. W. Patterson.
Architect & Contractor—Felchin Co., Bank of Italy Bldg., Fresno.
The excavating has been started by Thompson Bros.

Plans Being Prepared.
ALTERATIONS Cost, $——
LOS ANGELES, Cal. 11th and Broadway.
Alterations and additions to Examiner Building.
Owner—William Randolph Hearst.
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., San Francisco.
Structural steel frame on new foundations, reinforced concrete fls., marble and tile work.

Contract Awarded.
OFFICE BLDG. Cost, $——
MODESTO, Stanislaus Co., Cal. H St. near Tenth.
One-story brick office building.
Owner—Modesto Gas Co., Frank A. Cressey, President.
Architect—Wieland, Mazurette & Wieland, 1002 H St., Modesto.
Contractor—Bush & Conlee, 318 Poplar St., Modesto.

Contract Awarded.
ALTERATIONS Cost, $15,000
SAN FRANCISCO. NE Mission and 17th Sts.
Rearrange interior stud partitions, new store fronts, ratproofing, etc.
Owner—S. Lachman, Mission and 16th Sts., San Francisco.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—Louis J. Cohn, 110 Sutter St., San Francisco.

MODESTO, Stanislaus Co., Cal.—J. Beatty, lessee of the Hughson Hotel Modesto, has purchased the site at the southwest corner of Eleventh and J streets and will erect a six or seven-story fireproof office structure, 50 by 100 feet.

RICHMOND, Contra Costa Co., Cal.—Until May 22, 8 P. M., bids will be received by A. C. Faris, City Clerk, to construct office and store room at Municipal Wharf No. 1. Plans may be had from the clerk on deposit of $5. H. D. Chapman, City Engineer.

THEATRES

Contract Awarded.
THEATRE Cost, $1000
SAN FRANCISCO. Marine Hospital Grounds.
Owner—Knights of Columbus.
Architect—Morrow & Garren, Chronicle Bldg., San Francisco.
Contractor—H. E. Hansen, 423 30th Ave., San Francisco.

Plans Being Prepared.
THEATRE Cost, $150,000
SAN FRANCISCO. S Market, bet. 3rd and 4th Sts. (Portola Theatre).
Rebuild Theatre, Class "A" construction.
Owner—Market Street Realty Co.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.
All the interior will be torn out and rebuilt, the exterior remoddeled in Spanish style of architecture. The name will be changed from Portola to Dolores Theatre, and is to be a replica of the Cameo Theatre in New York. Work will be started in about two months.

Plans Being Prepared.
THEATRE $300,000
LOS ANGELES, Cal. NE Hollywood Blvd. and Yucca St.
Class A theatre building, 100x150.
Owner— F. E. Keeler and C. H. Thompson.
Lessee—Oliver Morosco.
Architect—B. O. McCormick, 912 Pantages Bldg., Seattle, Wash.
Consulting Architect—B. Marcus Priteca, Pantages Bldg., Seattle Wash.

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Official Proposals

NOTICE TO CONTRACTORS

(Hayward School, Two-room Frame and Plaster Addition)

Notice is hereby given that sealed bids will be received by the Trustees of the Hayward Union High School District of Alameda County California, in the town of Hayward, for the construction of alterations and additions to the Union High School building at Hayward, Alameda County, California, as per plans and specifications on file with the Clerk of said Trustees, in the town of Hayward, or at the office of Henry C. Smith, the authorized architect, at 785 Market street, San Francisco, California.

Plans and specifications can be obtained from the Clerk at his office at the High School, or Architect upon deposit of the sum of $5, which will be returned when said plans and specifications are returned in good condition to said clerk or Architect.

Reference to plans and specifications are hereby made for bids required.

Blank forms for bidding will be furnished upon application.

Said bids will be received **up to and including May 15, 1922, at 3 o'clock P. M.**, by the Clerk of said Board of Trustees at the Union High School, Hayward, Alameda County, California, accompanied by a certified check for the sum of ten per cent (10%) of the amount of the bid, conditioned on the successful bidder entering into the contract, the amount of said check to be made payable to Clerk of the Board of Trustees of the Union High School District.

The Trustees reserve the right to reject any or all bids.

By order of the Board of Trustees, Union High School District.

Dated at Hayward, California, April 27, 1922.

(Signed)
E. O. WEEB, President.
N. P. NIELSEN, Clerk.
Board of Trustees, Hayward Union High School District.

NOTICE INVITING BIDS

(County Fair Buildings)

Notice is hereby given that sealed bids will be received by the clerk of the Board of Supervisors of San Joaquin County, California, at the office of said Board, in the City of Stockton, **until 10 o'clock A. M. of Tuesday, May 23, 1922**, for the construction of stock barns, poultry building, addition to the grandstand, and a fence at Agricultural Park, in accordance with plans and specifications prepared by Architects Wright & Satterlee and adopted and filed by said Board May 2, 1922, and to which bidders are particularly referred.

Duplicate plans and specifications may be obtained at the office of the Board of Supervisors upon depositing the sum of $10.00 to insure the prompt return of same on or before the expiration of seven days.

All bids must be made on forms to be obtained at the office of the Board of Supervisors, and presented in sealed envelopes addressed to the Board of Supervisors and marked to indicate the work for which bid is submitted.

All proposals must be accompanied by United States currency or certified check made payable to the chairman of the said Board of Supervisors in the sum of 10 per cent of the amount of the bid, or by a bond for such amount, and a bond of 50 per cent of the contract price will be required of the successful bidder.

The Board reserves the right to reject any or all bids.

By order of said Board, made May 2, 1922.

EUGENE D. GRAHAM, Clerk
By S. A. CARTER, Deputy Clerk

A call for bids published in this section indicates that bids are desired from other than local bidders. Maximum competition is desired, and this is assured through BUILDING AND ENGINEERING NEWS which reaches every worth-while contractor and materialman in Central and Northern California who bids on public work.

Rate: 10 cents per line, per insertion.

All official calls for bids of the California State Highway Commission and Nevada State Highway Commission are published in this section.

TO CALL BIDS FOR ORDNANCE BUILDINGS, RAILROAD AND WATER SYSTEM EXTENSIONS

The Bureau of Yards and Docks will open proposals in the near future on specifications No. 4566 for six ordnance buildings, railroad track, and water extensions at the Naval Operating Base, (Ammunition Depot, Kuahua), Pearl Harbor, T. H.

The work will consist of the erection of six ordnance buildings, each having concrete foundations and floor base. The work also include railroad track extensions and extension of present water mains for fire protection purpose. The pyrotechnical storehouse and storehouse for small arms ammunition will have steel roof and wall framing covered with protected sheet metal, wood finish flooring on the concrete floor base, steel sash and wood sheathing on ceilings and interior of walls. Ignition and storehouse will have a stuccoed hollow tile walls, concrete roof deck and built-up roofing and asphalt mastic floor finish or concrete base. The torpedo storehouse, warhead storehouse and extensions to mine storage building will each have stuccoed hollow tile walls, wood roof deck and built-up roofing, steel sash and a crane. A system of lightning protection will be provided for extension to mine storage building.

Plans and specifications may be obtained when available from the Bureau of Yards and Docks, Navy Department, Washington, D. C., Commandant Navy Yard, Mare Island, California, and the Commandant, Naval Operating Base, Pearl Harbor, T. H., upon depositing a check or postal money order for $10.00, payable to the Chief of Bureau of Yards and Docks, as security for the safe return of the plans and specifications.

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., April 28, 1922.—SEALED PROPOSALS will be opened in the office of the Superintendent at Fort Bayard, N. Mex., at 12 m., May 26, 1922, and at this office at 3 p. m., May 26, 1922, for the extension and remodeling of the sewage tank and filter beds at the United States Veterans' Hospital at Fort Bayard, N. Mex. Drawings and specifications may be obtained from the Office of Superintendent at Fort Bayard, N. Mex., or from this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., April 28, 1922.—SEALED PROPOSALS will be opened in the office of the Superintendent at Fort Bayard, N. Mex., at 12 m., May 26, 1922, and at this office at 3 p. m., May 26, 1922, for the extension and remodeling of the sewage tank and filter beds at the United States Veterans' Hospital at Fort Bayard, N. Mex. Drawings and specifications may be obtained from the Office of Superintendent at Fort Bayard, N. Mex., or from this office in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Super-

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
CALIFORNIA HIGHWAY COMMISSION
NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on May 29, 1922**, at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Sonoma County, between Willow Brook and 1 mile south of Petaluma (IV-Son-1-C), about four and three-tenths (4.3) miles in length, to be surfaced with asphalt concrete.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated May 1, 1922.

TOURIST HOTEL PROJECT IN EL DORADO COUNTY ABANDONED

Construction of the Bret Harte Hotel in Rubicon Canyon, El Dorado county, will not be completed at this time, according to a letter recived from A. P. T. Elder, New York and San Francisco capitalist, who was to finance the work. Approximately $50,000 has been expended on the structure which was estimated to cost $250,000. Elder, according to the announcement, was forced to abandon the project on the advise of his physicians who warned him to sever his business relations due to his health.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SACRAMENTO, Cal. — Reclamation District No. 1500, 301 California Fruit Bldg., rejects bids received Apr. 25, to construct reinforced concrete culvert through levee near Knights Landing, involving 10,000 cu. yds. earth excavation and back fill; 350 cu. yds. concrete and 65,000 lbs. reinforced steel.

SANTA ANA, Cal.—Mercereau Bridge and Construction Co., awarded contract by supervisors at $6917, for constructing three timber bridges across El Toro Creek in Tehuca Canyon, 5th Road District.

LOS ANGELES, Cal.—Frank Hudson, Higgins Bldg., awarded contract by supervisors at $33,426, for constructing reinforced concrete bridge of three 54-ft. spans, 24-ft. roadway, with concrete piers and abutments oven San Jose Creek.

PORTLAND, Ore.—Until May 9, bids will be received by State Highway Commission, Courthouse, Portland, Ore., to construct bridge on Pacific Highway over Williamette river north of Cottage Grove, in Lane County, involving 115 cu. yds. concrete; 104,000 lbs. structural steel; 1000 lin. ft. piling; 22 M ft. B. M. lumber; 60 lin. ft. wood trestle

GRASS VALLEY, Nevada Co., Cal.—Burton & Reed, Grass Valley, at $727 awarded contract by trustees to construct cement bridge over Wolf Creek, in Bank St. James Stead, Grass Valley bid $829. Shaffer & Co., Nevada City, $837.

PORTLAND, Ore.—Preliminary plans being prepared by City Engineer Laurgaard for Alexander Ave., bridge; est. cost, $25,000.

SANTA BARBARA, Cal.—Until 10 a. m., May 18, bids will be received by supervisors to construct reinforced concrete combination culvert and check-dam on Surf-Lompoc-Buellton Rd., in Lompoc Permanent Road Division, at Sta. 450-71, near Santa Rita Church, in 4th Rd. District. Owen H. O'Neill, county surveyor.

PHOENIX, Ariz.—Quinton, Code & Hill, Hollingsworth Bldg., Los Angeles, consulting engineers, commissioned by Inspiration and Miami Copper Companies to investigate proposition to expend $6,000,000 for constructing upper and lower dams at Mormon Flat, adding 47,000 h.p. to present electric power capacity. The plan was proposed by Salt River Valley Water Users' Assn., C. C. Cragin, gen. mgr., and will be financed largely by the copper companies if the engineers' report is favorable.

PORTERVILLE, Tulare Co., Cal.—City Engineer Fred Pease submits preliminary estimates to Porterville Rotary Club to improve the Porter slough. Two plans are proposed, one to build bridges or completely eliminate the slough by the installation of a conduit. The first plan would require the construction of thirteen bridges, costing approximately $350,000; the second (conduit installation) about $125,000. A committee has been appointed to confer with other civic organizations in an effort to secure early action.

SAN DIEGO, Cal.—Bent Bros., 1714 Eagle St., Los Angeles, have a contract to build an earth fill dam at Warner's on the San Luis Rey River in San Diego county for the San Diego Co. Water Co. The dam will be 117 ft. high and will impound about 200,000 acre feet of water. It will have an impervious clay core and concrete spillway and up-stream slope, will be faced with concrete. Borings are now being made for the foundation. The dam is to be completed by Jan. 1, 1923. More than 50,000 acres will be irrigated. The immediate construction program will involve about $1,000,000. J. B. Lippincott, Central Bldg., Los Angeles, is chief engineer; Henry Hawgood of Los Angeles and R. C. Starr, Sharon Bldg., San Francisco, and Fresno, consulting engineers. John Treanor of Los Angeles is president of the company. An agreement has been made with Santa Fe railway interests whereby they will finance the project.

RIALTO, San Bernardino Co., Cal.—E. A. Bemis of Rialto, chairman of Lytle Creek Conservation Committee, states that committee plans to build dam at mouth of Lytle Creek. Estimates from engineers will be asked after trip of inspection has been made.

EUREKA, Humboldt Co., Cal.—Engineer H. J. Brunnier, Sharon Bldg., San Francisco, preparing plans for two wood combination bridges to be erect wood combination bridges to be erected over Van Dusen River in Humboldt county; each 170 ft., 2 span. Estimated cost, $40,000 each.

REDDING, Shasta Co., Cal.—F. H. Nielson of Orland, awarded contract by supervisors to construct two bridges—one over Pit river at Fall River Mills and another at McArthur for $38,044 and $4,623 respectively. Pit river bridge will be 300-ft. long— 6 spans, stringer concrete structure of girder type. McArthur bridge will be single girder span, 40-ft. long.

SANTA BARBARA, Calif.—W. M. Ledbetter Co., 759 Pacific Electric Bldg. Los Angeles, awarded contract by supervisors $6100 to construct reinforced concrete trestle bridge with timber wing walls across creek at Sta. 681-75 permanent road division of Lompoc, near Santa Rosa school house, in 4th Rd. district. Other bids were: Mercereau Bridge and Construction Co., Los Angeles, $7479. West Coast Construction Co., San Francisco, $8891.

Engineers and Contractors
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OROVILLE, Butte Co., Cal.—T. H. Polk, 511 - 2nd street, Chico, at $6,841.96 awarded contract by supervisors to construct Pine creek bridge on Cana road, near Cana, 150-ft. long, involving 284.0 cu. yards concrete. Other bids: Security Bridge Co., Ogden, Utah, $9,693; E. M. Whipple, San Francisco, $9,372; C. B. Johnson, Chico; $7,553; J. L. Webster, Chico. $7,128; G. L. Lisher, $7,067

IRRIGATION PROJECTS

SANTA ANA, Cal.—Property owners in Garden Grove district vote to construct a tile drainage system for 2400 acres at cost of $100,000. Pipe will be laid at depth of 6 to 7 ft. A. J. Lake, H. B. Clemons and Ed Chaffee are directors of district.

OROVILLE, Butte Co., Cal.—Butte County Supervisors approve plans for Butte Creek Drainage District, which include approximately 35,000 acres of lands on the Butte Creek watershed. E. T. Williamson, Ed Harkness and John C. Burdon, all of Chico, are interested in the project.

LIGHTING SYSTEMS

PASADENA, Cal.—City Directors declares intention to construct ornamental lighting system in portions of Grand Ave., Del Rosa Drive, Maylin St., and other streets. Work involves 51 reinforced concrete posts with 80 C. P. lamps, and 16-in. Moonstone or McLaughlin glass, iron and fibre conduits, G. E. cutouts, transformers, B. S. G. lead covered copper cables; 1911 Act.

Also resolution of intention to construct lighting system in El Molino Ave., consisting of 22 reinforced concrete posts, and other spec. as above; 1911 Act.

FULLERTON, Cal.—Until 7.30 P. M., May 23, bids will be received by city clerk F. C. Hezmalhalch to construct lighting system including reinforced concrete posts, lamps, globes, sockets, etc., in portions of E Union, Malvern, E Chapman, E Whiting, W Whiting, W Wilshire, E American, W American, E Commonwealth and N Pomona Aves. 1911 Act and 1915 Bond Act. Ben F. Dupuy, city engineer.

ALTADENA, Cal.—Petition filed with county supervisors for formation of lighting district in Altadena Lighting District.

MODESTO, Stanislaus Co., Cal.—City Council, L. A. Love, clerk, declares intention to construct (Marbelite) concrete electroliers in Sycamore Ave. between Stoddard and right of way of Lateral 4, Modesto Irrigation District, and in portion of Stoddard Ave. Imp. Act 1911. Geo. Freitas, city engineer.

LOS ANGELES, Cal.—Until 11 a. m., May 15, bids will be received by county supervisors to install lighting system in Montrose Lighting District.

LOS ANGELES, Cal.—Ordinance adopted by Board of Public Works ordering construction of ornamental lighting system in Figueroa St. bet 60 ft. north of First St. and Sixth St 1911 Act. Work will involve 60 marbelite posts, 250 c.p. lamps, with Novlux globes. Bids will be called for in about 60 days after bonds have been collected in acordance with 1911 street lighting act.

LOS ANGELES, Cal.—Western Electric Co., 301 E. 8th St., submitted low bid to public service commission, for furn. cross-arms in accordance with spec. No. P-268 at (1) 86 3-5c, (2) 92c, (3) $1.28; total, $14,274. San Pedro Lumber Co.—(1) $1.12, (2) $1.01½, (3) $1.57. Pacific States Electric Co.—(1) $1.57, (2) $1.39, (3) $2.04. Alternate (1) $1.05, (2) 94c, (3) $1.47. Hammond Lumber Co.—(1) $1.15, (2) 97c, (3) $1.46.

MODESTO, Stanislaus Co., Cal.— City Council, L .A. Love, clerk, declares intention to install Marbelite electroliers (Type 700) in Sycamore ave., between Needham and Stoddard. Work under Imp. Act 1911. Protests May 24. Geo. Freitas, city engineer.

FULLERTON, Cal.—Until 7:30 P. M., May 23, bids will be received by city trustees to construct ornamental lighting system requiring 156 reinforced posts with Novalux lighting units. Ben F. Dupuy, city engineer.

LOS ANGELES, Cal.—Council declares intention to construct ornamental lighting system in Central Ave. bet. 45 ft. north of 50th St. and Slauson Ave. 1911 Act.

MACHINERY

SAN RAFAEL, Marin Co., Cal.—Until May 8, 8 P. M., bids will be received by Eugene W. Smith, city clerk, for furnishing one 1-ton chassis truck complete, f. o. b. San Rafael. Spec. may be had from clerk.

SAN FRANCISCO — Pelton Water Wheel Co., San Francisco, at $248,800, awarded contract by Board of Public Works to furnish and deliver four 25,000 H. P. impulse water wheel units to operate at a speed of 257 revolutions per minute, with individual oil pressure sets for Moccasin Creek Power Plant, Hetch Hetchy project. City has option to purchase under this contract 2, 3 or 4 water wheel units.

Coffin Valve Co., at $37,580, awarded contract to furnish 8 36-in. gate valves with hydraulic operating cylinders—these under Contract 79-B, Hetch Hetchy project.

General Electric Co., at $260,285, awarded contract to furnish and deliver a 26,000 kv-a electric generators to operate at a speed of 257 revolutions per minute with accessory equipment, under Contract 80, Proposition B.

LOS ANGELES, Cal.—Until 3 P. M., May 16, bids will be received by public service commission, 207 S. Broadway, for fibre conduit. Spec. P-271. Jas. P. Vroman, secretary.

PASADENA, Cal. — American Cast Iron Pipe Co., awarded contract by city directors for furnishing water department, 6000 ft. 8-in. class B. B. & S., cast iron pipe at $1.156 ft.; 6000 ft. 6-in. pipe at 81c ft.; fittings at 5c lb. Other bids were: Pacific Pipe & Supply Co., 8-in and 6-in. pipe, $49.10 ton; fittings, $105.30 ton. U. S. Cast Iron Pipe & Foundry Co., 8-in. and 6-in., $49.20 ton; 5-metre lengths, $$60.20 ton; fittings, 5.2c lb.

TUCSON, Ariz.—Pacific Fruit Express Co., H. A. Warren, engineer, taking figures for constructing a 2-story ice storage plant, 125x125 ft., 40 ft. high, to be built on S. P. reservations near N First Ave. Building will be of reinforced concrete, with 8-in. walls, 5-in. cork insulation and contain 18,000 lin. ft. 2-in. pipe. Capacity will be 15,000 tons. Equipment will include 75 to 100 H. P. standby transformer, brine cooler, ammonia condenser costing $20,000, 18-ton compressor and 2000-gallon per minute pumping plant.

ANAHEIM, Cal.—Until 8 P. M., May 11, bids will be received by city clerk Edw. B. Merritt, for deep well pump and motor. Bids to be taken on both, with starting compensator, or on pump and motor separately. Bidders to furnish: price of motor and starting compensator, f. o. b. cars Anaheim, with complete spec. and guaranteed efficiency; price of pump f. o. b. cars Anaheim, and installed in 16-in. well at 518 S. Los Angeles St., Anaheim; weight of pump and time of delivery together with complete spec. and guaranteed efficiency of pump. Certified check or bond, 10%.

LOS ANGELES, Cal.—U. S. Cast Iron Pipe & Fdy. Co., Wright & Callender Building, awarded contract by public service commission, for standard dipped bell and spigot C. I. water pipe, as follows: 400 pcs. 12-in. "C", 12-ft. lengths, 1100 lbs. per length; 60 pcs. 12-in. "C", 12-ft. lengths, 1100 lbs. per length; 200 tons to be delivered to Soldiers' Home, Sawtelle, at $48.70 per ton, and 33 tons to Enterprise St. yard at $47.20 per ton. Pacific Pipe Supply Co. bid $49.10, Sawtelle; $47.60 Enterprise St. yard.

PASADENA, Cal.—Until 11:30 a. m., May 8, bids will be received by city clerk Bessie Chamberlain, for (1) Horizontal centrifugal pump, capacity .6 cu. ft. per sec. against head of 230 ft. and mounted on extended cast iron bed plate for direct connection to electric motor: spec. 122; (2) Horizontal centrifugal pump, capacity 1 cu. ft. per sec. against head of 250 ft. and mounted as in item 1; spec. 122; (3) Horizontal centrifugal pump, capacity 1.4 to 2.4 cu. ft. per sec. against head of 75 ft. and to be mounted on cast iron base and complete for belt drive; spec. 122 (4) Deep well turbine pump, capacity 2.5 cu. ft. per sec. against a head of 250 ft. for belt drive; sepc. 123. Spec. are on file at office of chief engineer of water department, 25 E. Union St. Cert. check or equal 10% req.

NEWPORT BEACH, Cal.—J. H. Mefford, Santa Ana, awarded contract by city trustees at $2728.90 for drilling 18-in. well at waterworks plant.

SANTA BARBARA, Cal.—Olt Hardware Co. awarded contract by supervisors at $3460 for installing water softening plant at Santa Barbara general hospital.

LOS ANGELES, Cal.—W. M. Ledbetter, 759 Pacific Electric Bldg., submitted low bid to the Board of Public Works, at $25,856, constructing Harris pumping plant. The bid was (1) $15,790, constructing concr. structures containing pump pit and meter pit, and 45 ft. reinf. pipe sewer; (2) $7342 pumping equipment and all appurtenances, C. I. pipe installed to operate and exhauster completely installed; (3) $2724 brick pump house complete, water pipe and grading of lot, lighting system. Frank H. Greene bid: (1) $17,500; (2) $7380; (3) $2600; total, $27,480.

OAKLAND, Cal.—Los Angelos Shipbldg. Co., Los Angeles, at $586,000 submits low bid to San Francisco-Oakland Terminal Rys., to construct two steel ferryboats. Other bids: Moore Shipbldg. Co., Oakland, $660,000; Bethlehem Shipbldg. Co., San Francisco, $675,000; Union Construction Co., Oakland $844,000. Bids taken under advisement.

SUPERIOR, Ariz.—Magma Copper Co. of Superior plans erection of $3,000,000 smelter. A contract will be let shortly.

MERCED, Merced Co., Cal.—City trustees vote to purchase Austin street brooms, horse drawn, for $980. C. D. Martin, city engineer.

BAKERSFIELD, Kern Co., Cal.—Currie & Dulgar, Kern County Land Bldg., at Bakersfield, $1,331.81 awarded contract by Kern County Union High School District to construct additions to boiler plant. Contract for electrical distributing system awarded to Kern Valley Electric Co., 1805 Chester Ave., Bakersfield, $1,565. Chas. H. Biggar, First Natl. Bank Bldg., Bakersfield, architect.

MERCED, Merced Co., Cal.—City Trustees, W. W. Cornell, clerk, contemplate purchase of street sweeping machine. Not yet decided whether to purchase motor or horse drawn machine. C. D. Martin, city engineer.

EUREKA, Humboldt Co., Cal.—Eureka Boiler Works, Eureka, at $4120 awarded contract by supervisors to fur. and install steam boiler in new Tubercular Hospital.

SANTA ANA, Cal.—Johnson Pump Co. as agents for American Well and Prospecting Co., 407 E. 3rd St., Los Angeles, submitted low bid to city commission at $1430 for furnishing deep water well pump. Other bids were: Layne & Bowler Co., $2002.40. Byron Jackson Iron Works, $1744, with alternate bid, $1594. Frank J. Kimball Co., $1850. Bids were taken under advisement.

SANTA ANA, Cal.—J. S. Fluor, Santa Ana has prepared plans and has the contract at approximately $75,000 to build ice manufacturing and cold storage plant on East First St. for Santa Ana Commercial Co. Building will be one story, reinforced concrete construction, with entirely new equipment.

SAN FRANCISCO, Cal.—Schultz Construction Co., 46 Kearny St., San Francisco, at approximately $21,000, awarded contract by Lake Merced Golf and Country Club to furnish and place water pipe for irrigation on club grounds.

Pittsburg Des Moines Bridge and Iron Works, Rialto Bldg., San Francisco, at approximately $6000 awarded contract to furnish 100,000-gal. steel tank on 40-ft. tower.

J. P. Robers awarded contract to bore two wells at approximately $6000. H. J. Brunnier, Sharon Bldg., San Francisco, is engineer and president of the club.

SAN DIEGO, Cal.—The San Diego Consolidated Gas and Electric Co. has filed application with the Railroad Commission for an order authorizing the issue and sale of preferred stock of the par value of $535,700, the proceeds to be used in the construction of an additional gas holder of 6,000,000 cu. ft. capacity, the cost of which is estimated at $516,950.

STOCKTON, San Joaquin Co., Cal.—Supervisors authorize county purchasing agent to purchase a 1-ton and one 2½-ton motor truck, the latter not to cost more than $2250. To be used by county highway maintenance department. F. E. Quall, county surveyor.

PETALUMA, Sonoma Co., Cal.—Until May 24, 7 p.m., bids will be received by Board of Education for furnishing and delivering two motor trucks completely equipped with bodies and standard makes of pneumatic tires for transportating school children; trucks 2-ton with seating capacity from 47 to 50 persons.

ALHAMBRA, Cal.—Until 5 p.m. May 15, bids will be received by city clerk for material as follows, f.o.b. Alhambra:

First Alternative: Cast iron bell and spigot class B water pipe in 12-ft. lengths; 5000 ft. of 4-in.; 320 ft. of 6-in.; 2260 ft. of 8-in. and 152 ft. of 16-in. diameter pipe.

Second Alternative: Cast iron bell and spigot class B water pipe in five-meter lengths, 500 ft. 4-in. diameter pipe.

Bids will also be received for cast iron bell and spigot class D water pipe fittings. Bids for pipe to be submitted in 100-ft. units. Certified check, 25 per cent. Grant M. Lorraine, city manager.

STOCKTON, San Joaquin Co., Cal.—Supervisors authorize county purchasing agent to purchase new speed boat for use of Sheriff's office; cost not to exceed $6000. Eugene D. Graham, county clerk.

LOS ANGELES, Cal.—Until 10 a.m. May 15, bids will be received by Board of Public Works for furnishing steel floor beams for Fourth Street Viaduct over Los Angeles River. Specifications from city engineer, room 405 South City Hall annex. Certified check or bond 10 per cent.

RAILROADS

SAN FRANCISCO—Eaton & Smith, 407 11th St., at $42,285 awarded contract to construct Taraval street extension to Municipal Railway.

LOS ANGELES, Cal.—Until 2:30 p. m., May 16, bids will be received by board of harbor commissioners, room 33, City Hall, for track materials for berths 195-196. Spec. No. 378 Guy W. Wade, secretary.

SUPERIOR, Ariz.—Twohy Bros. Co., Phoenix, has been awarded contract at $750,000 to construct 34 miles standard guage railroad bet. Superior and Magma Junction for the Magma Copper Co. of Superior. The work is part of a $4,000,000 improvement program by the company at Superior. John D. Twohy will have charge.

FIRE EQUIPMENT

MERCED, Merced Co., Cal.—Until May 15, 8 p.m., bids will be rec. by W. W. Cornell, city clerk, for fur. and del. 500 ft. 2½-in. fire hose. Bidders to submit samples.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

SAN FRANCISCO—C. H. Sweetser, District Engineer, U. S. Bureau of Public Roads, 881 Mills Bldg., is preparing spec. for following grading projects, bids for which will be asked during the year:

10.25 miles of Big Bear Valley road, between Deep Creek and Big Bear Lake Dam in San Bernardino county; estimated cost, $168,000. Bids will be asked in June or July.

12 miles of Cuyama highway, from west to east line of Santa Barbara National Forest in Santa Barbara county; estimated cost, $200,000. Bids to be asked probably in August.

11 miles from 8 miles east of Paynes Creek to Mineral in Tehama County, on Red Bluff Susanville state highway lateral; estimated cost, $200,000. Bids to be asked probably in October.

13 miles on Redding-Alturas state highway lateral, from Aldin to Aldin Summit in Modoc county; estimated cost, $200,000. Bids to be asked about October.

10 miles Crescent City—Grants Pass highway, south from Oregon Line, in Del Norte county; estimated cost, $200,000. Bids to be asked probably in October.

MODESTO, Stanislaus Co., Cal.—Until May 10, 8 P. M., bids will be received by L. A. Love, City Clerk, to improve H street between 15th and High; High St., between Downey and H and Kimble St., between H and Downey; by grading, paving with 2½-in. asphaltic concrete base with 1½-in. Warrenite-Bit. surface; concrete curbs and gutters. To be paid from Street Improvement Bond Fund.

Separate bids, same date, to improve Maynell avenue, between McHenry and Johnson by grading, paving with 2½-in. asphaltic concrete base with 1½-in. Warrenite-Bit. surface; concrete curbs and gutters, brick manhole, 3 concrete storm water inlets with 8-in. vitrified sewer connections. Improvement Bond Act 1915. Geo. Freitas, City Engineer.

RICHMOND, Contra Costa Co., Cal.—L. L. Page, 728 Bissell Ave., Richmond, at $48,843 awarded contract by council to improve portions of Bush, Pine, Emeric Aves., Hayes, 24th, 25th, 26th and 27th Sts., by grading, paving with 2-in. quarry dust base and 1-course asph. concr. pavement 4 in. thick, corru. iron or steel and cement concr. culverts; 6-in. vitrified sewers, etc.

L. L. Page at $11,716 also awarded contract to improve 29th St. bet. Cutting Blvd. and Potrero Ave., by grading, paving with a 2-course 5-in. asph. concr. pavement; concr. curbs, gutters and sidewalks, corru. or steel and cement concr. culverts, etc.

OROVILLE, Butte Co., Cal.—Following bids received by supervisors to construct Biggs-Princeton Road, Rt. 6, Sec. A, 3.40 miles, involving 4000 cu. yds. unclassified grading; 269,000 sq. ft. asphaltic concrete pavement with 2½-in. base course and 1½-in. wearing surface or 269,000 sq. ft. asphaltic concrete pavement with 3½-in. base course and 1½-in. wearing surface.

Chico Contracting Co., 7th and Oak Sts., Chico, (1) 4-in., $55,340; (2) 5-in., $65,255. (Awarded contract).

Clark & Henery Construction Co., Stockton, (1) $58,412; (2) $66,040.50.

J. J. McHugh, Foxcroft Bldg., San Francisco, at $61,540.85, only bidder, awarded contract to construct Nelson Blavo to Butte Creek Road, Secs. A and B, 6.07 miles, involving 7488 cu. yds. earthwork without classification; 11,029 tons broken stone surfacing; 418 tons asphalt oil grade E spread.

CARMEL BY THE SEA, Monterey Co., Cal.—Until May 16, bids will be received by City Trustees to pave Ocean Ave. with 5-in. 1:2:4 concrete, approximately 10,560 sq. yds. H. B. Fisher, Growers Bank Bldg., San Jose, city engineer.

SACRAMENTO, Cal.—The California Highway Commission received bids on May 1st as follows for highway improvement in two counties:

Lake County, between Westerly Boundary and Upper Lake (1-Lak-15-A), about nine (9.0) miles in length to be graded.

Redmond Page & Co., Balboa Bldg. San Francisco	$167,359.50
Blumenkranz & Vernon, Stockton	172,155.50
Bordwell & Zimmerman, Calistago	174,974.50
Englehart Paving & Constr. Co. & Thos. Englehart, Eureka	177,087.50
P. L. Burr, San Francisco	178,905.50
Bates & Borland, Oakland	180,766.50
R. McLeran & Co., S. F.	188,652.50
A. J. Fairbanks, Willits	198,652.50
Conners&Hansen, Santa Rosa	193,850.00
Palmer & McBride, S. F.	201,115.50
Standard Industrial Engineer Cpin, S. F.	210,843.00
Johnson Contract Co., Portland	213,498.50
C. J. Hillard, S. F.	228,997.50
H. C. Vensano, S. F.	230,749.00
Grant Smith & Co., S. F.	233,147.00
C. H. & A. W. Gorrill, Okd.	246,751.50
Warren Constr. Co., Oakland	261,221.60

Engineer's Estimate, $168,020.40.

San Benito County, between San Juan and Pajaro River (V-SBt-2-A), about four and six-tenths (4.6) miles in length, to be paved with Portland cement concrete.

W. A. Dontanville, Hollister	$47,802.50
Blanco & Taylor, Vallejo	52,065.00
Basich Bros. Co., San Luis Obispo	52,142.50
Frederick & Shannon, Fresno	57,573.00
Kaiser Paving Co., Oakland	60,625.00
John Doyle, San Jose	66,575.00
General Constr. Co., S. F.	95,935.00

Engineer's Estimate, $66,937.50.

SACRAMENTO, Cal. — McGillivray Construction Co., Capital National Bank Bldg., awarded contract by City Commission to improve 40th St. between H and E by constructing concrete curbs and gutters; 4 cast iron gutter drains with 6-in. vitrified sewer connections; 2 concrete manholes; 8-in. vitrified sewer; ¾-in. water main connections; reconstructing 3 concrete manholes; grading and paving with 5½-in. asphaltic concrete.

To McGillivray Construction Co., to improve 1st Ave. between 37th and Santa Cruz Way by constructing concrete curbs and gutters; 8 cast iron gutter drains with 6-in. vitrified sewer connections; 8-in. vitrified sewer; 2 concrete manholes; 1-in. water main connections; grading and paving with 5½-in. asphaltic concrete; and in 39th St., from manhole in alley between Y and 1st Ave., to manhole in 1st Ave., by constructing 8-in. vitrified sewer.

To McGillivray Construction Co., to improve 29th St. between R and Y, by constructing concrete curbs and gutters; cast iron gutter drains with vitrified sewer connections; concrete manholes; reconstructing concrete manholes and catchbasins, grading and paving with 5½-in. asphaltic concrete.

Clark and Henery Construction Co., Ochsner Bldg., awarded contract to improve 13rd St. between 4th Ave. and Rose Ave. Tract 2, by constructing concrete curbs and gutters; cast iron gutter drains with vitrified sewer connections; concrete manholes extending 6-in. vitrified sewer services; constructing 8-in. vitrified sewer; ¾-in. water main connections; grading and paving with 5½-in. asphaltic concrete.

To Clark and Henery, to improve M St. between 33rd and 34th by constructing concrete curbs and gutters; 2 cast iron gutter drains with 6-in. vitrified sewer connections; 1 concrete manhole; grading and paving with 5½-in. asphaltic concrete.

T. M. Burns, 2207 N St., awarded contract to improve alley between J and K, 16th and 17th St., by constructing 2 concrete catchbasins with 6-in. vitrified sewer connections; reconstructing 1 concrete manhole, grading and paving with 5-in. hydraulic concrete. Albert Givan, city engineer.

LODI, San Joaquin Co., Cal.—City Trustees, J. F. Blakely, clerk, declares intention to improve:

(Resolution 54.) Oak St. between Hutchins and west city limits, including all street and alley intersections.

(Res. 55.) Locust St. between Hutchins and Schroeder Tract.

(Res. 56.) Rose St. between Locust and Elm; from Elm to Oak; from Oak to Sargeant Road.

(Res. 57.) Cordier St. between Locust and Elm; Elm to Oak; Walnuut to Sargeant Road.

All above by grading, constructing hydraulic concrete curbs and gutters, paving with 2½-in. asphaltic concrete base with 1½-in. Warrenite surface. Imp. Act 1911 and Bond Act 1915. Protests will be heard May 15. L. F. Barzellotti, city engineer.

PASADENA, Cal.—City Directors declare intention to lay 4-in. class B cast iron water pipe in Yolo St. between Wilson and Stevenson Aves.; 6-in. class B cast iron water pipe in Allendale Road between Oakland and El Molino Ave.; 4-in. cast iron water mains in India St. between Los Robles and Madison Aves.

MODESTO, Stanislaus Co., Cal.—City Council, L. A. Love, clerk, declares intention to improve 5th St. between F and H by grading with 2½-in. asphaltic concrete with 1½-in. Warrenite-Bitulithic surface, concrete curbs and gutters. Imp. Act 1911. Protests May 24.

Intention declared to improve Sycamore Ave. between Stoddard and right of way Lateral 4, Modesto Irrigation District, and in Stoddard Ave. beg. at point 15 ft. west of SE corner block 537 to Magnolia Ave., by grading and paving with 2½-in. asphaltic concrete base with 1½-in. Warrenite-Bitulithic surface, concrete curbs and gutters and installing (Marbelite) concrete electroliers. Imp. Act 1911. Protests May 24. Geo. Freitas, city engineer.

COEUR D'ALENE, Idaho—Fiorito Bros., 3950 6th avenue, North, Seattle, Wash., at 293,151 awarded contract by Idaho State Dept. of Public Highways to pave with concrete (approximately 134,835 sq. yards) 13 miles of North Pacific Highway from Coeur d'Alene city limits west to Washington state line. Pavement 6 and 7-in. thick, 18-ft. wide.

RIVERSIDE, Cal.—Council declares intention to construct sanitary sewer in Hayes, Myers, Taft, Galloway, Roosevelt, Magnolia, and in other streets in Village of Arlington; 1911 Act and 1915 Bond Improvement Act.

INGLEWOOD, Cal.—City Engineer Arthur W. Cory, preparing plans for water pipes, wells, etc., for enlarging present water distributing system.

SAN BERNARDINO, Cal.—Until 7.30 P. M., May 15, bids will be received by city clerk J. H. Osborn, to construct 14-in. vitrified pipe sewer in 1st St. between Eighth and Base Line Sts., with 5 manholes and 13 connecting sewers; 8-in. vitrified pipe sewer in 9th St. between I and L Sts., one flush tank, 3 manholes and 51 4-in. connecting sewers; 1911 Act. C. E. Johnson, city engineer.

LONG BEACH, Cal.—A. L. Ferver, director of public service, reports plans for the addition to the sewage disposal plant at the entrance to the harbor will be completed within 60 days.

SAN DIEGO, Cal.—City Council declares intention to improve E Street, between 30th and 31st Streets, by grading, constructing concrete walks, curbs and 8-in. cement pipe culvert; 1911 Act.

State Street between Redwood and Quince Streets, to be graded and paved with one-course cement concrete; 1911 Act.

Portions of Grape Street and Front Street, to be improved by paving with asphalt concrete wearing surface on asph. conc. base; also 1-course concrete in certain parts; concrete walks and culverts; 1911 Act.

Third Street between Walnut and University Aves., to be paved with asphalt concrete wearing surface on asphalt concrete base; 1911 Act.

Portions of Eighth and A Streets, to be improved by paving with asphalt concrete wearing surface on cement concrete base, concrete curbs, and house connection sewers; 1911 Act.

Roosevelt Memorial Dr., between Pueblo lot 1286 and existing pavement at the foot of the Biological Grade, to be improved by grading, paving with one course cement concrete and cement concrete beams, 35 ft. 18-in., 37 ft. 24-in. and 30.75 ft 60-in. corrugated iron culvert; 1911 Act.

Iowa street, between University and Polk Avenues, to be paved with asph. concrete wearing surface on asphalt concrete base; 1911 Act.

Torrey Rd., between Prospect Pl. and Princess Street, to be improved by grading, paving with one course cement concrete, concrete curbs, walks 52 ft. 18-in corrugated iron culvert; also 30 ft of Roosevelt Memorial Dr., by grading and paving with one course cement concrete 50 ft. 24-in., 37 ft. 18-in. and 48 ft. 24-in. corrugated culvert, 1911 Act.

Herman Ave., between University and Thorn Street, to be improved by paving with asphalt concrete wearing surface on asphalt concrete base, constructing concrete curbs and walks; 12 ft 16-in. concrete pipe, 19-ft. 16-in. concrete pipe, 338-ft. 18-in. double strength concrete pipe, 12-ft. 15-in. corrugated iron pipe; 1911 Act.

BAKERSFIELD, Kern Co., Cal.—Until May 8, 5 P. M., bids will be received by V. Van Riper, City Clerk, to improve Jackson street, between Baker and King and alley in Block 72, Kern, by grading, concrete curbs and gutters, paving with 3½-in asphaltic concrete base with 1½-in. Warrenite-Bitt surface and constructing concrete corrugated iron covered culverts at King and Jackson Sts. Improvement Act 1911. W. L. Clarke, City Engineer.

BAKERSFIELD, Kern Co., Cal.—Petitions are being circulated seeking establishment of a municipally-owned water system. Civic Commercial Association backs the movement.

VANCOUVER, Wash.—Until May 15, 10 a. m., bids will be received by J. L. Garrett, auditor, Clarke county, for grading, draining and paving with either of 5 alternate types of pavement 5½-miles of Battleground-Hession road under Donahue Road Act. W. A. Schwarz, County Engineer.

BURLINGAME, San Mateo Co., Cal.—Pacific States Construction Co., Call Building, San Francisco, awarded contract by trustees to improve portions of Fairfield and Grange roads, Acacia Dr., Farrington Lane, etc., involving: 365,000 sq. ft. Grading, $.02; 326,000 sq. ft. 4-in. hyd. conc. pavement with 1½-in. asphaltic surfacing, $.20; 20,800 lin. ft. Gutter, $.25; 3,750 lin. ft. Curb, $.50; 3,550 lin. ft. 4-in. Sewer, $.60; 3,050 lin. ft. 6-in. Sewer, $.75; 555 lin. ft. 8-in. Sewer, $.90; 170 lin. ft. 8-in. Sewer Pipe, $1.00; 100 lin ft. 10-in. Sewer, $1.15; 370 lin. ft. 10-in. Sewer Pipe, $120; 245 lin. ft. 12-in. Sewer, $1.40; 171 4 in by 4 in Wyes, $1.60; 35 4 in by 6 in. Wyes, $2.00; 8, each 4 in. by 8 in., Wyes, $2.50; 3, Lamphole, $10.00 each; 10 Manholes, $85.00 each; 1 8 in. by 8 in. Grated Inlet, $20.00; 8 18 in. by 18 in. Grated Inlets, $30.00 each; 6 24 in. by 24 in. Grated Inlets, $45.00 each; 9,700 sq. ft. Sidewalk, $.15; 2 Reinforced Concrete Culverts, $1,200 each.

BAKERSFIELD, Kern Co., Cal.—Engineer Paul E. Kressly, H. W. Hellman Bldg., Los Angeles, commissioned by the Supervisors to prepare specifications to improve road in Section 13-32-23, the uninhabited territory excluded from the city of Taft.

SAN MATEO, San Mateo Co., Cal.—City Trustees, F. W. Foster, Clerk, declare intention to improve portions of B, Laurel, 5th, 6th, 7th, 8th and 9th Sts., involving 6000 lin. ft. combination concrete curbs and gutters; 41,500 sq. ft. artificial stone walks; 200 lin. ft concrete curb; 60 lin. ft. concrete gutter; 3 concrete catchbasins; 2000 sq. ft. driveway approaches. Improvement Act 1911. Protests May 15. G. Stanley Whitehead, City Engineer.

LONG BEACH, Cal.—Council declares intention to construct cement concrete pipe sewers in Redondo, Loma and Euclid Aves., and Eliot, Second, Tenth and other streets; 1911 Act.

POMONA, Cal.—Council declares intention to pave portions of Alvarado, Main, Pearl, Elm and Eleanor Sts., Pasadena and West Holt Aves., estimated to cost $100,000. Proceedings will be started immediately. Street work in Ganesha Park section to cost $40,000 is also planned. F. C. Froehde, City Engineer.

LOS ANGELES, Cal.—County supervisors appoint George W. Jones to prepare specifications for improvement work in R. I. D. No. 224, La Peer St. and Swall Avenue.

PHOENIX, Ariz.—E. S. Wheeler, Phoenix, engineer, district No. 13, U. S. bureau public roads, has ordered surveys for approximately 113 miles roads in Arizona and New Mexico, to be built with federal funds. New Mexico projects are: Canyoncito-Pecos, 18-ft. surfacing, 12 miles; Cimarron-Toas, 18-ft. surfacing, 18 miles; Silver City-Reverse, 16 miles, 14 ft. wide with surface, Arizona projects: Prescott-White Spar, 18 miles; estimated cost, $500 per mile; Ashfork, 26 miles to boundary of forest reserve; Flagstaff-Angell, 23 miles. Total estimated cost, $1,250,000.

LOS ANGELES, Cal.—Until 10 a.m., May 8, bids will received by the Board of Public Works for grading and oiling, constructing asphalt pavement, in Lowell St., bet. Huntington Dr. and Keats St., and portions of Shelley and Keats Sts. and Huntington Dr.; Vrooman Act. Work will involve 31,160 sq. ft. grading and oiling, 583 sq. ft. asph. paving, 2581 ft. curb, 5184 sq ft. gutter, 12,821 sq. ft. walk, 72.5 12-in. sem. pipe, 7.5 ft. 30-in .corru. iron pipe, 2 No. 17 catch basins, one end wall and 2228 cu. yds. out.

SAN DIEGO, Cal.—City Council has ordered grading of Kettner Blvd., near Water front. City Manager recommends paving between B and Pierce Sts. Resolutions adopted ordering paving on Seventh and A Sts., Homer St. in Loma Portal, between Chatsworth and Rosecrans Sts.; Upas St., between 30th and 32rd Sts.; grading on Valle and Martin Aves.

SAN DIEGO, Cal.—Santa Fe Railway plans immediate development of Warner's water system in north end of San Diego county. Huge reservoirs will be constructed impounding millions of gallons of water annually. Development of arid lands in both San Diego and Orange counties is contemplated.

MODESTO, Stanislaus Co., Cal.—City Council, L. A. Love, clerk, declares intention to improve Sycamore avenue, between Needham and Stoddard by grading, paving with 2½-in. asphaltic concrete base and 1½-in. Warrenite-Bit. surface; concrete curbs and gutters and installation. Marbelite concrete electroliers, Type 700. Imp. Act 1911. Protests May 24. Geo. Freitas, city engineer.

BAKERSFIELD, Kern Co., Cal.—Supervisors, F. E. Smith, county clerk, petitioned to grade and oil road from Belridge to Lokern.

RIVERSIDE, Cal.—Until 10 a.m., May 15, bids will be rec. by county supervisors for 13,636 lin. ft. guard fence for approach to the Ehrenberg Ferry. Spec. on file with A. C. Fulmor, county surveyor. Cert. chk. 5%.

FILLMORE, Cal.—Until 7:30 p.m., May 9, bids will be received by C. Arrasmith, city clerk, for paving Santa Clara St. bet. Central Ave. and A St., with approx. 20,000 sq. yds. 5-in. concr. constructing cement Class "B" tral Bldg., Los Angeles, engineer.

VENTURA, Cal.—Untill 11 a.m. May 23, bids will be received by county supervisors for macadamizing 3 miles of road running out of Santa Paula, northward from Cummings property, in Supervisor Butcher's district. Chas. W. Petit, county surveyor.

OAKLAND, Cal.—City Council, Eugene K. Sturgis, clerk, orders paving of Telegraph Ave. bet. 52nd St. and Berkeley city limits. San Francisco-Oakland Terminal Rys. will pay $130,000 of cost. W. W. Harmon, city engineer.

OAKLAND, Cal.—City Council, Eugene K. Sturgis, clerk, declares intention to improve 85th Ave. bet. East 14th and E Sts., by grading, const. concr, curbs, gutters and sidewalks, paving with oil macadam; corru. iron and concr. culverts. Imp. Act 1911. Protests May 18. W. W. Harmon, city engineer

VISALIA, Tulare Co., Cal.—City Trustees order paving of 1½ miles of streets: West Mineral Ave., bet. Baker and Conyer, and Stephenson St. bet. Mineral King and Noble Ave. L. H. Gadsby, city engineer.

WHITTIER, Cal.—City Trustees declare intention to improve alley bet. Comstock and Milton Aves., from College St. to Penn St., and the alley bet. Milton and Newlin Aves., from College St. to Penn St., by grading paving with 5-in. concr.; 1911 Act.

WALLA WALLA, Wash.—Until May 23, bids will be received by city commission to pave approximately 2 miles of streets.

SUSANVILLE, Lassen Co., Cal.—Seymour Case appointed engineer for Susanville Sanitary District.

RED BLUFF, Tehama Co., Cal.—Chas. A. Lunning, son of county surveyor W. F. Lunning, will be a candidate for office of county surveyor. Lunning, Sr., will retire after thirty-two years service.

SANTA ANA, Cal.—Trustees declare intention to improve portion of West 17th St., by constructing curbs, paving with 6-in. concrete pavement with belt wearing surface, and laying 8 and 4-in. sewer connections; 1911 Act. W. G. Knox, city engineer.

EL CENTRO, Cal.—All bids for improving portions of Orange and Commercial Aves., Third and Fourth Sts., rejected by city council. Work involves 100,000 sq. ft. of paving, part asphaltic concrete and part 2-in. asphalt and 5-in. cement concrete base, 4000 ft. curb, and laying 6-in. water mains. The work will be readvertised later. F. C. Dyer, city engineer.

REDWOOD CITY, San Mateo Co., Cal.—G. A. Kreiss at $85, awarded contract by trustees to construct wood fence on El Camino highway bet. Lincoln and Redwood avenues.

NEWPORT BEACH, Cal.—Frank H. Greene, 1328 S Western Ave., Los Angeles, awarded contract by trustees, at $4.35 ft. for constructing 4420 ft. board walk on wooden pile bents on Ocean Ave. between 9th and 19th Sts. Paul E. Kressly, 732 H. W. Hellman Bldg., Los Angeles, engineer.

HOLLISTER, San Benito Co., Cal.—Supervisors plan to grade Bolaa road preparatory to graveling next fall. W. A. Winn, county surveyor.

SAN LUIS OBISPO, Cal.—J. L. Conner, Sacramento, at $20,400 awarded contract by supervisors to construct Sec. C-2, Rd. 3, San Luis Obispo-Cambria road, involving 30,000 cu. yds. excavation. Other bidders: J. Wilmshurst, San Francisco, $22,500; Harlan & Cullers, Sacramento, $25,350; Voris, Jenkins & Malcolmson, Atascadero, $30,000.

NEWPORT BEACH, Cal.—Until 7:30 p.m., May 15, bids will be received by City Clerk Alfred Smith, to pave Central Ave. and other streets, avenues and alleys, involving 368,755 sq. ft. 5-in. concr. paving, 812,438 sq. ft. 8-in. concr. paving, 47,628 ft. 6"x10"x15" concr. curb, 236 ft. 6"x15"x48" concr. curb, 74,028 sq. ft. concr. walk, 13 catch basins, 16 curb drains, 148,133 sq. ft. 6-in. clay and gravel surfacing, 32,500 cu. yds. excav., 18,200 cu. yds. fill (borrow). Plans and spec. may be obtained from Paul E. Kressly, engineer, 732 H. W. Hellman Bldg., Los Angeles. 1911 Act and 1915 Bond Improvement Act.

MARTINEZ, Contra Costa Co., Cal.—Mrs. E. E. O'Brien, Martinez, at $95,857 awarded contract by supervisors to construct Div. 81 of county highway system between Bryant Bridge on Tunnel road to town of Moraga—will be concrete 15½-ft. wide with 2-ft. oil macadam shoulders.

Hutchinson Co., Hutchinson Bldg., Oakland, at $16,692 awarded contract to construct oil macadam shoulders on Division 18 bet. Danville and county line and on Divisions 4, 11, 2 at $20,844.

WASHINGTON, D. C.—G. W. Cushing, 2005 Roosevent avenue, Richmond, Calif., at $34,062.50 awarded contract by Bur. of Yards and Docks, Navy Dept. to construct roads and walks at San Diego Naval Base, under Spec. No. 4606; time for completition 75 days.

SAN JOSE, Santa Clara Co., Cal.—J. F. Adams, 621 Home street, San Jose, only bidders at $11,188 awarded contract by supervisors to improve Trimble road in Supervisor District 3.

OAKLAND, Cal.—City Council petitioned to improve East 8th street, bet. Oak and First avenue. W. W. Harmonn city engineer.

CARSON CITY, Nevada.—City Trustees plan to pave North Carson St.; sewer will be constructed in one block.

SACRAMENTO, Cal.—City Commissioners, R. B. Carlton, clerk, declare intention to improve streets as follows:

Portions of R, 43rd, 44th, 45th, 46th, and 5 alleys by constructing vitrified pipe sewers and concrete manholes.

Alley bet. Y and Burnett, from 24th st. to point 250 ft. west by constructing 6-in. vitrified sewers with wyes and 6-in. flusher branch.

36th st., bet. Y and 5th ave., by constructing concrete curbs and gutters; c. i. gutter drains with 6-in. vitrified sewer connections; reconstructing manholes; grading and paving with 5½-in. asphalt concrete.

Alley bet. 39th and 40th, from manhole in R st., to point 250 ft. south; alley bet. 40th and 41st, from manhole in R st. to point 240 ft. south, and alley bet. 41st and 42nd, from manhole in R st. to point 230 ft.. south, by constructing 6-in. vitrified sewer with wyes and vit. flusher branches. All under Imp. Act 1911. Albert Givan, city engineer.

CALIFORNIA.—Until May 29, 2 p. m., bids will be received by Staate Highway Commission to surface with asph. conc. 4.3 mi. of highway in Sonoma county bet. Willow Brook and 1 mi. south of Petaluma. Austin B. Fletcher, state highway engineer. **See call forbids under official proposed section in this issue.**

VISALIA, Tulare Co., Cal—California Portland Cement Co. at $3.68 per bbl. awarded contract by supervisrs to furnish 7500 bbls. cement, delivered Naranjo or Lemon Cove.

HEMET, Cal.—Trustees declare intention for street work involving 410,000 sq. ft. 4-in. concrete paving, 8700 lin. ft. cement curb, 6600 sq. ft. cement walk. 1911 Act. Bids will be called for in June. F. W. Stetson, city engineer.

CALIFORNIA.—Redmond-Page Co., Balboa Bldg., San Francisco, at $167,359 awarded contract by State Highway Commission to grade 9 miles in Lake county bet. western boundary and Upper Lake.

W. A. Dontaville, Hollister, at $47,802 awarded contract to pave with Portland cement concrete 4.6 miles in San Benito county bet. San Juan and Pajaro River.

SAN JOSE, Santa Clara Co., Cal.—City Council, John J. Lynch, clerk, declares intention to improve 4th St. bet. Santa Clara and St. John, by grading; paving with 5-in. asphaltic concrete base with 2-in. Warrenite-bit. surface with asphalt paint coat. Imp. Act 1911 and Bond Act 1915. Protests May 15.

Intention declared to improve 12th St., bet. Reed and Bestor, and Bestor and Keyes, by grading; paving with 8-in. asphalt concrete base with 1½-in. Warrenite-bit. surface; concrete curbs, gutters and walks; 5 br. catch basins, 8-in. vit. pipe drains. Imp. Act 1911 and Bond Act 1915. Protests May 15. Wm. Popp, city engineer.

OROVILLE, Butte Co., Cal.—No bids received by supervisors to construct Riceton Road, 2.99 miles, involving 5187 cu. yds. unclassified grading; 4260 tons broken stone surfacing and 206 tons asphalt oil grade E. spread. Harry H. Hume, county road engineer.

TUCSON, Ariz.—City Council declares intention to pave Alameda and Toole Aves. between Stone and 6th Aves., involving curbs, concrete gutters and paving with one of seven alternative types of pavement, viz: 6-in. cement concrete, 1½-in. bitual Warrenite on 3½-in. bitum. base; 1½-in. asphaltic concrete on 3-in. bituminous base, 3-in. asphaltic concrete, 2-in. Topeake surface on 4-in. concrete base, 3-in. Willite surface on 2-in. Willite surface on 3-in. Willite base. Also paving on Driscoll St. between Alameda and Pennington Sts., involving curbs, walks and paving. Spec. for this work are same as above except that 5-in. cement concrete is specified in place of 6-in. and in 3rd and 4th alternative, 2½-in. bitum. base. L. O. Cowan, city clerk.

PORTLAND, Ore.—City Engineer O. Laurgaard complete specifications for Lents trunk sewer; estimated cost, $750,000.

GLENDALE, Cal.—City Trustees award contract to R. J. East, 225 S. Glendale Ave., Glendale, at $3290.25 for oiling and surfacing Elk Ave., bet. Pacific Ave. and San Fernando Road, and to Cornwell and Henderson, 127 S. Glendale Ave., Glendale, at $21,003.75 for oiling and surfacing Western Ave. bet. San Fernando Road and 10th St.

INGLEWOOD, Cal.—C. W. Sparks, 457 S. Lake St., Los Angeles, at $16,211 awarded contract by trustees to improve Market St. bet. Redondo Ave. and Arbor Vitae St., $1.35 lin. ft. grading; 65c curbs; 21c sq. ft. walks, and 15c sq. ft. oil macadam.

LOS ANGELES, Cal.—Supervisors will advertise for bids in about two weeks for improvement work on South Park Ave. for which an appropriation of $43,000 has been made.

STOCKTON, San Joaquin Co., Cal.—Spencer D. Miller, Manteca, at $10,340 submits only bid to superivisors to improve E. J. Mettler road, No. 525, in Fifth Road Dist. Imp. Act 1907. Bid taken under advisement. F. E. Quail, county surveyor.

ARCADIA, Cal.—Tracy & O'Keefe, 884 N. Michigan Ave., Pasadena, submitted low bid to R. H. Schwarzkopf, owner, 223 Story Bldg., at approx. $15,546.72 for grading and macadamizing approx. 6610 lin. ft. of roadway, 16 ft. wide, 4-in. thick, on Norman, Lovell and Lemon Aves. Bid is 14.7c per sq. ft.

LONG BEACH, Cal.—J. W. Butters, 651 Stanley Ave., Long Beach, awarded contract by council at 18½c sq. ft. for grading and paving with 4-in. concrete and bitum. surface, 12,915.58 sq. ft. of the alley east of Locust St., bet. 15th and 16th Sts. D. P. Durham, 900 Raymond Ave., awarded contract at 17.8c sq. ft. for grading and paving with 4-in. concrete 9911.72 sq. ft. of the alley east of Pacific Ave. bet. 15th and 16th Sts.

EUREKA, Humboldt Co., Cal—City Engineer Harry H. Hannah instructed by council to prepare estimates of cost for proposed sewer system extensions.

POMONA, Cal.—H. A. Teget, Ontario, submits low bid to city council at $11,195, for constructing 30-in. and part 16-in. reinforced concrete storm drain, concrete sills and culverts, with five cement concrete basins, five cement concrete and cast iron manholes in Garey St. bet. Bertie and 6th St. Work comprises about 3000 ft. of concrete pipe and 1000 ft. of culverts. Other bids were: Basich Bros. Co., $12,600; J. P. Hunter, $13,790; Fleming Construction Co., $13,900; C. G. Frisbie, $14,773; R. N. Nikcevich, $17,063. Bids taken under advisement.

UKIAH, Mendoncino Co., Cal.—City engineer instructed to prepare estimates of cost to complete city sewer system.

STOCKTON, San Joaquin Co., Cal.—Until May 23, 10:30 a.m., bids will be received by A. L. Banks, city clerk, to improve Yosemite Ave. bet. Church and Washington Sts., by grading, constructing comb. concrete curbs, gutters and sidewalks and paving with 4-in. asphalt concrete base with 2-in. asphalt concrete surface. Improvement Act 1911 and Bond Act 1915. W. B. Hogan, city engineer.

LINDSAY, Tulare Co., Cal—City Trustees contemplaate paving of two miles of streets.

OXNARD, Cal.—Until May 9, bids will be received by City Clerk Frank B. Pettie for street work as follows: 327,591 sq. ft. 6-in. concrete on 5th St.; 79,191 sq. ft. 5-in. concrete on East 6th St.; 52,812 sq. ft. 5-in. concrete on Meta St., and 56,106 sq. ft. 5-in. concrete at Enterprise St. Samuel G. Bennett, city engineer.

STOCKTON, San Joaquin Co., Cal.—Supervisors petition to gravel 2-mile stretch of road branching off the Collegeville road at the Uriel place and 2-mile fronting the old Harold ranch near the Douglas School. F. E. Quail, county surveyor.

STOCKTON, San Joaquin Co., Cal.—Until June 6, 10 a.m., bids will be received by Eugene D. Graham, county clerk, to improve Buttrick road on Staten Island. No bids received under last call. E. F. Quail, county surveyor.

CALIPATRIA, Cal.—Trustee F. E. Raab has suggested that plan of acquiring municipal water system be taken up again and that current reports regarding engineering features be secured. The attorney was instructed to report on actions and reports of former board.

LONG BEACH, Cal.—Council declares intention to pave 6th St. bet. Rose and Cherry Sts.; first alley east of American Ave., extending south of 10th St.; first alley east of American Ave. extending north of 20th St. and the first alley north of Twentieth St. extending west from Pasadena Ave. Council has adopted ordinances ordering paving of 10th St. bet. Cherry and Loma Aves. and the paving of Esther St. bet. Atlantic and California Aves.

VALLEJO, Solano Co., Cal.—City of Vallejo and County of Fairfield propose to pave Napa road bet. Fleming Ave. and Tennessee St., each to pay one-half of the cost. T. D. Kilkenny, Vallejo, city engineer.

NEWBERG, Ore.—Oregon Construction Co., Portland, at $24,578, bidding concrete pavement, submits low bid to City Trustees to pave streets.

TORRANCE, Cal.—Until 8:30 p.m., May 16, bids will be received by City Clerk Albert M. Bartlett for street work as follows:

Arlington St. bet. south boundary and Plaza del Amo, 5-in. Willite 20-ft. wide; payment half cash from bond issue, balance bonds under 1915 Act. Quantities: 5000 cu. yds. excavating, 4300 lin. ft. cement curb, 212,300 sq. ft. paving, 5900 sq. ft. shoulders to oil.

Carson St. bet. city boundary eastward, paving with 4-in Willite 10 ft. wide; half to be paid in cash from bond issue, balance with 1915 Act bonds. Quantities: 7700 cu. yds. excavating, 123,700 sq. ft. paving, 81,600 sq. ft. oiled and gravelled shoulders, 12,376 lin. ft. r. w. header strips.

Carson St. bet. Marcelina Ave. and Prado St.; scarfying, oiling and screening present macadam surface. Quantities: estimated 200,000 sq. yds.

Plans and specifications on file at City Hall, and may be seen at the office of The Postle Co., engineers, 633 Van Nuys Bldg., Los Angeles, Cal.

LOS ANGELES, Cal.—County surveyor preparing estimates for road work as follows: Streets near town of Bell, R. D. I. No. 215, sidewalks in various streets betw. Santa Monica Blvd. and Fountain Ave.; Cauldwell Ave. R. D. I. No. 219, Romeo St. and other streets in Road District No. 4 (R. D. I. No. 220).

WASHINGTON, D. C.—Bureau of Yards and Docks, Navy Department, will shortly call for bids under Specification No. 4566 to construct water system extensions at the Naval Operating Base (Ammunition Depot, Kuahua), Pearl Harbor, T. H. **See official proposal section for further particulars.**

PETALUMA, Sonoma Co., Cal.—City Council, Lyman Green, clerk, declares intention to improve Edith St., bet. Washington and Madison, and Madison and Vallejo St., and Vallejo from Madison to point 300 ft. west, by grading, constructing concrete curbs and gutters and macadamizing with broken rock and oil. Improvement Act 1911, and Bond Act 1915. N. S. Frost, city engineer.

REDONDO BEACH, Cal.—E. L. Garretson & Son, 7083 Hawthorne Ave., Los Angeles, submitted low bid and will be awarded contract by city trustees, at $76,602.37 for constructing pavement, concrete walks, etc., on portions of the Strand, involving (a) 6-in. concrete paving at 31c ft.; (b) 42,458 sq. ft. 5-in. concrete paving at 24c ft.; (c) 14,155 sq. ft. 4-in. walk at 23c ft.; (d) 3591 ft. class A curb at 60c ft.; (e) 1684 lin. ft. 4-in. reinforced concrete walk with combined curb on each side of walk at $7 lin. ft.; (f) 2½-in. reinforced concrete walk on wooden forms supported to 3 pile bents with 20-ft. centers at $13 ft.; (g) 29 20-in. lighting standards at lump sum of $275; (h) 2 storm drains, $700 each; (i) 5 concrete steps, $150 each; (j) headers at 30c ft. Engineer's estimate, $89,375. Other bids were: Napier & Simpson, $81,931.95; Charles E. Greene, $88,251.72; P. Ehlers, $92,910.56; Fred Hoffman, $101,259.48. Victor Stabeli, city engineer.

GLENDALE, Cal.—Peter L. Ferry, 614 E. Acacia, Glendale, was awarded contracts by City Council at $3600 for laying 1100 ft. 4-in. and 600 ft. 6-in. C. I. pipe in San Fernando Road, at $2375 for laying 1200 ft. Matheson pipe in 10th St.; and at $15,210 for 5000 ft. 8-in., 300 ft. 6-in. and 250 ft. 4-in. C. I. pipe in Brand Blvd. and Cerritos Ave.

ALHAMBRA, Cal.—Until 5 p.m. May 15, bids will be received by city clerk for double strength vit. pipe in units of 100 ft., and fittings delivered alongside trench in Kewen Drive and Encino Drive, Oak Knoll district of Pasadena and San Marino, for immediate delivery, as follows:

375 ft. of 10-in. dia.; 535 ft. of 12-in dia.; 725 ft. of 16-in. dia.; 1140 ft. of 18-in. dia. double strength vit. Bell and Spigot clay pipe, and various Y's and bends and plugs. Certified check, 25 per cent. Grant M. Lorraine, city manager.

SAN FRANCISCO.—A. J. Raisch, 46 Kearny St., at $5847 awarded contract by Board of Public Works to improve Edna St., bet. Marston and Havelock, involving 295 cu. yds. cut; 580 lin. ft. concrete curbs; 3348 square ft. art. stone walks; 5700 sq. ft. asph. concrete pavement, 2812 square ft. concrete pavement; 4 br. catchbasins; 80 lin. ft. 10-in. culverts; 160 lin. ft. 12-in. sewer with 30 15-in. wye branches; 1 br. manhole.

Raisch at $5,293 awarded contract to improve Marstone avenue, between Edna and Balboa Park, involving 646 cu. yards cut; 740 lin. ft. concrete curbs; 4494 sq. ft. art. stone walks and 9382 sq. ft. asph. concrete pavement.

State Imp. Co., 112 Lyon street, at $4,386 awarded contract to improve Judah street, between 48th avenue, and La Playa involving 404 cu. yards cut; 180 lin. ft. concrete curbs; 2400 sq. ft. art. stone walks and 12,000 sq. ft. asph. concrete pavement.

E. J. Treacy, Call Building, at $8,198 awarded contract to improve 25th avenue, between Irving and Judah, involving 900 cu. yds. cut; 1200 lin. ft. concrete curbs, 1050 sq. ft. art. stone walks and 24000 sq. ft. asph. concrete pavement.

OAKDALE, Stanislaus Co., Cal.—A. Teichart & Son, Ochsner Bldg., Sacramento, at approximately $33,000 awarded contract by city trustees to pave various streets with 3½-in. bit. base and 1½-in. Warrenite surface. Involves approximately 112,560 sq. ft. paving and 5,600 sq. ft. grading and rolling, concrete curbs, gutters and sidewalks. Geo. Macomber, city engineer.

SAN FRANCISCO.—Board of Public Works requests supervisors to authorize improvement of unfinished portion of Montezuma St., bet. Coso Ave. and Shotwell St.

FRESNO, Fresno Co., Cal.—City Engineer Wm. Stranahan completes specifications to improve Home Ave., bet. Lucerne Lane to Van Ness Blvd., involving 66,920 sq. ft. grading; 51,810 ss. ft. 3½-in. base with 1½-in. top pavement; 5576 sq. ft. gutter 3057 ft. curb; 11,488 sq. ft. walks; 193 ft. 12-in. corrugated culvert; 3 manhols.

OAKLAND, Cal.—Hutchinson Co., Hutchinson Building, awarded contract by Council to improve portions of 76th avenue, grading, $.04 sq. ft.; concrete curb, $.75 lin. ft.; concrete gutter, $.25 sq. ft.; cement walks, $.18 sq. ft.; oil macadam pave, $.14 sq. ft. W. W. Harmon, city engineer.

SAN FRANCISCO—Until May 17 bids will be received by Board of Public Works to improve Elsie street, between Eugenia and Esmeralda, involving 4950 cubic yards cut 966 cubic yards fill. M. M. O'Shaughnessy, City engineer.

FRESNO, Fresno Co., Cal.—Until May 18, 3:30 P. M., bids will be received by R. Y. St. George, city clerk, to improve Montecito avenue between Hazelwood and Fourth street, involving 86,524 sq. ft. grading; 81,190 sq. ft. 2½ in. black base with 1½-in. Warrenite top pavement; 2,115 lin. ft. curb; 5120 sq. ft. gutter; 7220 sq. ft. walks; 320 lin. ft. 12-in. and 304 lin. ft. 18-in. corrugated culverts. Wm. Stranahan, city engineer.

SAN JOSE, Santa Clara Co., Cal.—A. J. Raisch awarded contract by council to improve crossing of 16th and San Fernando streets, grading, 3-in. asph. concrete base pavement, $.24 sq. ft.; concrete curb, $.70 sq. ft.; concrete gutter, $.24 sq. ft.; catch basins, $80 each; 8-in. vit. pipe drains, $1.25 linft. Wm. Popp, city engineer.

WOODLAND, Yolo Co., Cal.—City Trustees, J. H. Laugenour, clerk, declare intention to improve Main st., between East street, and east city limits by grading, paving with 3½-in. asph. concrete base with 1½-in. asph. concrete surface. Imp. Act 1911 and Bond Act 1915. Protests May 22.

Int. declared to improve Laurel st., between College and 2nd streets, by grading, paving with 3-in. asph. concrete base and 2-in. asph. concrete surface. Imp. Act 1911 and Bond Act 1915. Protests May 22. Asa Proctor, city engineer.

NAPA, Napa Co., Cal.—City Council, H. H. Thompson, clerk, declares intention to improve Pine street, between Jefferson and Walnut by grading, construction concrete curbs and paving with 2-course macadam, 40-ft. wide; 2 concr. catch basins and resurfacing 100 ft. of curb already constructed. Imp Act 1911. Protests May 29. H. A. Harrold, city engineer.

OAKLAND, Cal.—Until May 18, 12 M., bids will be received by City Council, Eugene K. Sturgis, clerk, to improve 49th avenue, between E - 14th and E - 12th by grading, concrete curbs, gutters and sidewalks, paving with oil macadam, concrete culverts, etc. Imp. Act. 1911.

Separate bids, same date, to improve Telegraph avenue, from north city limits to 52nd street, by grading, construction concrete curbs and gutters, paving with asph. concrete, extending c. I. and concrete branch culverts, etc. Imp Act 1911 (R. R. will pay $130,000 of cost.) W. W. Harmon, city engineer.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

$1,000 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
1835	Lutley	Bergfeld	7000
1837	Dalhez	Owner	1000
1838	Simon	Hoyt	3000
1840	Alioto	Binet	7900
1841	S. P. Co.	McHugh	——
1842	McCarthy	Arnott	2500
1843	Harkins	Depew	2700
1844	Bergish	Binet	9250
1845	Farry	Hardy	10900
1846	Beetham	Owner	6000
1847	Mustard	Peck	2500
1848	Connolly	Barrett	12683
1849	Same	Pinkerton	7496
1850	Same	Barrett	33686
1851	Same	Snook	1889
1852	Same	Butte	2898
1853	Lurmann	Inlaid	1980
1854	Lindeman	Lindeman	4000
1855	Tollini	Sartorio	12000
1856	Reily	Reeder	1200
1857	Sichel	Nelson	7500
1858	Connolly	Barrett	12683
1859	Nelson	Owner	12000
1862	Anderson	Owner	14000
1863	Standberg	Harder	5100
1864	Roberts	Jensen	4000
1865	Lacey	Owner	12500
1866	Verner	Owner	12000
1867	Brown	Cummings	1000
1869	Reilly	Owner	7000
1870	Prior, etc.	MacDonald	140000
1872	Hersh	Petersen	2000
1873	Irvine	Owner	2900
1874	Tiscornia	Owner	6000
1877	Gursky	Owner	5000
1879	Boyyer	Howard	1500
1880	Barrett	Owner	5000
1881	Janssen	Owner	7000
1882	Janssen	Owner	7000
1883	Janssen	Owner	3500
1884	United Cigars	Martin	2000
1885	Uhl	Owner	20000
1886	Schulken	Berge	8000
1887	Carter	Urban	4000
1888	Anderson	Owner	5000
1889	Kulpiec	Owner	2000
1890	Farry	Hardy	10900
1891	Morlini	Harder	4000
1892	Strandberg	Harder	5100
1893	Anderson	Meyer	3000
1894	Briascov	Montani	9820
1895	Uhl	——	3000
1896	Backman	Owner	2000
1897	Meyer	Donsett	1900
1900	James	Owner	22000
1901	Sommer	McGruer	5000
1902	Stallman	Stiefel	5450
1903	Cincera	Caranzi	1000
1904	Sandy	Owner	40000
1905	Monson	Monson	25000
1906	Visitacion	Owner	16000
1907	Shaughnessy	McCormick	5250
1908	Sachau	Ernest	2160
1909	Moneta	Arnott	49000
1910	Fazzi	Sharman	3200
1911	Perkins	Johnson	74698
1912	Same	Forbes	9000
1913	Phileta	Reider	1200
1914	Excelsior	Hillard	3622
1915	Harrison	Kronnick	3135
1916	Risso	Owner	2505
1917	Steinberg	Kragen	1000
1919	Eiskins	Warden	12000
1920	Ponzini	Martinelli	22000
1921	Frederick	Lewis	20000
1922	Shelby	Owner	9000
1923	Lewis	Schwarz	3000
1924	Mori	Warden	5000
1925	G G Ferry	Ppargo	7000
1926	Johns	Owner	25000
1927	Lawrence	MacMillan	1500
1928	Fernald	Atlas	12000
1929	Briasco	Montani	9280
1930	Hind	Hind	3000
1931	Same	Same	3000
1932	Same	Same	3000
1933	Same	Same	3000
1934	Roesler	Wilson	11650
1936	Morris	Owner	6000
1937	Horgan	Owner	2900
1938	Gursky	Owner	5000
1939	McCracken	Owner	4000
1940	Anglo Cal	Thulin	1000
1941	Archbishop	McLaughlin	15000
1942	Hemmen	Owner	3900
1943	Scheelim	Britt	8000
1944	Morris	Owner	5000
1947	Raymond	Hammerton	5800
1950	Scarpulla	Owner	3000
1951	Chamberlain	Owner	5000
1953	Frederick	Lewis	13551
1954	Samers	Jensen	72000
1955	Mori	Warden	5450
1956	General	Warden	4000
1957	Devlin	Meyer	4890
1958	S. P.	Unit	4850
1959	Sosnick	Reeder	2300

FRAME FLATS
(1835) W COLE 55 N Hayes. Two-story and basement frame (2) flats
Owner — Edward Lutley and wife, 364 Cliper St., San Francisco.
Architect—None.
Contractor—H. H. Bergfeld, 1491 Guerrero St., San Francisco. $7000

ALTERATIONS
(1837) NO. 1276 MARKET. Change front; new flooring in restaurant.
Owner—H. O. Dalhez, 2850 Clark St., Oakland.
Architect—None.
Day's work. $1000

ALTERATIONS
(1838) NO. 545 MARKET. New store front; plastering; install elevator, etc.
Owner—H. L. Simon, 512 Folsom St., San Francisco.
Architect—None.
Contractor—H. O. Hoyt, Monadnock Bldg., San Francisco. $3000

RESIDENCE
(1840) LOT 7 BLK 18, C. S. Allred's Sbdvn Blks 17 and 18 West End Map 1. All work for two-story and basement frame residence.
Owner—Guiseppe and Stefana Alioto, 575 Filbert St., San Francisco.
Plans by Contractor.
Contractor—John J. Binet, 336 Church St., San Francisco.
Filed Apr. 28, '22. Dated Apr. 7, '22.
Frame up $1975
Brown coated 1975
Completed 1975
Usual 35 days..... 1975
TOTAL COST, $7900
Bond, none. Limit, 90 days after April 14. Forfeit, none. Plans and specifications filed.

PAVEMENT
(1841) LOCATION NOT GIVEN. All work for 8700 sq. ft. asphalt concrete pavement, 1½-in. thick on 6-in. concrete at 27c per sq. ft. and 2700 sq. ft. asphaltic concrete pavement 5-in. thick at 23c per sq. ft.
Owner—Southern Pacific Co., 65 Market St., San Francisco.
Architect—None.
Contractor—Peter McHugh, 3908 Clay St., San Francisco.
Filed Apr. 28, '22. Dated Apr. 11, '22.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $——
Bond, $2250. Surety, American Surety Co. of New York. Limit, 60 days. Forfeit, none. Specifications only filed.

BUNGALOW
(1842) E CAPITOL AVE 75 N Lakeview Ave N 25xE 100 Ptn. Lots 6 to 9 Blk 13, Lakeview. All work for one-story frame bungalow.
Owner—The McCarthy Co., 316 Bush St., San Francisco.
Plans by Contractor.
Contractor—James Arnott & Son, 4165 20th St., San Francisco.
Filed Apr. 28, '22. Dated Apr. 15, '22.
30 days after frame up..... 25%
30 days after brown coated.... 25%
30 days after completed and accepted 25%
30 days thereafter..... 25%
TOTAL COST, $2500
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME BLDG.
(1843) S PAUL AVE 50 E Exeter 50x50 All work for one-story and basement frame building.
Owner—Daniel P. Harkins, 80 Valpariso St., San Francisco.
Architect—None.
Contractor—William H. Depew, 3710 Sacramento St., San Francisco.
Filed Apr. 28, '22. Dated Apr. 4, '22.
1st floor joists in place.....$300
Rafters in 500
Ready for plastering..... 500
Plastering completed 700
Completed 700
TOTAL COST, $2700
Bond, none. Limit, as soon as possible. Forfeit, plans and specifications, none.

STORES & FLATS
(1844) SW GENEVA AVE & NAPLES Lot 18 Blk 11. All work for two-story frame stores and flats.
Owner—August Bergish, 336 Church St., San Francisco.
Architect—None.
Contractor—John J. Binet, 336 Church St., San Francisco.
Filed Apr. 28, '22. Dated Apr. 8, '22.
Frames up $2312.50
Brown coated 2312.50
Completed 2312.50
Usual 35 days..... 2312.50
TOTAL COST, $9250.00
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS
(1845) E CLAYTON 50 S Fulton. Two story and basement frame (2) flats.
Owner—Josephine Farry, 315 Scott St., San Francisco.
Architect—A. M. Hardy, 518 24th Ave., San Francisco.
Contractor—A. M. Hardy, 518 24th Ave., San Francisco. $10,900

ALTERATIONS
(1846) SE EIGHTEENTH AND LINDA. Alterations and additions for (3) flats.
Owner—A. H. Beetham, 3555 18th St., San Francisco.
Plans by Owner.
Day's work. $6000

DWELLING
(1847) E NAPLES 175 N Geneva. One-story and basement frame dwelling.
Owner—Wm. Mustard, 412 Capp St., San Francisco

Architect — C. H. Peck, 352 Richland Ave., San Francisco.
Contractor—C. H. Peck, 352 Richland Ave., San Francisco. $2500

OFFICE BLDG.
(1848) SE SUTTER AND TAYLOR E 45-10xS 81-8. Metal lumber joists, metal bridging, klips, rods, metal lath for all floors, suspended ceiling rods, etc., for six-story and basement office building.
Owner—J. S. Morgan & Sons (a corp.), 425 Kearny St., San Francisco.
Architect—M. V. Politeo, First National Bank Bldg., San Francisco.
Contractor—General Fireproofing Co., 20 Beale St., San Francisco.
Filed Apr. 29, '22. Dated Apr. 20, '22.
On 1st and 15th of each month 75%
Usual 45 days..... 25%
TOTAL COST, $7750
Bond, $3875. Surety, Aetna Casualty & Surety Co. Limit, delivered before July 15, 1922. Forfeit, $20. Plans and specifications filed.

(1849) PLUMBING, GAS FITTING & sewerage, compressed air and vacuum pipes, roof and hot water tanks, stand pipes, hose reels, etc., on above.
Contractor—James H. Pinkerton, 2266 Fulton St., San Francisco.
Filed Apr. 29, '22. Dated Apr. 20, '22.
Payments same as above.....
TOTAL COST, $7496
Bond, $3748. Surety, National Surety Co. Limit, 60 days. Forfeit, $20. Plans and specifications filed.

(1850) EXCAVATING, BULKHEADing, plain and reinforced concrete work, etc., carpenter work, lumber, mill work, roofing, glazing, hardware, sheet metal, etc., on above.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Filed Apr. 29, '22. Dated Apr. 20, '22.
Payments same as above.....
TOTAL COST, $33,686
Bond, $16,843. Surety, Fidelity & Deposit Co. of Maryland. Limit, 160 days. Forfeit, $20. Plans and specifications filed.

(1851) STEAM HEATING, RADIATORS piping, pipe covering, hot water storage tank, etc., on above.
Contractor — Frederick W. Snook Co., 596 Clay St., San Francisco.
Filed Apr. 29, '22. Dated Apr. 20, '22.
Payments same as above.....
TOTAL COST, $1880
Bond, $941.50. Surety, Fidelity & Deposit Co. of Maryland. Limit, 50 days. Forfeit, $20. Plans and specifications filed.

(1852) WIRING, SWITCHES, RECEPTACLES, CONDUITS, METER BOARDS etc., for electric lighting, power and telephones on above.
Contractor—Cutt Elec. Equipment Co., 539 Folsom St., San Francisco.
Filed Apr. 29, '22. Dated Apr. 20, '22.
Payments same as above.....
TOTAL COST, $2898
Bond, $1449. Surety, New Amsterdam Casualty Co. Limit, 60 days. Forfeit, $20. Plans and specifications filed.

APARTMENTS
(1853) S UNION 81-6 W Leavenworth W 68xS 112-6. Hardwood flooring for two three-story and basement frame apartment houses each containing 6 1-room apts.
Owner—M. G. Lurmann.
Architect—Albert Schroeder, Nevada Bank Bldg., San Francisco.
Contractor—Inland Hardwood Co., 1853 Geary St., San Francisco.
Filed Apr. 29, '22. Dated Apr. 3, '22.
On Saturday of each week 75
Usual 45 days 25
TOTAL COST, $1950
Bond, none. Limit, 12 days. Forfeit, none. Plans and specifications none.

BUNGALOW
(1854) W TWENTY-FOURTH AVE 209-8 S Anza S 25xW 120. All work for one-story bungalow.
Owner—H. O. Lindeman, 232 Anza St., San Francisco.
Architect—None.
Contractor—W. R. Lindeman, 530 Balboa St., San Francisco.
Filed Apr. 29, '22. Dated Apr. 22, '22.
Frame up and enclosed.....$1000
Rough plastered 1000
Completed 1000
Usual 35 days 1000
TOTAL COST, $4000
Bond, none. Limit, 90 days. Forfeit, $3. Plans and specifications filed.

FRAME BLDG.
(1855) S VALLEJO 165 W Leavenworth. All work except light fixtures, shades and heating radiators for two-story and basement frame building.
Owner—A. Tollini, 425 Kearny St., San Francisco.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.
Contractor—P. Sartorio.
Filed Apr. 29, '22. Dated Apr. 27, '22.
Roof on $3000
Brown coated 3000
Completed and accepted..... 3000
Usual 35 days..... 3000
TOTAL COST, $12,000
Bond, $6000. Sureties, Carlo Bruschera and Luigi Sartorio. Limit, 75 days. Forfeit, none. Plans and specifications filed.

GRADING
(1856) NW FAIR OAKS & TWENTY-sixth. All work for grading.
Owner—Mary C. and Phileta E. Reily.
Architect—Lewis M. Gardner, Balboa Bldg., San Francisco.
Contractor—A. J. Reeder, 180 Jessie St., San Francisco.
Filed Apr. 29, '22. Dated Apr. 26, '22.
Completed $900
Usual 35 days..... 300
TOTAL COST, $1200
Bond, none. Limit, 6 days. Forfeit, $1.60. Plans and specifications, none.

RESIDENCE
(1857) S BALBOA 95 W Tenth Ave. 25 x100. All work for two-story and basement frame residence.
Owner—Herbert H. Sichel, 11 Euclid Ave., San Francisco.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Contractor—Emil Nelson, 1835 Geary St., San Francisco.
Filed Apr. 29, '22. Dated Apr. 25, '22.
Frame up $1875
Brown coated 1875
Completed and accepted 1875
Usual 35 days 1875
TOTAL COST, $7500
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

STORE BLDG.
(1858) NE CLEMENT AND TWENTY-third Ave N 50xE 82-6. All work for one-story reinforced concrete store building.
Owner—E. S. Connolly, 15 Commonwealth Ave., San Francisco.
Architect—John J. Foley, 770 5th Ave., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Filed Apr. 29, '22. Dated Apr. 28, '22.
Frame completed ..... $ 000.00
Plastering completed 2000.00
Completed and accepted 2512.25
Usual 55 days 3170.75
TOTAL COST, $12,683.00
Bond, $6341. Sureties, Albert Lackman and L. T. Carey. Limit, 90 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
(1859) NE CALIFORNIA & SECOND Ave. Two-story and basement frame (4) apartments.
Owner—N. J. Nelson, 245 19th Ave., San Francisco.
Architect—None.
Day's work. $12,000

DWELLINGS
(1862) W EDINBURGH 25, 50, 75, 100, 125, 150 and 175 S Avalon. Seven 1-story and basement frame dwellings.
Owner—K. Anderson and T. Johnson, 133 Bertita St., San Francisco.
Architect—None.
Day's work. $2000 each

DWELLING
(1863) W FRANKLIN 27½ N Francisco. One and one-half story and basement frame dwelling.
Owner—Paul Standberg, 505 Buchanan St., San Francisco.
Architect—None.
Contractor—John Harder, 870 39th Ave., San Francisco. $5100

ALTERATIONS
(1864) N FILBERT 162-6 W Webster. Raise 4 flats; construct lightwell; add bath room in second floor.
Owner—E. E. Roberts, Moton and Santa Clara St., Alameda.
Architect—L. Flagg Hyde, Oakland.
Contractor—Jensen & Pedersen, 3411 Adeline St., Oakland. $4000

BUILDING
(1865) S HOWARD 90 E 7th. Two-story and basement concrete loft building.
Owner—E. V. Lacey, 180 Jessie St., San Francisco.
Architect—None.
Day's work. $12,500

FLATS
(1866) NW FULTON AND SECOND Ave. Two-story and basement frame (4) flats.
Owner—J. H. Verner, 1921 23rd St., San Francisco.
Architect—None.
Day's work. $12,000

ALTERATIONS
(1867) NW FOURTH AVE. & CALIfornia St. Construct dormer windows and window seats in flats.
Owner—Alice B. Brown, 4202 California St., San Francisco.
Architect—None.
Contractor—F. C. Cummings, 168 4th Ave., San Francisco. $1000

RESIDENCE
(1869) S JUDAH 32-6 W Funston Ave. Two-story and basement frame residence.
Owner—John Reilly, 1387 Funston Ave., San Francisco.
Architect—None.
Day's work $7000

HOTEL
(1870) SW MASON AND EDDY. Complete 6-story class C hotel building.
Owners—Mary Prior, Josephine Metzner, Margaret Delger, Lester Prior and Matilda Andrews, care Builders.
Architect—MacDonald & Couchot, 234 Pine St., San Francisco.
Segregated contracts. $140,000

ALTERATIONS
(1872) NO. 832 MARKET. New show windows, lower ceiling, remove partition (millinery store).
Owner—B. Herah, 826 Market St., San Francisco.
Architect—None.
Contractor—Antone Petersen, 2770 San Bruno Ave., San Francisco. $2000

STORE
(1873) N OCEAN AVE. 117-05 E Granada. One-story frame store (meat and fruit market.
Owner—J. C. Irvine, 1027 Market St., San Francisco.
Architect—R. R. Irvine, 507 Call Bldg., San Francisco.
Day's work. $2900

RESIDENCES
(1874) N OCEAN AVE. 274 and 307 E Ostego. Two 1-story and basement frame residences.
Owner—Domonic Tiscornia, 75 Meda Ave., San Francisco.
Architect—None.
Day's work. $3000 each

ALTERATIONS
(1877) W SCOTT 27-6 N O'Farrell. Raise and underpin flats; remodel interior; plumbing, etc.
Owner—N. Gursky and M. Katzman and S. Herzberg, 1360 Webster St., S. F.
Architect—W. H. Armitage, 400 New Call Bldg., San Francisco.
Day's work. $5000

ADDITION
(1879) E TWENTY-SEVENTH AVE. 200 N Lake. One-story and basement frame addition to residence.
Owner—E. C. Bovyer, 162 27th Ave., San Francisco.
Architect—None.
Contractor—Joseph Howard, 2769 McAllister St., San Francisco. $1500

FLATS
(1880) W TWENTY-FIFTH AVE. 50 N Anza Two-story and basement frame (2) flats.
Owner—J. J. Barrett, 430 20th Ave., San Francisco.
Architect—None.
Day's work. $5000

DWELLINGS
(1881) S CABRILLO 82-6 and 107-6 W 19th Ave. Two 1-tsory and basement frame dwellings.
Owner—E. A. Janssen, 402 Hearst Bldg San Francisco.
Architect—None.
Day's work. $3500 each

DWELLINGS
(1882) E FIRST AVE. 75 and 100 S Eddy. Two 1-story and basement frame dwellings.
Owner—E. A. Janssen, 402 Hearst Bldg San Francisco.
Architect—None.
Day's work. $3500 each

DWELLING
(1883) E TWENTY-SIXTH AVE. 285 N Balboa. One-story and basement frame dwelling.
Owner—E. A. Janssen, 402 Hearst Bldg San Francisco.
Architect—None.
Day's work. $3500

ALTERATIONS
(1884) GORE GOLDEN GATE AVE. & Market. Rearrange floorspace for 5 stores; new plate glass fronts.
Owner—United Cigar Stores Co., 555 Howard St., San Francisco.
Architect—Earl B. Bertz, 168 Sutter St., San Francisco.
Contractor—Wm. Martin, 180 Jessie St., San Francisco. $2000

ALTERATIONS
(1885) SE GEARY AND POWELL. General alterations and repairs to connect up two buildings for stores and offices.
Owner—A. Uhl, 38 O'Farrel St., San Francisco.
Engineer—T. Ronneberg, Crocker Bldg San Francisco.
Day's work. $20,000

DWELLING
(1886) E SAN RAFAEL WAY 150 S Monterey Blvd. One-story and basement frame dwelling.
Owner—Mrs. H. A. Schulken, 650 2nd Ave., San Francisco.
Architect—Harold G. Stoner, First National Bank Bldg., San Francisco.
Contractor—Julius Berge, 1234 30th Ave., San Francisco. $8000

DWELLING
(1887) W THIRTY-FOURTH AVE. 250 S Geary. One-story and basement frame dwelling.
Owner—Frank E. Carter, 161 8th Ave., San Francisco.
Architect—None.
Contractor—G. W. Urban, 23 Beulah St, San Francisco. $4000

RESIDENCE
(1888) W TWENTY-SECOND AVE 125 S Lincoln Way. Two-story and basement frame residence.
Owner—Anderson Bros., 1264 Noe St., San Francisco.
Architect—None
Day's work. $5000

DWELLING
(1889) N TRUMBULL 200 E Congdon. One-story and basement frame dwelling.
Owner—J. Kupiec, 559 Valencia St., San Francisco.
Architect—J. C. Hladik, Monadnock Bldg., San Francisco.
Day's work. $2000

FLATS
(1890) E CLAYTON 50 S Fulton S 25x E 108-3. All work for two-story frame building (flats).
Owner—Elizabeth Farry, 318 Scott St., San Francisco.
Architect—A. M. Hardy, 518 24th Ave., San Francisco.
Contractor—Arthur M. Hardy, 518 24th Ave., San Francisco.
Filed May 1, '22. Dated May 1, '22.
Frame up $2725
Brown coated 2725
Completed and accepted..... 2725
Usual 35 days..... 2725
TOTAL COST, $10,900
Bond, $8175. Surety, Fidelity & Deposit Co. of Maryland. Limit, 110 days. Forfeit, none. Plans and specifications filed.

FRAME BLDG.
(1891) E FRANKLIN 37-6 N Francisco N 25xE 124. All work except light fixtures, shades and finish hardware for one-story and basement frame building.
Owner—Tomaso Morlini.
Architect—Paul F. De Martini, 2123 Powell St., San Francisco.
Contractor—John Harder, 870 39th Ave., San Francisco.
Filed May 1, '22. Dated Apr. 25, '22.
Frame up $1000
Brown coated 1000
Completed and accepted..... 1000
Usual 35 days..... 1000
TOTAL COST, $4000
Bond, none. Limit, 90 days after May 1. Forfeit, none. Plans and specifications filed.

RESIDENCE
(1892) W FRANKLIN 27-6 W Francisco W 100xN 27-6. All work for one-story frame residence.
Owner—Paul and Catherine A. Strandberg, 556 Buchanan St., S. F.
Architect—None.
Contractor—John Harder, 870 39th Ave., San Francisco.
Filed May 1, '22. Dated Apr. —, '22.
Frame up $1275
1st coat plaster on..... 1275
Completed and accepted..... 1275
Usual 35 days..... 1275
TOTAL COST, $5100
Bond, none. Limit, Aug. 1, 1922. Forfeit, none. Plans and specifications filed.

DWELLING
(1893) N BALBOA 75 E 28th Ave. One-story and basement frame dwelling.
Owner—J. Anderson, 423 16th Ave., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $3000

FRAME FLATS
(1894) S FILBERT 135 W Van Ness Ave. Two-story and basement frame (2) flats.
Owner—A. Briascer, Premises.
Architect—L. Traverso, 854 Union St. San Francisco.
Contractor — S. Montani, 1753 Greenwich St., San Francisco. $9820

ALTERATIONS
(1895) SE GEARY AND POWELL. Reovt concrete and replace with cast iron columns, etc., for stores
Owner—Adolph Uhl, 38 O'Farrell St., San Francisco.
Engineer — T. Ronneberg, Crocker Bldg., San Francisco.
Not Determined. $3000

DWELLING
(1896) W GENESSEE 100 N Flood. One-story and basement frame dwelling.
Owner—Backman Bros., 537 Chenery St., San Francisco.
Architect—None.
Day's work. $2000

ALTERATIONS
(1897) NO. 2650 GREEN. Retrim dining, breakfast rooms and hall in residence.
Owner—Mrs. Herman Meyer, Premises.
Architect—J. Elsbach and Sidney Newsom, Nevada Bank Bldg., S. F.
Contractor — Donsett-Ruhl Co., 77 O'Farrell St., S. F. $1900

APARTMENTS
(1900) E MISSION 235 S Twenty-fifth Three-story frame store and (8) apartments.
Owner—Dr. Thos. I. James, % Architect
Architect—F. S. Holland, 1629 Folsom St., San Francisco.
Day's work. $22,000

ALTERATIONS
(1901) NO. 832 MARKET. General changes on store fronts.
Owner—Sommer & Kaulfman, Prem.
Architect—H. P. Vollmer, Flood Bldg., San Francisco.
Contractor—MacGruer & Simpson, 260 Tehama St., San Francisco. $5000

DWELLING
(1902) E TWENTY-SEVENTH AVE 267 N Cabrillo. One-story and basement frame dwelling
Owner—Ralph Stallman.
Architect—H. Barth.
Contractor—John V. Stiefel, 184 23rd Ave., San Francisco. $5450

GARAGE
(1903) NO. 1759 UNION. Construct private garage
Owner—Domenice Cincera, Premises
Architect—None.
Contractor—Geo. Caranzi, 420 17th Av., San Francisco $1000

APARTMENTS
(1904) SW DOLORES & TWENTIETH Three-story and basement frame (24) apartments.
Owner—Geo H. Sandy, 2474 Mission St., San Francisco.
Architect—A. J. Horstmann, 503-504 Anglo Bldg., San Francisco
Day's work $40,000

APARTMENTS
(1905) W LEAVENWORTH 25 N O'Farrell. Four-story and basement concrete (16) apartments.
Owner—O. Monson.
Architect—D. C. Coleman, 110 Sutter St., San Francisco
Contractor—Monson Bros., 251 Kearny St., San Francisco. $25,000

COMMUNITY BLDG.
(1906) N RAYMOND AVE 175 E Alpha One-story frame Community Center building.
Owner—Visitacion Valley Community Center, 101 Raymond Ave., S. F.
Architect—Dorothy Wermser, % Julia Morgan, Merchants' Exchange Bldg., San Francisco.
Day's work. $16,000

RESIDENCE
(1907) W THIRTY-EIGHTH AVE 150 N Fulton. One-stoy and basement frame residence.
Owner—Thos. J. Shaughnessy, 178 Henry St., San Francisco.
Architect—None.
Contractor—Thos. McCormick, 37 Hill St., San Francisco. $5250

ALTERATIONS
(1908) W STEINER 82-6 N Oak 55x 137-6. Plumbing and gas fitting for alterations to building.
Owner—Ella Sachau, Premises.
Architect — J. C. Hladik, Monadnock Bldg., San Francisco.
Contractor—Henry Ernest & Sons, 635 Hayes St., San Francisco.
Filed May 2, '22. Dated Apr. 27, '22.
Roughed $1000
Completed and accepted..... 621
Usual 35 days..... 540
TOTAL COST, $2160
Bond, none. Limit, 60 days. Forfeit, $25. Plans and specifications, none.

RESIDENCES
(1909) S FLOOD 25 W Foerster W 415 S 25 W 19 S 87-6 N 125. All work for 11 one-story and basement frame residences.
Owner — Moncta Investment Co., 233 Pacific Bldg., San Francisco.
Architect—None.
Contractor—James Arnott & Son, 235 Granville Way, San Francisco.
Filed May 2, '22. Dated Apr. 21, '22.
Frame work completed.....$12,250
Brown coated 12,250
Completed and accepted..... 12,250
Usual 35 days..... 12,250
TOTAL COST, $49,000
Bond, none. Limit, 150 days. Forfeit, none. Plans and specifications filed.

COTTAGE
(1910) W SEVENTH AVE 225 N Kirkham 25xW 120. All work for one-story and basement cottage.
Owner—Leo S. Fazzi, 1138 Sanyan St., San Francisco.
Architect—None.
Contractor—T. L. Sharman, 1446 Shafter St., San Francisco.
Filed May 2, '22. Dated Mar. 22, '22.
Completely framed $800
Brown coated 800
Finished 800
Usual 35 days 800
TOTAL COST, $3200
Bond, none. Limit, 75 days. Forfeit, plans and specifications, none.

RESIDENCES
(1911) N JACKSON 65 E Scott N 25 4½xW 65. Brick work, roofing, patent flues, sheet metal carpentry, stair work and hardwood floors for seven two-story frame residences.
Owner—Perkins & Trowbridge.
Architect—Alfred H. Jacobs, 110 Sutter St., San Francisco.
Contractor—J. Harold Johnson, 189 Jessie St., San Francisco.
Filed May 2, '22. Dated Apr. 27, '22.
Buildings ready to lath..$18,674.50
Interior and exterior plaster on 18,674.50
Completed 18,674.50
Usual 35 days..... 18,674.50
TOTAL COST, $74,698.00
Bond, $74,698. Surety, Fidelity & Deposit Co. of Maryland. Limit, Nov. 4, 1922. Forfeit, none. Plans and specifications filed.

(1912) GRADING, CONCRETE WORK, etc., on above.
Contractor—R. J. H. Forbes, Monadnock Bldg., San Francisco.
Filed May 2, '22. Dated Apr. 26, '22.
Retaining walls and curbs in..$5000
Completed 1750
Usual 35 days..... 2250
TOTAL COST, $9000
Bond, $9000. Surety, Fidelity & Deposit Co. of Maryland. Limit, May 18, 1922. Forfeit, none. Plans and specifications filed.

GRADING
(1913) NW FAIR OAKS & TWENTY-sixth. All work for grading.
Owner—Mary C. and Phileta E. Reily.
Architect—Lewis M. Gardner, Balboa Bldg., San Francisco.
Contractor—A. J. Reider, 180 Jessie St., San Francisco.
Filed May 2, '22. Dated Apr. 26, '22.
On completion $900
Usual 35 days..... 300
TOTAL COST, $1200
Bond, none. Limit, 6 days. Forfeit plans and specifications, none.

IRON WORK, ETC.
(1914) SE MISSION 150 SW Brazil Ave SW 150 SE 183-6 NE 125 NW 100 NE 25 NW 83-6. Iron work and ornamental metal work for theatre building.
Owner—The Excelsior Amusement Co.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.
Contractor—C. J. Hillard Co., 19th and Minnesota Sts., San Francisco.
Filed May 2, '22. Dated Apr. 28, '22.
Completed and accepted.....$2716
Usual 35 days..... 906
TOTAL COST, $3622
Bond, none. Limit, as required. Forfeit, none. Plans and specifications filed.

GARAGE
(1915) NO. 960 CHESTNUT. Construct private garage.
Owner—H. O. Harrison, Premises.
Architect—J. R. Miller, Lick Bldg., San Francisco.
Contractor — Kronnick Bros., 1659 O'Farrell St., S. F. $3135

DWELLING
(1916) NE FLOOD AVE & DETROIT. One-story and basement frame dwelling.
Owner—John Risso, 76 Albion Ave., San Francisco.
Architect—None.
Day's work. $2500

ALTERATIONS
(1917) NO. 2659 MISSION. Change show windows.
Owner—M. Steinberg, Premises.
Architect—None.
Contractor—Louis Kragen, 661 Golden Gate Ave., San Francisco $1000

DWELLINGS
(1919) E TWENTY-NINTH AVE 75, 100 and 125 N Fulton. Three one-story and basement frame dwlgs.
Owner—Herbert Elkins, Humboldt Bk Bldg., San Francisco.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—Fred Warden, 240 Montgomery St., S. F. $4000 each

APARTMENTS
(1920) N UNION 150 W Taylor. Three story and basement frame (5) apartments.
Owner—A. Ponzini, 36 John St., S. F.
Architect—L. Traverso, 854 Union St., San Francisco.
Contractor—J. Martinelli, 1351 Mason St., San Francisco. $22,000

RESIDENCE
(1921) LOT 20 BLK 1356, Presidio Terrace 830 ft. W Arguello Blvd. Two-story and basement frame residence.
Owner—Max Frederick.
Architect—Samuel Lightner Hyman, 68 Post St., San Francisco.
Contractor—C. H. Lewis, 68 Post St., San Francisco. $20,000

STORE
(1922) W GRANT AVE 167-6 N Bush. One-story and basement Class C store.
Owner—Helen Shelby, 425 Kearny St., San Francisco.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.
Day's work. $9000

DWELLING
(1923) S CLEMENT 32-6 E Twenty-eighth Ave. One-story and basement frame dwelling.
Owner—J. Lewis, 306 Sacramento St., San Francisco.
Architect—C. Schwarz, 1440-A Hyde St., San Francisco.
Contractor — C. Schwarz, 1440A Hyde St., San Francisco. $3000

DWELLING
(1924) N CHESTNUT 157-3 W Van Ness Ave. One-story and basement frame dwelling.
Owner—J. Mori, % Architect.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—Fred Warden, 240 Montgomery St., San Francisco. $5000

OFFICE BLDG.
(1925) N JEFFERSON, foot of Hyde. Two-story frame office building.
Owner—Golden Gate Ferry Co., Hobart Bldg., San Francisco.
Architect—F. G. White, Ferry Bldg., San Francisco.
Contractor—John Spargo, 240 Montgomery St., San Francisco. $7000

APARTMENTS
(1926) N PACIFIC 137-5 E Buchanan Three-story and basement frame (6) apartments.
Owner—Mrs. Hugh Johns, 1800 Claus Spreckels Bldg., San Francisco.
Architect—Geo. A. Applegarth, Claus Spreckels Bldg., San Francisco.
Day's work. $25,000

ADDITION
(1927) NO. 910 STEINER. Addition of kitchen; electric work, plumbing; partitions, etc., for flats.
Owner—Mrs. M. H. Lawrence, Prem.
Architect—None.
Contractor—R. S. K. MacMillan, 151 Duncan St., San Francisco. $1500

BUILDING
(1928) SE NATOMA 175 NE Fourth NE 75 SE 90 SW 50 NW 10 SW 25 NW 80. All work for one-story and mezzanine floor building.
Owner—The Fernald Co., 221 Tenama St., San Francisco.
Architect—Edward E. Young, 251 Kearny St., San Francisco.
Contractor—The Atlas Concrete Co., 180 Jessie St., San Francisco.
Filed May 3, '22. Dated May 2, '22.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $12,000
Bond, $6000. Sureties, Stephen I. Guerin and C. H. Hopkins. Limit, 70 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1929) S FILBERT 135-4¼ W Van Ness Ave W 25 S 131-4 E 50-4¼ N 31-4 — 5-4¼ N 100. All work for two-story and basement frame dwelling.
Owner—A. Brasco, Premises

Architect—L. Traverso, 854 Union St., San Francisco.
Contractor—S. Montani, 1753 Greenwich St., San Francisco.
Filed May 3, '22. Dated May 1, '22.
Rough frame up.....$2455
Brown coated 2455
Completed and accepted..... 2455
Usual 35 days..... 2455
TOTAL COST, $9820
Bond, $4910. Sureties, A. Bircelli and A. Nave. Limit, 75 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1930) SW ROANOKE & CHENERY S 28-3xSE 50 Ptn Lot 13 Blk 2, Fairmont Tract. All work for frame dwelling.
Owner—Alfred E. Hind, % Architect.
Architect—W. G. Hind, 3885 Webster St., Oakland.
Contractor—Harry W. Hind, 1822 Hearst Ave., Oakland.
Filed May 3, '22. Dated Apr. 29, '22.
Rustic and roof boards on.....$750
Brown coated 750
Completed and accepted..... 750
Usual 35 days 750
TOTAL COST, $3000
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1931) SE CHENERY 84-9 SW Roanoke SW 28-3xSE 50 Ptn. Lot 13 Blk 2, Fairmont Tract. All work for frame dwelling.
Owner—Alfred E. Hind, % Architect.
Architect—W. G. Hind, 3885 Webster St., Oakland.
Contractor—Harry W. Hind, 1822 Hearst Ave., Oakland.
Filed May 3, '22. Dated Apr. 29, '22.
Rustic and roof boards on.....$750
Brown coated 750
Completed and accepted..... 750
Usual 35 days 750
TOTAL COST, $3000
Bond, none. Limit, 60 days. Forfeit none. Plans and specifications filed.

DWELLING
(1932) SE CHENERY 28-3 SW Roanoke SW 28-3xSE 50 Ptn Lot 13 Blk 2, Fairmont Tract. All work for frame dwelling.
Owner—Alfred E. Hind, % Architect.
Architect—W. G. Hind, 3885 Webster St., Oakland.
Contractor—Harry W. Hind, 1822 Hearst Ave., Oakland.
Filed May 3, '22. Dated Apr. 29, '22.
Rustic and roof boards on.....$750
Brown coated 750
Completed and accepted..... 750
Usual 35 days 750
TOTAL COST, $3000
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1933) SE CHENERY 56-6 SW Roanoke SW 28-3xSE 50 Ptn Lot 13 Blk 2, Fairmont Tract. All work for frame dwelling.
Owner—Alfred E. Hind, % Architect.
Architect—W. G. Hind, 3885 Webster St., Oakland.
Contractor—Harry W. Hind, 1822 Hearst Ave., Oakland.
Filed May 3, '22. Dated Apr. 29, '22.
Rustic and roof boards on.....$750
Brown coated 750
Completed and accepted..... 750
Usual 35 days 750
TOTAL COST, $3000
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(1934) LOT 1 BLK 2987, Claremont Court. All work except light fixtures, wall paper, furnace and water heater for two-story and basement residence.
Owner—Harry A. and Ellen A. Roesler, 64 Palm Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Oscar Wilson and Andrew J. Benson, 336 Ashton Ave., S. F.
Filed May 3, '22. Dated Apr. 27, '22.
Frame up, wall sheathing and roof sheathing on.....$2912.50
Brown coated 2912.50
Completed and accepted..... 2912.50
Usual 35 days..... 2912.50
TOTAL COST, $11,650.00
Bond, $5825. Sureties, Chas. Monson & Edwin T. Peterson. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1936) W ELEVENTH AVE 225 S Balboa. Two-story and basement frame dwelling.
Owner—A. T. Morris, 501 11th Ave., San Francisco.
Architect—None.
Day's work. $6000

DWELLING
(1937) W PATTON 200 N Highland One story and basement frame dwelling.
Owner—P. Horgan, 915 Pierce St., San Francisco.
Architect—None.
Day's work. $2900

ALTERATIONS
(1938) W SCOTT 27-6 N O'Farrell. Raise and make general alterations for six apartments.
Owner—N. Gursky, M. Katzman and S. Herzberg, 1360 Webster St., S. F.
Architect — W. H. Armitage, 72 New Montgomery St., San Francisco.
Day's work. $5000

DWELLING
(1939) W TWENTY-SEVENTH AVE 75 S Geary. One-story and basement frame dwelling.
Owner—H. W. McCracken, 30 Johnston Ave., San Francisco.
Architect—None.
Day's work. $4000

ALTERATIONS
(1940) SW TWENTIETH AND THIRD General changes for banking quarters.
Owner — Anglo California Trust Co., Market and Sansome Sts., S. F.
Architect — H. H. Winner Co., Cunard Bldg., San Francisco.
Contractor—A. L. Thulin Co., 180 Jessie St., San Francisco. $1000

SCHOOL
(1941) NW LANE & QUESADA AVE. Two-story and basement frame school.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—Louis Brouchoud, Chico, Calif.
Contractor— J. L. McLaughlin, 251 Kearny St., San Francisco. $15,000

DWELLINGS
(1942) W CAYUGA 100 and 150 N Onondaga. Two one-story and basement frame dwellings.
Owner—Albert A. Hemmen, 140 Ellis St., San Francisco.
Architect—None.
Day's work. $1950 each

ALTERATIONS
(1943) NO. 3553 CLAY. New front; minor additions; plumbing; plastering front, etc. of dwelling.
Owner—Mrs. H. Scheelim, Premises.
Architect—Samuel Lightner Hyman, 68 Post St., San Francisco.
Contractor—O. W. Britt 1257 1st Ave., San Francisco. $8000

DWELLING
(1944) W ELEVENTH AVE 125 N Cabrillo. One-story and basement frame dwelling.
Owner—A. T. Morris, 501 11th Ave., San Francisco.
Architect—None.
Day's work. $5000

DWELLING
(1947) N FREDERICK 25 E Cole One-story frame dwelling.
Owner—J. and J. Raymond, 2415 22nd St., San Francisco.
Architect—None.
Contractor—A. C. Harperton, 175 Dewey Blvd., San Francisco. $5800

ALTERATIONS
(1950) W POLK 30 S Bush. Composition flooring; new front, iron work for tomale parlor.
Owner—A. Scarpulla, % Architect.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Day's work. $3000

ALTERATIONS
(1951) SW POWELL AND SUTTER Construct new store fronts and clean down exterior front.
Owner — Chamberlain & Procter, 850 Mills Bldg., San Francisco.
Architect—F. Meyer, Bankers' Invst. Bldg., San Francisco.
Day's work. $5000

RESIDENCE
(1953) LOT 13, PRESIDIO TERRACE. Excavation, concrete, carpenter, glass, hardware, roofing, tile work for two-story residence and garage.
Owner—Max Frederick.
Architect—Samuel L. Hyman, Foxcroft Bldg., San Francisco.
Contractor—H. C. Lewis, Foxcroft Bld., San Francisco.
Filed May 4, '22. Dated May 3, '22.
Enclosed $3388.50
Brown coated 3388.50
Completed and accepted..... 3388.50
Usual 35 days..... 3388.50
TOTAL COST, $13,554.00
Bond, $6800. Sureties, C. E. and H. L. Reinhart. Limit, 120 days. Forfeit, none. Plans and specifications filed.

CLASS C BLDG.
(1954) N MISSION 350 E Ninth N 160x E 165. All work except roofing, sheet metal work, plumbing electric work, painting, sidewalk lights and elevators for two-story and basement Class C building.
Owner—George B. Somers, Lane Hospital, San Francisco.
Architect—Clarence A. Tantau, 251 Kearny St., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
Filed May 4, '22. Dated May 3, '22.
On or before 10th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $72,000
Bond, $36,000. Sureties, Jno. A. Grennan and Geo. W. Hooper. Limit, forfeit none. Plans and specifications filed.

RESIDENCE
(1955) N CHESTNUT 137-3 W Van Ness Ave W 27-6xN 137-6. All work for one-story and basement frame residence.
Owner—Joe Mori.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—Fred Warden, 240 Montgomery St., San Francisco.
Filed May 4, '22. Dated May 2, '22.
Framed $1362.50
Brown coated 1362.50
Completed and accepted..... 1362.50
Usual 35 days..... 1362.50
TOTAL COST, $5450.00
Bond, $2725. Sureties, Chas Monson and Albin Warden. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME BLDG.
(1956) LOCATION NOT GIVEN. All work for one-story and basement frame building.
Owner—F. General, 203 Caselli Ave., San Francisco.

Architect — O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—F. Warden, 240 Montgomery St., San Francisco.
Filed May 4, '22. Dated Apr. —, '22.
1st story joists set.....$ 750
Enclosed and roofed..... 750
Brown coated 750
Completed and accepted..... 750
Usual 35 days..... 1000
TOTAL COST, $4000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

COTTAGE.
(1957) N ANZA 115 W Forty-fourth Ave. All work for six-room frame cottage.
Owner—George Devlin.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.
Filed May 4, '22. Dated Apr. 28, '22.
Frame up $1222.50
Brown coated 1222.50
Completed 1222.50
Usual 35 days..... 1222.50
TOTAL COST, $4890.00
Bond, none. Limit, 90 days. Forfeit none. Plans and specifications filed.

VAULT
(1958) THIRD AND TOWNSEND. All work for reinforced concrete fireproof vault.
Owner—Southern Pacific Co., Premises.
Architect—None.
Contractor—Unit Constr. Co., Phelan Bldg., San Francisco.
Filed May 4, '22. Dated Apr. 12, '22.
At close of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $4850
Bond, $3737. Surety, Globe Indemnity Co. Limit, 45 days. Forfeit, none. Plans and specifications filed.

ENCAVATING
(1959) S McALLISTER 78 E Webster E 59-6xS 137-6. Excavating, grading and bulkheading on lot.
Owner—A. G. & J. Sosnick, % Architect
Architect—Mel I. Schwartz 1202 Nevada Bank Bldg., S. F.
Contractor—A. J. Reeder, 180 Jessie St., San Francisco.
Filed May 4, 22. Dated Apr. 28, '22.
Payments not given .....
TOTAL COST, $2300
Bond, $1150. Sureties, Alfred H. Vogt and J. T. Prince. Limit, 15 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
May 4, 1922—W TWENTY-SECOND Ave 125 and 150 S Anza. William Klute to Meyer Bros ...May 4, 1922
May 4, 1922—W TWENTY-NINTH AV 200 N Clement N 25x120. Ella T Valencia to Klaus Adler..May 4, 1922
May 4, 1922—E VAN NESS AVE 60 S Green 27-6x90. Louise Thomas to Kluenton & Perego.....May 3, 1922
May 4, 1922—S HEARST AVE 275 W Geneva W 25xS 112-6, Pin Blk 3, Sunnyside. Trevor Jones and Emylin Jones to whom it may concern.....April 4, 1922
May 4, 1922—N VALENCIA 107-6 W 17th Ave S R Anderson to whom it may concern May 3, 1922
May 2, 1922—E FIFTEENTH AVE 99 N Cabrillo 25x102-6. Karl H Heimgren to whom it may concern.. .....May 2, 1922
May 2, 1922—E BOTH A 246.13 m or l S Ortega Drive 60x120. Jno J Hartford Jr to whom it may concern .....May 2, 1922
May 3, 1922—W GRANADA AVE 375 N Holloway Ave N 25xW 100. Geo S Green to Bredlow Green Co... .....May 1, 1922
May 3, 1922—N WALLER 206-3 W Masonic Ave W 25xN 137-6. The Rector, Wardens and Vestry of All Saints Parish to Meyer Bros..... .....April 28, 1922
May 3, 1922—W TWENTY-SECOND Ave 150 N Fulton N 50xW 120. A V Anderson to whom it may concern .....April 25, 1922
May 2, 1922—N FOLSOM AND MOSS NE 24-6xNW 80. M Levin & Sons to L A Hinson.....April 29, 1922
May 2, 1922—N EIGHTEENTH 127-6 W Church. Chris Westphal and Lydia J Westphal to George H Arthur.....April 29, 1922
May 2, 1922—E KANSAS 218 S 18th No. 653 Kansas St., 30x100. Margaret Arnold to whom it may concern.....May 1, 1922
May 2, 192—W TWENTY-SECOND Ave 124-5 N Cabrillo N 25x120. Alfred J Gray to whom it may concern.....May 2, 1922
May 2, 1922—SE PALM & EUCLID Aves 33-4 on E Palm by 95 on S Euclid Ave. Carl Jorgensen to whom it may concern..May 2, 1922
May 2, 1922—N CLEMENT 82-6 W Ninth Ave W 50xN 100. Irene M Becsey to whom it may concern .....May 2, 1922
May 2, 1922—N HERMAN 156-3 W Fillmore W 25xN 120. Adolph Miller to whom it may concern... .....May 2, 1922
May 2, 1922—E CAPP 175 N 24th N 25xE 122-6. Patrick J McKay to whom it may concern..Apr. 29, 1922
May 2, 1922—E THIRD AVE 75 S ——— S 25xE 95. Neil Donovan to whom it may concern.... ....May 2, 1922
May 1, 1922—LOT 4 BLK 3166, Westwood Park. Walter E Hansen to whom it may concern..... .....May 1, 1922
May 1, 1922—NW CABRILLO AND 18th Ave W 34xN 100. John C Thomas to whom it may concern.. .....May 1, 1922
May 1, 1922—E NINETEENTH AVE 175 S Lake S 50xE 120. Edward Ginley to whom it may concern. .....May 1, 1922
May 1, 1922—SE FELTON 81 NE Holyoke NE 12x100. Samuel Saari to whom it may concern..... .....May 1, 1922
May 1, 1922—SE FILLMORE AND Filbert E 87-5xS 55-6. Joseph Pasqualetti to whom it may concern.....May 1, 1922
May 1, 1922—W FOURTEENTH AVE 264 S Anza; W 14th Ave 289 S Anza. Voorhies-Newman Co to W R Voorhies. .....May 1, 1922
April 29, 1922—E DOLORES 260 N Nineteenth. Bertha Klemme to W L Hemminga.....April 29, 1922
April 29, 1922—NW GEARY AND Thirty-seventh Ave N 30xW 90. Alton R Lapham to whom it may concern.....April 28, 1922
April 29, 1922—LOTS 20 AND 21 BLK 21 Shdvn Blks 18 and 21 Pin Blk 19 Lots P, Q, R and S, St. Francis Wood Extension No. 2. Garden Homes Co to H B Allen (as Allen & Co) .....April 26, 1922
April 28, 1922—NW BATTERY AND Sacramento W 275xN 119-6. Federal Reserve Bank of S. F. to Hannah Bros.....April 24, 1922
April 28, 1922—E SEVENTEENTH Ave 151-2 S Anza S 24-10x120. G E Watson to whom it may concern ....April 27, 1922
April 28, 1922—SE CLARA 193-9 NE Sixth NE 33-9xSE 75. Frank Nestler to L M Coggins.April 25, 1922
April 28, 1922—NE FILLMORE & Wilmot N 27-6xE 81. Edw Lewis to Chas Schwartz.....April 28, 1922
April 27, 1922—LOT 9 BLK 3164 Westwood Park. Hans and Esther Nelson to whom it may concern... .....April 22, 1922
April 27, 1922—LOT 7 BLK 3136, Westwood Park Hans and Esther E Nelson to whom it may concern.. .....April 22, 1922

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount
May 4, 1922—E SOMERSET 150 N Silliman N 50xE 120. J H Matlean vs A Muller.....$60
May 3, 1922—SE GRANT AVE AND Pine S 77-6xE 60. Reinhart Lumber & Planing Mill Co vs C S Delaney, Louise H Mahony, Frances Jolliffe and Mary Marsicano..$604,89
May 3, 1922—E DOLORES 30 N 15th 25x90. Jos A Wegrich and Al M Fearey vs John Doe Guiseppe, John Doe Guistina and G Sangiacomo.. .....$578.70
April 28, 1922—SE GRANT AVE AND Pine S 77-6xE 60. S C Barnhill, $200, Monihan & Slavin, $435.95; Leonard Lumber Co, $200.75 vs C S Delaney, Louise H Mahoney, Mary Marsicano and Frances Jolliffe....

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount
April 28, 1922—E FOURTH AVE 142 N California. Inlaid Floor Co to John H Sullivan.....

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

May 4, 1922—N UNION 62-6 E Fillmore E 25xN 87-6. Gustavus D Harper as to improvements on property .....
April 28, 1922—S SUTTER 85 W Taylor Harry B Allen as to improvements on property .....

APRIL BUILDING SUMMARY

Following is a report of building operations in San Francisco for the month of April, 1922, as compiled from the records of the Bureau of Building Inspection of the Board of Public Works:

	Number	Est Cost
Class A	1	$250,000
Class B	2	490,000
Class C	26	581,972
Frames	311	1,832,644
Alterations	424	350,519
Public Buildings	2	488,585
Total	766	$3993,720

BUILDING CONTRACTS

ALAMEDA COUNTY

$1,000 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
1937	McKeever	Owner	1500
1938	Tenbrook	Owner	2500
1939	Peppin	Owner	4200
1940	Richmond	Owner	3000
1941	Ibuns	Shade	1600
1943	Fish	Owner	4000
1944	Anguin	Butler	3000
1945	Ballentine	Hicks	3550
1946	Elridge	Owner	4500
1947	Hay	Barr	7900
1948	McCormack	Westlund	1200
1949	Simmons	Mickelson	3000
1951	Swenson	Anderson	3500
1952	Lemgren	Owner	3500
1953	Burritt	Owner	10250
1954	Moore	Jones	9172
1955	Castro	Owner	2000
1956	Broadie	Rich	1000
1957	Eechen	Thorp	3600
1959	Thrig	Andresen	1500

No.	Owner	Contractor	Amt.
1961	Andersen	Rockingham	3000
1962	Dexter	Hiteman	3950
1963	Kenn	Cormack	2750
1964	Scofield	Wieben	5500
1965	Galbraith	Hewitt	1600
1966	Goldwater	Bullock	2500
1967	Jadell	Hopper	7000
1968	Rasmussen	Jensen	1000
1969	Dry Zero	Owner	1000
1970	Capello	Perona	13000
1971	Durrer	Owner	5000
1972	Bradshaw	Johnson	3000
1973	Dry Zero	Cronin	991
1974	Fedderwitz	McPhee	12100
1975	Rivers	Polti	20000
1976	Appleton	Owner	5000
1977	Baker	Owner	5000
1978	Hagar	Person	5000
1979	Samuels	Owner	8000
1980	Wright	Gresham	1150
1981	Gripp	Albers	1000
1982	Andersen	Owner	10000
1983	Graff	Owner	17000
1984	Fellows	Owner	3750
1985	Whalen	Owner	7000
1986	Holman	Stewart	5000
1987	Williams	Owner	3500
1988	Francis	Owner	5000
1989	Smith	Anderson	5000
1990	Godbold	Moe	6143
1992	Neiman	Lehman	1000
1993	Appelbe	Owner	2500
1994	Kneed	Kulchar	1000
1996	Breman	Peppin	7000
1998	Merriam	Morris	5500
1999	I. O. O. F.	Maganini	1500
2001	Eike	Norlin	7000
2002	Ide	Owen	5500
2003	Same	Same	4000
2004	Cans	Beauchamp	1800
2006	Donovan	Norlin	5000
2007	McDonald	Owner	6000
2009	Gallagher	Silva	3000
2011	Best	Rankin	3250
2012	Buhman	Owner	2500
2013	Metick	Owner	32000
2014	Ope	Loling	11649
2015	Ballentine	Hicks	3700
2016	Anderson	Starr	3250
2017	Lied	Rankin	2300
2018	Wilson	Frostholm	3600
2019	Whalen	Owner	3500
2020	Wheatley	Owner	1000
2021	Magnovox	Lawton	50000
2022	Norzenzo	Cisero	5000
2023	Leonard	Owner	2000
2024	Central Shuey	Schmidt	7500
2026	McCracken	Owner	2000
2027	Glickman	Critchett	3500
2028	Dowling	Owner	2900
2029	Jutis	Rider	2500
2030	McCandey	Bigley	2259
2031	Same	Same	9000
2032	Same	Same	2250
2033	Same	Same	2250
2034	Holman	Stewart	5000
2035	Svensen	Anderson	3150
2036	Cotter	Gossett	4700
2037	Sawyer	Nunes	10389
2038	Halpern	Moran	4000
2039	Piedmont Ppty	Owner	3600
2040	Same	Same	5965
2041	Gaines	Long	6000
2042	Havens	Nelson	4500
2043	Eltse	Lawton	4500
2044	Parker	Owner	5000
2047	Sherwood	Blucher	4195
2049	Standard	Owner	5000
2050	Standard	Owner	4000
2051	Delp	Mullen	3000
2052	Danianaski	Oakley	3400
2053	Durant	Walker	100000
2054	Mitchell	Mitchell	9500
2055	Mario	Lundgren	1500
2056	McTeer	Owner	3500
2060	Isoni	Owner	3500
2062	Gratiot	Brown	6000
2064	Moyle	Owner	2500
2065	Fieberling	Lehman	5500
2066	Dolan	Owner	3500
2067	Battram	Pearson	8650
2068	Noble	Owner	6000
2069	Hollested	Zwaal	3500
2070	Gruber	Owner	3150
2071	Groden	Owner	2500
2072	Fossan	Owner	3000
2073	Keller	Baum	3000
2075	Brazier	Owner	3000
2076	Bowman	Kulchar	3000
2077	Hillen	Owner	2500
2078	Hillen	Owner	3500
2079	Sims	Owner	5000
2080	Knight	Owner	5500
2082	Wickham	Cort	3900
2084	Lorres	Isbel	3500
2086	Rabino	Passarino	1200
2087	Carley	Van Ness	2700
2088	Durrell	Petersen	5100
2089	Ritter	Owner	1750
2091	Lindsay	Vaughan	4500
2094	Warner	Owner	2000
2095	Eta Alpha	Sorensen	22333

DWELLING
(1937) N FOOTHILL BLVD. 110 W High, Oakland. One-story 4-room dwelling.
Owner—Wm. McKeever, 4252 Foothill Blvd., Oakland.
Architect—None.
Day's work. $1500

DWELLING
(1938) N HOPKINS 75 E Loma Vista, Oakland. One-story 4-room dwelling.
Owner—Tenbrook & Dickey, 1005 Market St., Oakland.
Architect—None.
Day's work. $2500

DWELLING
(1939) W MAXWELL AVE. 210 N Brookdale, Oakland. One-story 6-room dwelling.
Owner—J. B. Peppin, 851 Trestle Glen oad, Oakland.
Architect—None.
Day's work. $4200

DWELLING
(1940) N NEVIL 300 E-38th Ave., Oakland. One-story 5-room dwelling.
Owner—Richmond & Amsden, 2196 Harrington Ave., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(1941) W ONE HUNDRED & THIRD Ave. between E-14th and Walnut, Oakland. One-story 4-room dwelling.
Owner—R. Ibans.
Architect—None.
Contractor—D. E. Shade, 1741 103rd Ave., Oakland. $1600

DWELLING
(1943) W PARK BLVD. 186 S Brooklyn, Oakland. One-story 5-room dwelling.
Owner—L. C. Fish, 1444 3rd Ave., Oakland.
Architect—None.
Day's work. $4000

DWELLING
(1944) E QUIGLEY 208 N High, Oakland. One-story 5-room dwelling.
Owner—W. S. Anglun, 2187 39th Ave., Oakland.
Architect—None.
Contractor—H. S. Butler, 5679 Oak Grove Ave., Oakland. $3000

DWELLING
(1945) E SIXTIETH AVE. 190 N Foothill Blvd., Oakland. One-story 5-room dwelling.
Owner—W. & D. Ballentine, 674 42nd St., Oakland.
Architect—None.
Contractor—N. M. Hicks, 1424 Franklin St., Oakland. $3550

DWELLING
(1946) W THIRTY-FIRST AVE. 100 S E-14th, Oakland. One-story 6-room dwelling.
Owner—J. B. Elridge, 923 Hollister St., San Francisco.
Architect—None.
Day's work. $4500

DWELLING
(1947) N TRESTLE GLEN ROAD opposite Stradford Road, Oakland. Two-story 7-room dwelling.
Owner—Mrs. M. Hay, 177 22nd St., Oakland.
Architect—None.
Contractor—Barr & Son, 306 26th St., Oakland. $7900

SERVICE STATION
(1948) SE THIRTIETH AVE. AND E-14th, Oakland. One-story brick service station.
Owner—W. J. McCormack.
Architect—None.
Contractor—Fred J. Westlund 351 12th St., Oakland. $1200

DWELLING
(1949) S VESTA 225 E 55th Ave., Oakland. One-story 5-room dwelling.
Owner—H. G. Simmons, 3742 E-14th St., Oakland.
Architect—None.
Contractor—E. Mickelson, 2226 Courtland Ave., Oakland. $3000

DWELLING
(1951) S WELLINGTON AVE. 24 W Everett Ave., Oakland. One-story 5-room dwelling.
Owner—John Svenson, 470 36th St., Oakland.
Architect—None.
Contractor—Edw. Anderson, 957 Madison St., Oakland. $3500

DWELLING
(1952) N WALNUT AVE. 124 E Renwick, Oakland. One-story 5-room dwelling.
Owner—C. E. Lemdgren, 2204 E-24th St., Oakland.
Architect—None.
Day's work. $3500

DWELLINGS
(1953) W BEST AVE. 50, 90 and 130 S Fleming, Oakland. Three 1-story 6-room dwellings.
Owner—Burritt & Shealey, 67 Lincoln Ave., Piedmont.
Architect—None.
Day's work. $3750 each

DWELLING
(1954) NO. 65 DOMINGO AVE., Berkeley. Two-story 9-room dwelling.
Owner—Dr. Oxley Moore.
Architect—Chas. W. McCall, Central Bk. Bldg., Oakland.
Contractor—Jones & Sleep, 5642 College Ave., Berkeley. $9172

DWELLING
(1955) NO. 1128 DERBY ST., Berkeley. One-story 3-room dwelling.
Owner—Peter J. Castro, 2704 Mathews St., Berkeley.
Architect—None.
Day's work. $2000

ALTERATIONS
(1956) NO. 3061 TELEGRAPH AVE., Berkeley. Alterations.
Owner—Broadie.
Architect—None.
Contractor — James L. Rich, 943 42nd St., Oakland. $1000

ADDITION
(1957) NO. 1137 BAY ST., Alameda. Addition.
Owner—I. Eschen, 1303 Caroline St., Alameda.
Architect—None.
Contractor—V. E. Thorp, 4187 39th Ave. Oakland. $3600

ALTERATIONS
(1959) NO. 1162 BROADWAY, Alameda. Alterations.
Owner—Mrs. Thrig, Premises.

Architect—None.
Contractor—H. C. Andresen, 1229 Pearl St., Alameda. $1500

DWELLING
(1961) NO. 1332 REGENT ST., Alameda. One-story 6-room dwelling.
Owner—A. T. Andersen, 2830 Central Ave., Alameda.
Architect—None.
Contractor — J. H. Rockingham, 2306 San Jose Ave., Alameda. $3000

DWELLING
(1962) NO. 1726 SAN ANTONIO AVE., Alameda. One and one-half-story 6-room dwelling.
Owner—A. L. Dexter, 1529 Paru St., Alameda.
Architect—None.
Contractor—E. L. Hiteman, 1217 Cornell Ave., Berkeley. $3950

DWELLING
(1963) NO. 684 THIRTY-FIRST ST., Oakland. One-story 4-room dwelling.
Owner—Thos. Kenn.
Architect—None.
Contractor—R. Cormack, 3914 43rd St., Oakland. $2750

DWELLING
(1964) S ALMA AVE 300 W Park Blvd., Oakland. One-story 7-room dwlg.
Owner—J. A. Scofield.
Architect—None.
Contractor — Alex C. Wieben, 908 Everett Ave., Oakland. $5500

DWELLING
(1965) W EIGHTY-SECOND AVE 40 N Holly, Oakland. One-story 4-room dwelling.
Owner—Floyd Galbraith, 6821 E-14th St., Oakland.
Architect—None.
Contractor—C. L. Hewitt, 8821 E-14th St., Oakland. $1600

ALTERATIONS
(1966) NO. 510 EIGHTEENTH ST., Oakland. Alterations.
Owner—M. Goldwater, Premises.
Architect—None.
Contractor—O. M. Bullock, Premises $2500

DWELLING
(1967) W EDGEWOOD 300 N Wellington, Oakland One and one-half-story 7-room dwelling and garage.
Owner—Oscar Jadell.
Architect—None.
Contractor—M. E. Hopper & Son, 1117 Washington St., Oakland $7000

ALTERATIONS
(1968) SE MONTGOMERY & RIDGEway, Oakland. Alterations.
Owner—C. Rasmussen.
Architect—None.
Contractor—Jensen & Petersen, 3411 Adeline St., Oakland. $1000

PLATFORM
(1969) NO. 1115 NINETEENTH AVE., Oakland. Platform.
Owner—The Dry Zero Corp.
Architect—None.
Day's work $1000

STORES, ETC
(1970) SE 107TH AVE AND E-14th Oakland Two-story stores and flats
Owner—A. Capello 919 Magnolia St., Oakland
Architect—None.
Contractor—John Perona, 570 7th St., Oakland $13,000

DWELLING
(1971) E SEVENTY-FIFTH AVE 400 S E-14th St., Oakland. One-stoy 5-room dwelling.
Owner—Walter A. Durter, 1254 75th Ave., Oakland
Architect—None
Day's work $3000

DWELLING
(1972) W THIRTEENTH opp. E-25th St., Oakland. One-story 5-room dwelling.
Owner—E. Bradshaw, 1129 5th Ave., Oakland.
Architect—None.
Contractor—K. A. Johnson, 2439 13th Ave., Oakland. $3000

PLASTERING
(1973) NO. 1115 NINETEENTH AVE., Oakland. All work for exterior plastering for factory.
Owner—The Dry Zero Corp.
Architect—None.
Contractor—Cronin & Barnett, 883 31st St., Oakland.
Filed Apr. 28, '22. Dated Apr. 21. '22.
Brown coated 60%
Usual 35 days..... 40%
TOTAL COST, $991
Bond, none. Limit, 12 days after Apr. 24. Forfeit, plans and specifications, none.

STORES
(1974) N UNIVERSITY AVE 87.1 E Tenth E 43.55 N 151.93 W 44.87 S 162.62, Berkeley. All work for one story brick stores.
Owner—George Fedderwitz, 1037 University Ave., Berkeley.
Architect—Reed & Corlett, Oakland Bk. of Savings Bldg., Oakland.
Contractor—A. J. McPhee, 2144 E-27th St., Oakland.
Filed Apr. 28, '22. Dated Apr. 26 '22.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $12,109
Sureties, Carl T. Doell, C. C. Quinn Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1975) NO. 205 CROCKER AVE., Piedmont. Two-story 8-room dwelling.
Owner—Thos. W. Rivers, Phelan Bldg., San Francisco.
Architect — C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.
Contractor—G. Polati, 2229 Union St., San Francisco. $20,000

DWELLING
(1976) NO. 133 MONTICELLO AVE., Piedmont. One-story 4-room dwelling and garage.
Owner—W. G. Appleton, 1881 Calatina St., Berkeley.
Architect—None.
Day's work. $5000

DWELLING
(1977) NO. 144 NOVA DRIVE, Piedmont. One-story 4-room dwelling.
Owner—W. J. Baker, 2255 Ransome St., Oakland.
Architect—None.
Day's work. $5000

DWELLING
(1978) NO. 233 OAKMONT AVE., Piedmont. One-story 4-room dwlg.
Owner—Geo. H. Hagar, Syndicate Bldg. Oakland.
Architect—None.
Contractor—Emil Person, 1933 El Dorado St., Berkeley. $5000

DWELLING
(1979) S ASHMOUNT AVE 90 W Mandana Blvd., Oakland. Two-story 8-room dwelling.
Owner—Dr. H. J. Samuels, Dalziel Bldg. Oakland
Architect—Merrill Bowser, Hearst Bldg., San Francisco.
Day's work. $8000

ALTERATIONS
(1980) S BUCKEYE AVE 150 S Edith St., Oakland. Alterations and additions.
Owner—J. Wright, 1527 Pine St., San Francisco.
Architect—None.
Contractor—F. T. Gresham, 4095 Lincoln Ave., Oakland $1150

DWELLING
(1981) S E-TWENTY-FOURTH 40 E Seventh Ave., Oakland. One-story 5-room dwelling.
Owner—O. E. Gripp, 1834 Ninth Ave., Oakland.
Architect—Miller & Warnecke, 414 13th St. Oakland.
Contractor—Geo. H. Albers, 5152 Foothill Blvd., Oakland. $4000

APARTMENTS
(1982) W HARRISON BLVD. 100 N Hamilton Place, Oakland. Two-story 16-room apartments.
Owner—A. P. Anderson, 5601 Adeline St., Oakland.
Architect—None.
Day's work. $10,000

APARTMENTS
(1983) S LEE 350 N Grand Ave., Oakland. Two-story 16-room apartments.
Owner — Edwin C. Graff, 355 12th St., Oakland.
Architect—None.
Day's work. $17,000

DWELLING
(1984) SW MERA AND ROSEDALE, Oakland. One-story 6-room dwlg.
Owner—Chas. L. Fellows, 4029 Mera St., Oakland.
Architect—None.
Day's work. $3750

DWELLINGS
(1985) W MANILA AVE 41 and 121 S 49th St., Oakland. Two one-story 5-room dwellings.
Owner — Whalen & Carlos, Federal Bldg., Oakland.
Architect—None.
Day's work. $3500 each

DWELLING
(1986) N PLEASANT VALLEY 97 E North Court, Oakland. One story 6-room dwelling.
Owner—Marie Holman.
Architect—None.
Contractor—J. E. Stewart, 686 Sycamore St., Oakland. $5000

DWELLING
(1987) N PRINCETON 200 W Cole, Oakland. One-story 5-room dwlg.
Owner—A. E. Williams, 1309 52nd Ave., Oakland.
Architect—None.
Day's work. $8500

DWELLINGS
(1988) W SIXTY-SECOND AVE 372 and 309 N Foothill Blvd., Oakland. Two one-story 5-room dwellings.
Owner—E. O. Francis, 3940 E-14th St., Oakland.
Architect—None.
Day's work. $2500 each

DWELLING
(1989) NO. 800 TRESTLE GLEN RD., Oakland. Two-story 6-room dwlg.
Owner—O. T. Smith.
Architect—Slocombe & Field, 1st Svgs. Bank Bldg., Oakland.
Contractor—Geo. W. Anderson, 286 Perry St., Oakland. $5000

STORES
W TELEGRAPH AVE 25 S 17th St., Oakland. One-story concrete stores.
Owner—Columbia Outfitting Co., 1017 Market St., San Francisco.
Architect—Mel. Schwartz, Nevada Bk. Bldg., San Francisco.
Contractor—Cress & Trobock, 180 Jessie St., San Francisco. $20,000
NOTE.—Recorded contract reported April 27, 1922, No. 1928.

DWELLING
(1990) LOT 35 BLK 841, Oakland Prospect Homestead Tct, Oakland. All work for one-story frame dwelling and garage.
Owner—John H. Godbold, 1045 60th St., Oakland.

Architect—Walter T. Steilberg, Flatiron Bldg., San Francisco.
Contractor—Samuel Moe, 2125 9th Ave., Oakland.
Filed Apr. 28, '22. Dated Apr. 25, '22.
Alternate Fridays 75%
Usual 35 days..... 25%
TOTAL COST, $6143
Bond, none. Limit, 100 days from May 1. Forfeit, $1. Plans and specifications filed.

GARAGE
(1992) NO. 1233 OXFORD ST., Berkeley. Garage.
Owner—W. F. Neiman, 1231 Oxford St., Berkeley.
Architect—None.
Contractor—J. Lehman. $1000

DWELLING
(1993) NO. 2405 ACTON ST., Berkeley One-story 6-room dwelling.
Owner—Frank G. Appelbe, 2413 Grove St., Berkeley.
Architect—None.
Day's work $2500

ALTERATIONS
(1994) NO. 1326 BROADWAY, Oakland. Alterations.
Owner—I. Kneed Bakeries Co
Architect—None.
Contractor—S. Kulchar Co., 8th Ave. and E-10th St., Oakland. $1000

DWELLING
(1996) N BAILARD ROAD 100 W Excelsior, Oakland. One and one-half story 7-room dwelling.
Owner—Thomas F. Breman, 143 Kempton Ave., Oakland.
Architect—None.
Contractor—J. B. Peppin, 800 Trestle Glen Road, Oakland. $7000

DWELLING
(1998) DIAMOND PARK 200 W Fruitvale Ave., Oakland. Two-story 7-room dwelling.
Owner—Lucy E. Merriam, 1705 Broadway, Oakland.
Architect—None.
Contractor—W. R. Morris, El Cerrito. $5500

ALTERATIONS
(1999) NW ELEVENTH & FRANKlin., Oakland. Alterations.
Owner—Odd Fellows Hall Association.
Architect—None.
Contractor—J. F. Maganini, 603 36th St., Oakland. $1500

FLATS
(2001) S FORTY-SECOND 150 W Curtis, Oakland. Two-story 16-room flats.
Owner—H. C. Eike, 879 22nd St., Okd.
Architect—None.
Contractor—R. Norlin, 2016 84th Ave., Oakland. $7000

DWELLING
(2002) E FAIRFAX AVE 60 N Foothill Blvd., Oakland. One-story 8-room 2-family dwelling.
Owner—W. G. Ide, 2515 66th Ave., Okd.
Architect—None.
Contractor—W. K. Owen & Co., 251 Kearny St., San Francisco. $5500

DWELLING
(2003) NE FOOTHILL BLVD. AND and Fairfax, Oakland. One-story 5-room dwelling.
Owner—Welcome Ide, 2515 66th Ave., Oakland.
Architect—None.
Contractor—W. K. Owen & Co., 251 Kearny St., San Francisco. $4000

DWELLING
(2004) SE HAMILTON AND SIXTY-eighth Ave., Oakland. One-story 4-room dwelling.
Owner—Mrs. E. Cans, 1088 68th Ave., Oakland.
Architect—None.
Contractor—F. Beauchamp, 6800 Outlook Ave., Oakland. $1800

DWELLING
(2006) E THIRTY-THIRD 205 N Farnum, Oakland Two-story 7-room dwelling.
Owner—J. Donovan, 1486 33rd Ave., Oakland.
Architect—None.
Contractor—R. Norlin, 2016 84th Ave., Oakland. $5000

FLATS
(2007) S TWENTY-FOURTH 75 W Market, Oakland. Two-story 12-room flats.
Owner—F. P. McDonald, 903 24th St., Oakland.
Architect—None.
Day's work. $6000

DWELLING
(2009) E PARK BLVD 500 N Hampel, Oakland. One-story 5-room dwlg.
Owner—W. L. Gallagher, 815 Peralta Ave., Oakland.
Architect—None.
Contractor—J. P. Silva, 370 46th St., Oakland. $3000

DWELLING
(2011) NW SIXTY-THIRD AND DANA Sts., Oakland. One-story five-room dwelling.
Owner—R. R. Best, 3119 College Ave., Berkeley.
Architect—None.
Contractor—J. L. Rankin, 6082 Claremont Ave., Oakland. $3250

DWELLING
(2012) E WHITTLE AVE 500 N Wilbur, Oakland. One-story 4-room dwelling.
Owner—P. J. Luhman, 2412 Palmetto Ave., Oakland.
Architect—None.
Day's work. $2500

APARTMENTS
(2013) N GRAND AV 252 E Montecito, Oakland. Three-story 41-room apartments.
Owner—W. L. Metick, 1512 Broadway, Oakland.
Architect—Leonard Thomas.
Day's work. $32,000

STORES
(2014) PTN LOT 1 Map Plat Lot 1 of H. C. Dohis Homestead, Emeryville. All work for one-story stores.
Owner—Fred Ope.
Architect—None.
Contractor—C. Fioling.
Filed May 1, '22. Dated Apr. 27, '22.
Frame up ..... ¼
Plastered ..... ¼
Completed ..... ¼
Usual 35 days..... ¼
TOTAL COST, $11,649
Bond, $5834. Sureties, Harry G. Lundgren and S. I. Lundberg. Limit, 90 days. Forfeit, $100. Plans and specifications filed.

DWELLING
(2015) LOT 6 BLK C, Foothill Park Tract., Oakland. All work for one story 5-room dwelling and garage.
Owner—W. H. and D. I. Ballentine, 671 42nd St., Oakland.
Architect—None.
Contractor—H. M. Hicks, 1421 Franklin St., Oakland.
Filed May 1, '22. Dated Apr. 28, '22.
Frame up ..... ¼
Plastered ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $3700
Bond, $2000. Sureties, H. C. Tuller Jr. and Byron W. Moffitt. Limit, 60 days. Forfeit, none. Plans and specifications filed.

DWELLING
(2016) NO. 1144 DELAWARE ST., Berkeley. One-story 5-room dwelling.
Owner—A. Anderson, 1214 Delaware St., Berkeley.
Architect—None.
Contractor—C. M. Starr, 2019 Delaware St., Berkeley. $3250

DWELLING
(2017) NO. 1436 OXFORD ST., Berkeley. One-story 4-room dwelling.
Owner—Mrs. W. Lied, 1721 Grove St., Berkeley.
Architect—None.
Contractor—S. G. Rankin, 712 Haddon Road, Berkeley. $2300

DWELLING
(2018) NO. 2755 PIEDMONT, Berkeley One-story 5-room dwelling.
Owner—Alice Wilson, 2753 Piedmont Ave., Berkeley.
Architect—None.
Contractor—H. M. Frostholm, 877 Lakeshore Ave., Oakland. $3600

DWELLING
(2019) N AILEEN 40 E Gaskill, Oakland. One-story 5-room dwelling.
Owner—John F. Whalen, Federal Bldg., Oakland.
Architect—None.
Day's work. $3500

ALTERATIONS
(2020) NO. 1148 E-EIGHTEENTH ST., Oakland. Alterations.
Owner—N. M. Wheatley, 830 E-19th St., Oakland.
Architect—None.
Day's work. $1000

FACTORY
(2021) S E-FOURTEENTH 200 E 26th Ave., Oakland. Two-story brick and tile factory.
Owner—Magnovox Co., Premises.
Architect—B. J. S. Cahill.
Contractor—Lawton & Vezey, 357 12th St., Oakland. $50,000

DWELLING
(2022) N FORTY-FOURTH 90 E Linden St., Oakland. One-story 5-room dwelling.
Owner—A. Norzenzo, 1018 14th St., Okd
Architect—None.
Contractor—Cisero & Rainerl, 458 42nd St., Oakland. $3000

DWELLING
(2023) S KANNING 195 E 39th Ave., Oakland. One-story 4-room dwlg.
Owner—H. W. Leonard, 3769 High St., Oakland.
Architect—None.
Day's work. $2000

STORE, ETC.
(2024) SE E-FOURTEENTH AND Forty-eighth Ave., Oakland. One story frame store and shed.
Owner—Central Shuey Creamery Co., 12th and Jefferson Sts., Oakland.
Architect—None.
Contractor—B. H. Schmidt, 2237 E-19th St., Oakland. $7500

ALTERATIONS
(2026) NO. 189 NINTH ST., Oakland. Alterations and additions.
Owner—Ida C. McCracken. Premises.
Architect—None.
Day's work. $2000

DWELLING
(2027) W SIXTY-SIXTH AVE 300 N E-14th St., Oakland. One-story 5-room dwelling.
Owner—Louis Glickman, Oakland Bank of Savings Bldg., Oakland.
Architect—None.
Contractor—F. Critchett. $3500

DWELLING
(2028) N SIXTY-FIRST 100 W Racine Oakland. One-story 5-room dwlg.
Owner—Geo. F. Dowling, 424 Lagunitas Ave., Oakland.
Architect—None.
Day's owrk. $2900

DWELLING
(2029) S THIRTY-NINTH 200 W Telegraph Ave., Oakland. One-story 5-room dwelling.
Owner—E. Juttis, 367 39th St., Oakland.
Architect—None.
Contractor—B. H. Rider, 2803 Minna Ave., Oakland. $2500

DWELLING
(2030) N ASH 157 W Seventy-ninth St. Ave., Oakland. One-story 5-room dwelling.
Owner — J. I. McCandey, 2917 Ashby Ave., Berkeley.
Architect—None.
Contractor—Bigley & Walsh, El Cerrito. $2250

DWELLINGS
(2031) W SEVENTY-NINTH AVE 44, 79, 124 and 159 N Ash St., Oakland. Four one-story 5-room dwellings. Ave., Berkeley.
Architect—None.
Owner — J. I. McCandey, 2917 Ashby
Contractor—Bigley & Walsh, El Cerrito. $2250 each

DWELLING
(2032) NW SEVENTY-NINTH AVE & Ash St., Oakland. One-story five-room dwelling.
Owner — J. I. McCandey, 2917 Ashby Ave., Berkeley.
Architect—None.
Contractor—Bigley & Walsh, El Cerrito. $2250

DWELLING
(2033) SW SEVENTY-NINTH AVE & Ash St., Oakland. One-story five-room dwelling.
Owner — J. I. McCandey, 2917 Ashby Ave., Berkeley
Architect—None
Contractor—Bigley & Walsh, El Cerrito $2250

BUILDING
(2034) NE PLEASANT VALLEY being Pin Lots 86 and 101, Map Pleasant Valley Court, Oakland. Building.
Owner—Marie Horman, Oakland.
Architect—None.
Contractor—J. E. Stewart, 686 Sycamore St., Oakland.
Filed May 1, '22. Dated Apr. 26, '22.
Enclosed $2000
Standing finish on..... 2500
Completed and accepted..... 1500
TOTAL COST, $5000
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications, none.

DWELLING
(2035) S WELLINGTON 24 W Everett Ave., Oakland. All work for one-story dwelling.
Owner—John and Linnea Svensen, 170 36th St., Oakland.
Architect—None.
Contractor—Edw. Anderson, 957 Madison St. Albany.
Filed May 1, '22. Dated Apr. 27, '22.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days ..... ¼
TOTAL COST, $3150
Bond, none. Limit, 65 days. Forfeit, plans and specifications, none.

DWELLING
(2036) SE 50 EXCEPT SW 50 thereof Lot 19 Blk "C" Broadmoor, San Leandro. All work for six-room dwelling.
Owner—Miss M. Clare Cutler, 380 Grand Ave., San Leandro.
Architect—None.
Contractor—Chester A. Cogsell, 1[illegible] Davis Court, San Leandro.
Filed May 2, '22. Dated Apr. 28, '22.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days ..... ¼
TOTAL COST, $[illegible]
Bond, none. Limit, 60 days. Forfeit, plans and specifications, none.

DWELLING
(2037) LOT 101 Crocker Highlands, Oakland. All work for two-story frame dwelling.
Owner—Hattie E. Sawyer, Oakland.
Architect—None.
Contractor—Geo. W. Nunes, 5430 Dover St., Oakland.
Filed May 2, '22. Dated May 1, '22.
Frame up ..... ¼
Brown coated ..... ¼
Completed ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $10,380
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

STORES
NO. 1071-73-77 UNIVERSITY AVE., Berkeley. One-story 3-room Class C stores.
Owner—George Fedderwitz.
Architect — Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
Contractor—A. J. McPhee, 2144 E-27th St., Oakland. $12,000
NOTE:—Recorded contract reported April 29, 1922, No. 1974.

DWELLING
(2038) NO 147 LAKE AVE., Piedmont. One and one-half-story 5-room dwelling.
Owner—Mrs. H. Halpern.
Architect—None.
Contractor—J. W. Moran. $4000

DWELLING
(2039) NO. 108 HILLSIDE COURT, Piedmont. One-story 5-room dwlg.
Owner—Piedmont Property Co.
Architect—None.
Day's work. $3600

DWELLING
(2040) NO. 602 MAGNOLIA AVE., Piedmont. One and one-half-story 6-room dwelling.
Owner—Piedmont Property Co.
Architect—None.
Day's work. $5965

DWELLING
(2041) NO. 732 ARLINGTON ST., Berkeley. One-story 6-room dwelling.
Owner—Mary D. Gaines.
Architect—None.
Contractor—Roy O. Long, 2411 Shattuck Ave., Berkeley. $6000

DWELLING
(2042) SW CARLTON AND FULTON, Berkeley. One-story 6-room 2-family dwelling.
Owner—R. Havens, 12th and Clay Sts., Oakland.
Architect—None.
Contractor—Nelson & Conrad, 351 12th St., Oakland. $4500

DWELLING
(2043) NO 650 CONTRA COSTA, Berkeley. Two-story 6-room dwelling.
Owner—R. R. Ellis.
Architect—None.
Contractor—Lawson & Vezza, 351 12th St., Oakland. $4500

DWELLING
(2044) NO 2022 DEL NORTE, Berkeley. Two-story 6-room dwlg.
Owner—Brooks Parker.
Architect—None.
Day's work. $5000

DWELLING
(2047) NO 1517 OXFORD ST., Berkeley. One and one-half-story 6-room dwelling.
Owner—T. F. Stewart.
Architect—None.
Contractor—Walter Clot, 1[illegible] Ed Ave., Oakland. $111[illegible]

STATION
(2049) NE FORTY-EIGHTH AVE AND Foothill Blvd., Oakland. One-story steel service station and one-story combination station.
Owner—Standard Oil Co.
Architect—None.
Day's work. $5000

STATION
(2050) NW SIXTH AVE AND E-12th St., Oakland. One-story steel service station.
Owner—Standard Oil Co.
Architect—None.
Day's work. $4000

GARAGE
((2051) N ELEVENTH 158 E Jackson, Oakland. One-story tile garage.
Owner—Cris Delp, 313 9th St., Oakland.
Architect—Schirmer Eugbee & Co., Thayer Bldg., Oakland.
Contractor—Mullen & La Voie, 265 9th St., Oakland. $3000

ALTERATIONS
(2052) NO. 1568 E-FOURTEENTH ST., Oakland. Alterations.
Owner—P. E. Danianaskes, Premises.
Architect—None.
Contractor—Oakley & Kolmodin, 1911 65th Ave., Oakland. $3400

OFFICE BLDG.
(2053) N E-FOURTEENTH 247 W Stanley Road, Oakland. Two-story concrete office building.
Owner—Durant Motor Co. of Calif.
Architect—None.
Contractor—P. J. Walker, Monadnock Bldg., San Francisco. $100,000

STORES
(2054) N E-EIGHTEENTH 125 W Park Blvd., Oakland. One-story 8-room stores.
Owner—Mrs. A. N. Mitchell, 439 Bellevue Ave., Oakland.
Architect—None.
Contractor—A. N. Mitchell. $3500

DWELLING
(2055) N FORTY-FIFTH 240 W Grove, Oakland. One-story 3-room dwlg.
Owner—A. D. Mario, 695 45th St., Okd
Architect—None.
Contractor — Henry Lundgren, 1110 Parker St., Berkeley. $1500

DWELLING
(2056) W GRAND AVE 250 S Elwood, Oakland. One-story 5-room dwlg.
Owner—J. D. McTeer, 753 Grand Ave., Oakland.
Architect—None.
Day's work. $3500

GREENHOUSE
(2060) E 105TH AVE near Creek, Oakland. One-story greenhouse.
Owner—M. Isoni, 160 105th Ave., Okd.
Day's work. $350[illegible]

FLATS
(2062) W PANAMA COURT 200 S Glen, Oakland. Two-story 8 room flats.
Owner—C. J. Gratiot, 51 Glen Ave., Oakland.
Architect—None.
Contractor—A. W. Brown, 17 Glen Ave., Oakland. $6000

DWELLING
(2063) W SIXTY-THIRD AVE 80 N Fortune Way, Oakland. One-story 6-room dwelling.
Owner—J. Moyle, 218[illegible] 63rd Ave., Okd.
Architect—None.
Day's work. $2500

DWELLING
(2065) W WESLEY 200 N Prospect, Oakland. One-story 6-room dwlg.
Owner—Chas. Fickerling, 735 Grand Ave., Oakland.
Architect—None.
Contractor—J. Lehman, 959 Angel St., Oakland. $3500

DWELLING
(2066) N WALLA VISTA AVE 200 E Kenmore, Oakland. One-story five room dwelling.

Owner—Leo J. Dolan, Syndicate Bldg, Oakland.
Architect—None.
Day's work. $3500

DWELLING
(2067) N INDIAN AVE bet. Underhill Road and Clarendon Crescent, Oakland. All work for frame dwlg.
Owner—Florence Colby Battram.
Architect — Creston H. Jensen, 3047 Benvenue Ave., Berkeley.
Contractor—Ben Pearson, 2403 Grant St., Berkeley.
Filed May 3, '22. Dated May 2, '22.
Frame up ..... ¼
Plastered ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $8650
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLINGS
(2068) NO. 1025-1024 DORIS COURT, Alameda. Two one-story 5-room dwellings.
Owner—G. H. Noble, 2255 Santa Clara Ave., Alameda.
Architect—None.
Day's work. $3000 each

DWELLING
(2069) NO. 2848 ENCINAL AVE., Alameda. One-story 5-room dwelling.
Owner—C. Hollested. 1243 Broadway, Oakland.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Contractor—L. Zwaal, 3076 California St., Oakland. $3500

DWELLING
(2070) FERNSIDE BLVD. and Fairview Ave., Alameda. One-story 5-room dwelling.
Owner—B. D. Gruber, 621 Oak St., Alameda.
Architect—None.
Day's work. $3150

DWELLING
(2071) NO. 1540 FIFTH ST., Alameda. One-story 5-room dwelling.
Owner—J. Groden. 2515 Encinal Ave., Alameda.
Architect—None.
Day'ts work. $2500

DWELLING
(2072) NO. 3103 JACKSON ST., Alameda. One-story 5-room dwelling.
Owner—A. Fossan, 1233 Broadway, Alameda.
Architect—None.
Day's work. $3000

DWELLING
(2073) NO. 765 PACIFIC AVE., Alameda. One-story 5-room dwlg.
Owner—Herman Keller, Premises.
Architect—None.
Contractor—Frank H. Baum, 1612 Stanton St., Alameda. $3000

DWELLING
(2075) NO. 2301 DERBY ST., Berkeley One and one-half-story 6-room dwelling.
Owner—Jas. W. Brazler, 1912 Blake St., Berkeley.
Architect—None.
Day's work. $3000

ALTERATIONS
(2076) NO. 2155 SHATTUCK AVE., Berkeley. Alterations.
Owner—Bowman Drug Co., Premises.
Architect—None.
Contractor—S. Kulchar & Co., 8th Ave. and E-10th St., Oakland. $3000

DWELLING.
(2077) W 55TH AVE 87 N Bond, Oakland. One-story 4-room dwelling.
Owner—R. C. Hillen, 5364 Trask, Oakland.
Architect—None.
Days Work. $2500

DWELLING.
(2078) N BOND, 160 W 51st Ave, Oakland. One-story 5-room dwelling.
Owner—R. C. Hillen, 5364 Trask, Oakland.
Architect—None.
Days Work. $3500

DWELLING.
(2079) E COURTLAND AVE 300 N Foothill Blvd, Oakland. One-story 2-family dwelling.
Owner—Wm. H. Sims, 1926 64th Ave., Oakland.
Architect—None.
Days Work. $5000

DWELLING.
(2080) N EXCELSOR 250 W Park Blvd, Oakland. 1½-story 6-room dwelling.
Owner—Harry C. Knight, 388 12th, Oakland.
Architect—None.
Days Work. $5500

DWELLING
(2082) E EMERALD 260 S Garnet, Oakland. One-story 5-room dwelling.
Owner—C. E. Wickham, 3715 Leighton Ave, Oakland.
Architect—None.
Contractor—Roger Cort, 306 14th St., Oakland. $3900

DWELLING.
(2084) N 40TH 15 E Market, Oakland. One-story 5-room dwelling.
Owner—C. Torres, 1105 Chestnut, Oakland.
Architect—None.
Contractor—Reed & Isbel, 681 62nd St., Oakland. $3500

ALTERATIONS
(2086) NO. 3227 HOLLIS ST., Oakland. Alterationst.
Owner—A. Rabino.
Architect—None.
Contractor—Jno. Passarino, 5864 Beaudry St., Oakland. $1200

DWELLING
(2087) N MIDVALE AVE 250 N California, Oakland. One-story 5-room dwelling.
Owner—H. C. Carley.
Architect—None.
Contractor—L. E. Van Ness, Box 433, R. F. D., No. 1. $2700

DWELLING
(2088) NO. 4431 NORTH COURT, Oakland. One-story 6-room dwelling and garage.
Owner—E. L. Durrell, — Howe St., Oakland.
Architect—None.
Contractor—Jensen & Petersen, 3411 Adeline St., Oakland. $5100

DWELLING
(2089) W PINEHAVEN ROAD 1000 N Moraga Road, Oakland. One-story 4-room dwelling.
Owner—Mathew Fitter, 606 Haight Ave., Alameda.
Architect—None.
Day's work. $1750

GARAGE
(2091) W SAN PABLO AVE 225 S 34th St., Oakland. One-story brick garage.
Owner—C. F. Lindsay, El Cerrito.
Architect—None.
Contractor—John Vaughan, 1124 Hampel St., Oakland. $4500

DWELLING
(2094) TWENTY-FIRST 40 N E-29th St., Oakland. One-story five-room dwelling.
Owner—Mrs. May Warner, 1350 E-27th St., Oakland.
Architect—None.
Day's work. $2000

(2095) PORTION LOT 21, BLK D MAP Portion Berkeley property situated bet. U. C. and State Deaf and Dumb Asylum. Two-story Chapter House, Berkeley, Cal.
Owner—Eta Alpha Chapter of Phi Mu, a corporation, 2635 Channing Way, Berkeley, Cal.
Architect—W. H. Ratcliff, First Natl. Bank Bldg., Berkeley, Cal.
Contractor—Walter Sorensen, 3219 Ellis St., Berkeley, Cal.
Filed May 3, 1022. Dated May 2, 1922.
Roof boarded ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $22,333
No bond. No forfeit. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted

May 4, 1922—S DUTTON AVE 100 NE 17 acre tract described in deed recorded Liber 2788, Deeds Page 284, NE 86.20 SE 1695 SE 157.83 SW 97.98 NW 172.38, San Leandro. Guadlupe V McKaig to H Elmer Johnson ..... May 2, 1922

May 4, 1922—LOT 18 BLK 6, Northbrae Tract, Berkeley. G R Heath to R Perrott..... May 3, 1922

May 4, 1922—NO. 5850 HEARN ST., Oakland. Alfred J Pollard to whom it may concern .....

May 3, 1922—LOTS 1, 2 AND 3 BLK 14, College Homestead, Berkeley. The Boardman Estate, Blanche L Porter by James W Plachek to W T Bond, April 28; Rigney Tile Co .....May 1, 1922

May 3, 1922—PTN BLK 2, Shattuck Tract No. 2, Berkeley W W Whitecotton by James W Plachek to Robert Howden & Son, May 1; Ray Cook Marble Co.....May 1, 1922

May 3, 1922—LOTS 1 TO 6, inclu. BLK 1, Barker Tract, Berkeley. W W Whitecotton by James W Plachek to Wm Makin, May 3, H C Brown Roofing Co.....April 26, 1922

May 3, 1922—NE GRAND AVE AND Webster, Oakland. Ruby Adler to MacDonald & Kahn.....May 1, 1922

May 3, 1922—LOT 57, Piedmont Manor, Piedmont. Edna S Johnson to William J Baker.....May 2, 1922

May 3, 1922—SW FIFTY-NINTH AND San Pablo Ave S 93 W 100 N 22.50 W 112 N 70.90 E 212, Oakland. Carrie B Landregan to Morse & Hind.....May 2, 1922

May 3, 1922—SW GRAND AVE AND Webster, Oakland. MacDonald & Kahn to whom it may concern... .....May 1, 1922

May 2, 1922—LOTS 17 AND 18 and S 25 Lot 11 Blk 6, Kellersbergers Map of Oakland. Dora Bercovich to M F Sommarstrom .....May 1, 1922

May 2, 1922—NE CLARIMONT AND Ashby Aves, Berkeley. Associated Oil Co to J Caturci.....Apr. 21, 1922

May 1, 1922—LOT 108 Map Fourth Avenue Terrace Extension, Oakland. S H and Elsie May to Guy L Brown .....April 28, 1922

April 28, 1922—NO. 464-66 FORTY-fourth, Oakland. Theresa Hassler to California Builders Co..... .....April 25, 1922

April 28, 1922—SHATTUCK AVE near University Ave, Berkeley. Southern Pacific Co to Hutchinson Co.. .....March 28, 1922

April 28, 1922—WEBSTER from 2nd to 13th Sts., Oakland. Southern Pacific Co to Hutchinson Co..... .....April 22, 1922

April 28, 1922—SEVENTH ST. from Clay to Adeline Sts., Oakland. Southern Pacific Co to Hutchinson Co.....April 22, 1922

April 28, 1922—LOT 21 and E 5 Lot 30 Blk 8, Map Melrose Heights, Oakland. Katharine L Lemmon to whom it may concern..April 27, 1922

April 28, 1922—SHATTUCK AVE bet. Ward and Center, Berkeley. S. P. Co to Hutchinson Co...April 13, 1922

LIENS FILED

ALAMEDA COUNTY

Recorded Amount

May 1, 1922—LOT 42 BLK "G" Map Fourth Avenue Terrace, Oakland. Charles W Sanford vs H W MacDonald $90

May 3, 1922—LOT 9 BLK "D" Oakland Highlands Tract, Oakland. M J Mathias vs L A Booker and W H Kelley $187.50

May 5, 1922—LOT 42 Map Fruitvale and San Leandro Road Tract, Oakland. George W Scaddan, $101.96; Charles L Hartman, $169.70 vs Juanita Lane .....

April 29, 1922—PT. 50 FROM NE Cor. Florence St. and Ashby Ave on E line Florence St. N 86xE 90, Berkeley. Hunter Lumber Co vs G T Crowe and Harvey Long.....$90

April 28, 1922—LOTS 36 AND 37 BLK Q, Map Hardy's Addition to Adeline and Market Sts. Homestead, Oakland. Harry Wessel vs G Raimondi $996

April 28, 1922—LOT 20 BLK 7, Map Loma Vista Tct, Oakland. Hogan Lumber & Mill Co vs C Harold McCaslis and C C Williams.... $308.07

April 28, 1922—LOT 11 BLK "D" Oakland Highlands, Oakland. Contra Costa Bldg Materials Co vs A E, L A and L E Booker.....$106.70

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount

May 1, 1922—LOT 8 and W 12½ Lot 7 Blk 16, Amended Map Sunset Terrace, Albany. Stege Lumber & Hardware Co to E Cushing et al... .....$200

April 28, 1922—PTN PLOT 19C Map Mack Town Tract, Hayward. Sunset Lumber Co to M J Martin et al $158.02

Notice of Non-Responsibility

ALAMEDA COUNTY

May 1, 1922—S COUNTY ROAD leading from Irvington to Mission San Jose opp to Engineer Station 736 plus 92; SE 450 SW 47 SE 219.78 SE 78.5 NE 55 N to said County Road W 57. — . Southern Pacific Co as to Improvements on property

HOMESTEADS

ALAMEDA COUNTY

May 4, 1922—LOTS 23, 24, 25 and 26 Blk 4, Map Spaulding Tract, Berkeley. Ellen Stone (wf Daniel Edward) $500

May 4, 1922—E NINTH 181-3 S Allston Way S 40xE 130, Berkeley. Alma Nylund (wf Johannes)...$200

May 4, 1922—LOT 21 and E 15 Lot 22 Blk 7 Map Shaw Tract, Berkeley. Florence E Ballard (wf Harlie R) $1900

ALAMEDA HOMESTEADS, 17 . .

May 3, 1922—PTN LOT 23 Map Laurel Farm, Eden Tp. T L Conger $3500

April 29, 1922—LOT 7 Map Sansal Tct, Oakland. Alphonse E & Catherine Sondag $7000

April 28, 1922—SW THIRTY-FIFTH ave. Lim W 80 In pt b g W 45xS 42 Oakland. Minnie E Yuille (wf J W) $5000

April 27, 1922—E BRYANT 247.35 S Ada S 100xE 100 Oakland. Luigi Pelusi $4600

OAKLAND BUILDING TOTALS FOR APRIL, 1922

Classification	No. Permits	Cost
1-story dwellings.....	260	$760,689
1-st. dwllgs. and stores	1	2,000
1-st. 2-fam. dwelling..	6	28,500
1-st. 3-fam. dwelling..	1	9,000
1½-st. dwellings	5	24,700
2-st. dwellings	23	138,967
2-st. flats	9	67,500
2-st. flats and stores...	2	20,000
2-st. apartments	6	85,250
3-st. apartments	1	25,000
1-st. stores	8	11,120
1-st. schools.....	2	8,500
1-st. comfort stations..	2	6,349
1-story warehous	1	3,000
1-story office.....	2	500
1-story greenhouse....	1	400
1-story shop	2	5,800
1-st. congrete garages.	5	51,200
1-story concrete church	1	17,000
1-story concrete stores	1	20,000
1-story brick garages..	3	33,100
1-s. brick boiler room.	1	350
1-story brick service station	1	1,200
1-story brick stores and garage	1	25,000
Brick vault.....	1	500
Brick additions	2	10,750
1-st. tile dwelling....	1	4,000
1st. tile service station	1	500
1-story tile garage....	2	10,750
1-story tile shop.....	1	8,000
8-story steel frame office building	1	318,500
1-st. steel serv. station	1	1,400
1-st. garages	196	32,410
Tank frame	1	150
Platfrom	1	1,000
Electric signs	14	4,110
Roof signs	1	250
Marquees	1	500
Additions	93	47,894
Alterations and repairs	110	67,971
Total	772	$1,850,160
Summary		
New construction	662	$1,782,189
Alterations and repairs	110	67,971
Total	772	$1,850,160

BUILDING CONTRACTS

FRESNO COUNTY

$5,000 and Over Reported

DWELLING
NO. 962 ROOSEVELT AVE., Fresno. Dwelling.
Owner—C. L. Sayler, 3734 Illinois St., Fresno.
Architect—None.
Day's work. $5500

APARTMENTS
NO. 651 CAMBRIDGE AVE., Fresno. Apartment house.
Owner—Alice D. Bryant, Fresno
Architect—None.
Contractor—Yarnell & Garges, 1026 S-Fourth St., Fresno $16,000

DWELLING
NO. 3561 KIRCKHOFF AVE., Fresno Dwelling.
Owner—Theo Anderson, 371 Blackstone St., Fresno
Architect—None.
Contractor—C. E. Buckmaster, 1712 Lewis St., Fresno $5500

DWELLINGS
NO. 950-952-954 DIVISADERO ST Fresno. Three dwellings.
Owner—F. L. Montague, 954 Divisadero St., Fresno.
Architect—None
Contractor—O. D. Atkins, 3338 Lowe St., Fresno. $2800 each

STORE
NO. 132 N-FIRST ST., Fresno. Store.
Owner—Wm. Eiseman, 126 N-First St Fresno.
Architect—None.
Day's work $7000

APARTMENTS
NO. 1308-10 LINDEN ST., Fresno. Apartment house.
Owner—E. J. Farr, 245 Forthcamp St., Fresno.
Architect—None.
Day's work. $7000

DWELLING
NO. 3611 PLATT AVE., Fresno. Dwlg.
Owner—Fallgren Sisters, Fresno.
Architect—None.
Contractor—O. D. Atkins, 3338 Lowe St., Fresno $5000

DWELLING
NO. 627 WELDON ST., Fresno. Dwlg.
Owner—Mary J. Fitzgerald, Fresno.
Architect—None.
Contractor—Roy Martin, Olive and Nursery Sts., Fresno. $5759

DWELLING
NO. 1129 POPLAR AVE., Fresno. Dwlg.
Owner—M. A. Mason, Butler and 12th Sts., Fresno.
Architect—None.
Contractor—Jolly & Jolly, 1801 Belmont St., Fresno. $6000

ADDITIONS
NO. 711 P ST., Fresno. Additions.
Owner—Western Meat Co., Premises.
Architect—None.
Day's work. $7000

DWELLING
NO. 1062 POPLAR AVE., Fresno. Dwelling.
Owner—Mary A. Raumage, Fresno.
Architect—None.
Contractor—Prichard Bros, 623 Ferger St., Fresno. $8500

APARTMENTS
NO. 1537 WISHON AVE., Fresno. Apartment house.
Owner—G. C. Smith, 352 Inez St., Fresno.
Architect—None.
Contractor—Roy Martin, Olive and Nursery Sts., Fresno. $16,000

FLATS
NO. 1473-1479 WISHON AVE., Fresno. Flat building.
Owner—Bertha E. Brown, Fresno.
Architect—None.
Contractor—L. S. Peletz, 128 E-Fremont St., Fresno. $16,000

ALTERATIONS
NO. 2033 FRESNO ST., Fresno. Alter cafeteria.
Owner—W. Whedson, Fresno.
Architect—None.
Day's work $8000

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted

April 29, 1922—LOTS 18 AND 19 BLK 2, Bartlett Heights, Fresno. E A Nichols to whom it may concern .....April 28, 1922

April 29, 1922—LOTS 19 AND 20 BLK 5, Recreation Park, Fresno. J M McClelland to whom it may concern.....April 29, 1922

April 28, 1922—LOTS 29 and 30 BLK 6, Dear Park, Fresno. J A Bonden to whom it may concern.....April 19, 1922

April 28, 1922—LOTS 12 AND 13 BLK 12, Roeding Addition, Fresno. Fred L Rish to whom it may concern... .....April 26, 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount
April 29, 1922—LOT 32 Normal Villa Tct, Fresno. John Riggs vs Annie Brash $79
April 29, 1922—LOTS 44 AND 45, Weihe Home Tract, Fresno. L Rosenberg vs John C Silva.....$178
April 27, 1922—LOTS 29 AND 30 BLK 6, Dean Park, Fresno. Madary's Planing Mill Co vs J A Bondon..$199
April 28, 1922—LOTS 27 AND 28 BLK 98, Fairmont Division, Fresno. C S Pierce Lumber Co vs S F Fresno Land Co, A Brucia and Joe Juisto.$69

BUILDING CONTRACTS

$2,500 and Over Reported

SACRAMENTO COUNTY

ALTERATIONS
SEVENTH AND K STS., Sacramento. Alterations and additions.
Owner—U. S. Government, Washington, D. C.
Architect—None.
Contractor—Wm. Murcell, 527 Oelsner Bldg., Sacramento. $7280

DWELLING
NO. 1025 FORTY-SEVENTH ST., Sacramento. One-story 5-room dwelling and garage.
Owner—Wright & Kimbrough, 817 J St., Sacramento.
Architect—None.
Day's work. $2950

FLATS
NO. 1233-35 T ST., Sacramento. Two-story (4) flats, 4 rooms each.
Owner—H. L. Mee, 2120 13th St., Sacramento.
Architect—None.
Day's work. $8000

DWELLING
NO. 3741 SIXTH AVE., Sacramento. One-story 4-room dwelling and garage.
Owner—Chas. Fitzpatrick, 3749 6th Ave Sacramento.
Architect—None.
Contractor—E. T. Maultby, Sacramento. $2625

SERVICE STATION
NO. 531 I ST., Sacramento. Gas and oil service station.
Owner—Southern Pacific Co., Sacramento.
Architect—None.
Contractor—Standard Oil Co., 34th and Stockton Blvd., Sacramento. $3000

DWELLING
NO. 1948 THIRTY-FIFTH ST., Sacramento. One-story 5-room dwelling and garage.
Owner—Anna E. Williams, 4212 San Benito Ave., Sacramento.
Architect—None.
Day's work. $2900

STORE
NO. 2801 P ST., Sacramento. One-story store.
Owner—R. E. Conley, 2931 P St., Sacramento.
Architect—None.
Contractor—C. F. Smith, 1065 44th St., Sacramento. $4800

DWELLING
NO. 2154 PERKINS WAY, Sacramento. One-story 5-room dwelling.
Owner—O. Steinbrennen, 2140 Perkins Way, Sacramento.
Architect—None.
Day's work. $2500

DWELLING
NO. 1409 THIRTY-SIXTH ST., Sacramento. One-story 5-room dwlg.
Owner—E. L. Shepard, 1718 11th St., Sacramento.
Architect—None.
Contractor—W. P. Cippa, 2560 27th St., Sacramento. $3750

DWELLING
NO. 3017 I ST., Sacramento. One-story 5-room dwelling.
Owner—J. L. Eirich, 3026 H St., Sacramento.
Architect—None.
Contractor—Herndon & Finnigan, 1817 17th St., Sacramento. $4300

DWELLING
NO. 2600 U ST., Sacramento. Two-story double dwelling (6 rooms and 5 rooms and garage).
Owner—Mrs. Eva H. Francis, Sutter School, Sacramento.
Architect—None.
Contractor—L. C. Vertrees, 1611 38th St., Sacramento. $7000

DWELLING
NO. 3401 TWELFTH ST., Sacramento. One-story 6-room dwelling.
Owner—H. M. Budd, 3431 12th St., Sacramento.
Architect—None.
Contractor — Menardi & Everett, 1464 51st St., Sacramento. $3300

DWELLING
NO. 3162 FOURTH AVE., Sacramento. One-story 5-room dwelling.
Owner—Clyde M. Baldwin, 816 E St., Sacramento.
Architect—None.
Contractor—W. L. Chatterton, 1032 42d St., Sacramento. $4000

DWELLINGS
NO. 1041-1049 SANTA BARBARA ST., Sacramento. Two one-story 5-room dwellings and garages
Owner—Mrs. M. Deckelman, 1418 14th St., Sacramento.
Architect—None.
Contractor—P. Opdyke, Route 1 Box 60-A Sacramento.
$4100 and $4260 respectively

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
April 17, 1922—LOT 6, Claremont Tct. Sacramento. Agnes M and Louis D Ehret to whom it may concern .....April 15, 1922

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

$2,500 and Over Reported

RESIDENCE
E-ADAMS ST., Stockton. Residence and repairs.
Owner—S. Risso, 1958 E-Lafayette St., Stockton.
Architect—None.
Day's work. $4615

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SHOP
S-CENTER ST., Stockton. Machine shop.
Owner—Marciso E. Davis, Stockton.
Architect—None.
Day's work. $1000

ADDITION
NW OR OF THE INTERIOR OF W-North St. and Sacramento Road. (N Madison St. produced), Stockton All work for addition of 8 rooms to the El Dorado School building.
Owner—Board of Education of the City of Stockton.
Architect—None.
Contractor—Shepherd & Riley, 303 Yosemite Bldg., Stockton
Filed Apr. 28, '22. Dated Apr. 17, '22.
TOTAL COST, $64,319
Bond, none. Limit, 120 days from date. Forfeit, none. Plans and specifications filed.

ADDITION
EL DORADO SCHOOL, Sacramento Rd., Stockton School addition.
Owner—Board of Education.
Architect—None.
Day's work. $64,000

RESIDENCE
SAN JOSE ST., Stockton. Residence and garage.
Owner—Gordon & Stewart, Stockton.
Architect—None.
Day's work. $9700

OFFICE BLDG.
N-SUTTER ST., Stockton. One-story office building.
Owner—Eaton & Buckley, 238 E-Main St., Stockton.
Architect—None.
Day's work. $10,000

RESIDENCE
S-SAN JOAQUIN ST., Stockton. Residence.
Owner—Mrs. E. W. Kennedy, 1032 S-San Joaquin St., Stockton
Architect—None.
Day's work. $5400

OFFICE BLDG.
N-CALIFORNIA ST., Stockton. Office and retail building.
Owner—Otto Kern, 37 N-California St., Stockton.
Architect — Davis-Heller-Pearce Co., Delta Bldg., Stockton.
Contractor — Davis-Heller-Pearce Co., Delta Bldg., Stockton . $20,000

BUILDING CONTRACTS

SANTA CLARA COUNTY

$1,000 and Over Reported

MOVE DWELLING
PALO ALTO. All work for moving two-story dwelling and putting in place.
Owner—Mrs. Mary E. Allen, Palo Alto.
Architect—None.
Contractor—E. Anderson, Palo Alto.
Filed Apr. 26, '22. Dated Apr. 10, '22.
Building set on property.. ...$1000
All work completed..... 3000
TOTAL COST, $4000
Bond, $2000. Sureties, Carl Lindholm and F. O. Pearson. Limit, July 1 1922. Forfeit, none. Agreement filed.

COTTAGE
THIRTEENTH AND WASHINGTON Sts., San Jose. Six-room cottage.
Owner—Peter Pingel, 23 N-First St., San Jose.
Architect—None.
Contractor—W. A. Hinds. $2900

ADDITION
WASHINGTON SQUARE, San Jose. Addition to gymnasium.
Owner—State of California.
Architect—None.
Day's work. $2000

GARAGE, ETC.
SIXTEENTH AND SAN FERNANDO Sts., San Jose. Garage and temporary living apartments.
Owner—R. S. Wilkins, 532 N-17th St., San Jose.
Architect—C. Kingdom.
Contractor—Kingdom & Youngken. $1660

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
May 3, 1922—SAN JOSE. Hiram Thompson to whom it may concern.....May 2, 1922
May 3, 1922—SAN JOSE. J C O'Neil to whom it may concern.Apr. 29, 1922
May 2, 1922—SAN JOSE. Louis Bruch to A J Bower.....May 2, 1922
May 1, 1922—SAN JOSE. Joseph Larsen to whom it may concern .....April 19, 1922
May 1, 1922—HESTER PARK TCT., San Jose. A K Burkett to whom it may concern.....April 29, 1922
May 1, 1922—SAN JOSE. Laurence Lewis to whom it may concern... .....May 1, 1922
April 28, 1922—SAN JOSE. Nellie G Henning to P T Jorgensen..... .....April 25, 1922
April 29, 1922—SAN JOSE. R T Souther to whom it may concern .....April 27, 1922
April 26, 1922—SAN JOSE. J E Gustafson to whom it may concern... .....March 20, 1922
April 26, 1922—SAN JOSE. Gertrude Donovan to Geo Lindbloom..... .....April 25, 1922
April 26, 1922—SAN JOSE. Charles Nicora to M Perino....April 24, 1922
April 26, 1922—LOS GATOS. Leland H Walker to J Earle McComps... .....April 26, 1922

RELEASE OF LIENS

SANTA CLARA COUNTY.

Recorded Amount
May 2, 1922—LOT 4 BLK 1 of the C. H. Caldwell Sbdvn, Santa Clara. Pacific Mfg Co to C E Bacon, Antonio and Celestine Vivaldo...$200.25

BUILDING CONTRACTS

SAN MATEO COUNTY

HEATING
LOT 53, ETC. Laurel Creek Farm, Berresford. Steam heating for hospital
Owner—County of San Mateo.
Architect—Will H. Toepke, 912 Market St., San Francisco.
Contractor—J. F. McGowan, 150 A St., San Mateo.
Filed —, 22. Dated —, '22.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $29,160
Bond, $15,000. Surety, Fidelity Deposit Co of Maryland. Limit, 130 days. Forfeit, $20. Plans and specifications filed.

BUNGALOW
LOCATION NOT STATED. All work for one-story bungalow.
Owner—James Doherty.
Architect—None.
Contractor—Thomas J. Broderick, 1528 Cypress St., Burlingame.
Filed May 2, '22. Dated Apr. 24, '22.
Frame up and roofing on.....$1000
Plastered..... 1000
Completed..... 1000
Usual 35 days..... 500
TOTAL COST, $3500
Bond, none. Limit, before July 24, 1922. Forfeit, none. Plans and specifications filed.

RESIDENCE
LOT 8 BLK B, Paris Park near Menlo Park. All work for one and one-half-story residence.
Owner—F. S. Frier, San Francisco.
Architect—Birge M. Clark, 4 Cabrillo St., Palo Alto.
Contractor—Anton Jensen, Palo Alto.
Filed May 2, '22. Dated Apr. 29, '22.
Frame completed.....$872.25
Exterior mill work and plumbing completed..... 872.25
Completed..... 872.25
Usual 35 days..... 872.25
TOTAL COST, $3489.00
Bond, $1744.50. Sureties, H. G. Jensen and H. S. Nissen. Limit, 75 working days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
May 1, 1922—LOT 11 BLK 12, Easton No. 1, Burlingame. Lillian Gertrude MacBain to Nelson & Shirkey .....Aphil 22, 1922
May 1, 1922—PTN BLK 7, Burlingame. Eliza M Wickline to whom it may concern.....April 29, 1922

BUILDING CONTRACTS

CONTRA COSTA COUNTY

DWELLING
S-STATE ST., bet. 42rd and 45th Sts., Richmond. One-story frame dwlg.
Owner—L. Roscoe, 49 Elm St. San Francisco.
Architect—None.
Contractor — N. E. Anderson, 2030 Roosevelt St., Richmond. $2000

DWELLING
TWELFTH ST., bet. Roosevelt and Clinton Sts., Richmond. One-story frame dwelling.
Owner—H. C. Kastin, 26 Roanoke St., Richmond.
Architect—None.
Contractor — N. E. Anderson, 2030 Roosevelt Ave., Richmond. $3600

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BUILDING CONTRACTS

CONTRA COSTA COUNTY

FRAME FLATS
S BISSELL ST., bet. 6th and 7th Sts. Richmond. Two-story frame (2) flat building.
Owner—B. Malik, 611 Macdonald Ave., Richmond.
Architect—None.
Contractor—P. M. Sanford, Box 1061 Richmond. $7000

The Observer.

(Continued from Page 4)

The municipal lighting system at Redding, Cal., is prosperous. The city trustees have transferred $2000 more from the lighting fund to the general fund. This makes $8000 repaid out of $10,000 borrowed from the general fund last December when the system was purchased for $57,000.

Chas. A. Luning, son of County Surveyor W. F. Luning of Tehama county, will be a candidate for that office at the coming election. Luning Sr. will retire after thirty-two years' service.

Building is active in Richmond. City Building Inspector Wierda during the month of April issued 33 permits for improvements totaling $64,731; of these eight were for residences with a total valuation of $46,600, and three busines buildings costing $11,000.

Bedding rolls, camp kits, dunnage bags, and other accessories of outdoor life are being assembled by engineering students at the University of California preparatory for the annual summer School of Surveying at Swanton, Cal., May 18 to June 15. One hundred students already have signified their intention of attending the school.

Roy A. Murray, promotion secretary of the Y. M. C. A. of San Francisco, has been elected secretary of the California Highway Commission to take the place of John F. Galvin of Richmond who resigned to become a member of the State Civil Service Commission. Murray has had extensive experience in work similar to that he will undertake as secretary of the California Highway Commission. The appointment is effective June 1.

DAILY
PACIFIC BUILDER

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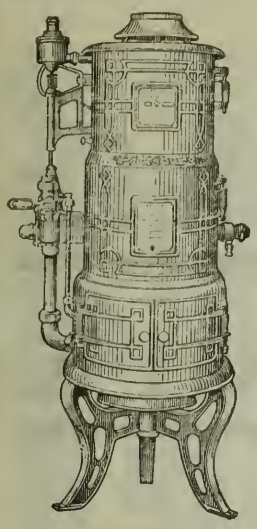

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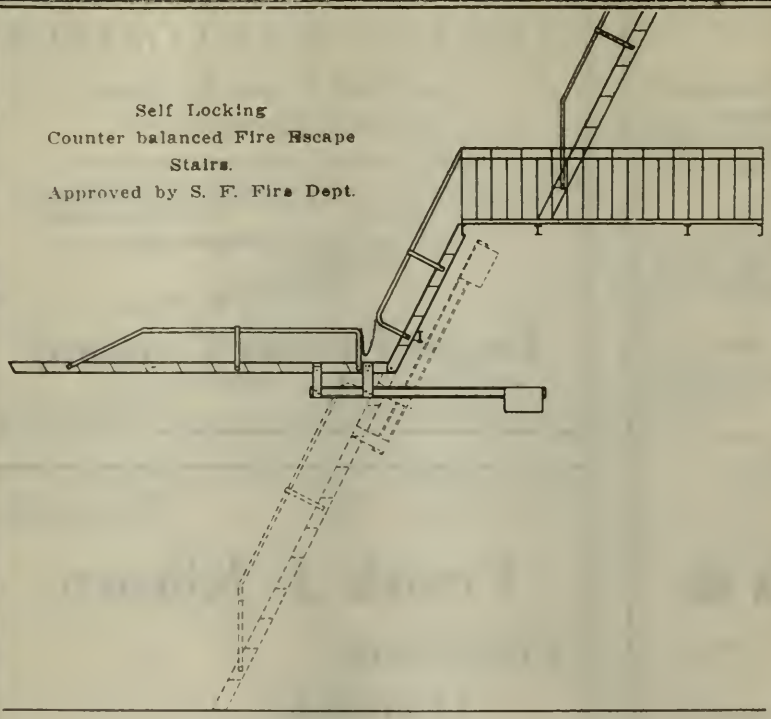

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SAN FRANCISCO, CALIF., MAY 13, 1922

Published Every Saturday
Twenty-second Year No. 19

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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J. P. FARRELL, Managing Editor

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Preliminaries to Organize American Construction Council are Completed

Preliminary arrangements were completed in Washington May 3 for the organization of the American Construction Council when Secretary of Commerce Hoover agreed to accept the chairmanship of the organization meeting to be held in Pittsburg, June 19. Franklin D. Roosevelt, of New York, formerly Assistant Secretary of the Navy, has consented to accept the presidency of the organization.

The purpose of the Council is to place the construction industry on a high plane of integrity and efficiency and to correlate the efforts toward betterment made by the existing organizations, through a conference association representative of the whole industry renders to communities, states and nation.

All branches of the indusry are represented in the new body and have been divided into the following groups each with equal voting power: Architects, engineers, general contractors, sub-contractors, construction labor, material and equipment manufacturers, material and equipment dealers, financial, bond and real estate interests, public utility construction departments, and the construction divisions of Federal, State and municipal governments.

So far as is known, this is the first time in the history of American industrial development that any industry has been represented by an organization in which all the elements have been brought together for the mutual interest of the industry and the public.

This action is the culmination of many efforts that have been made in recent years to solve the difficult problems thrown on the industry by reason of its size and complexity and the accumulation of constuction due to the cessation of building activities during the war. The immediate inspiration for the movement has come from the interest displayed by Mr. Hoover in the industry and his belief in the importance of its revival for the awakening of business activity. In acepting the chairmanship, Mr. Hoover emphasized the need for an all-embracing organization such as the Council, and pointed out that if it had been in existence before the present depression, it would have been invaluable in furnishing to the public unbiased facts pertaining to the different phases of construction, thus probably winning for the industry the confidence of the public.

The organizers of the Council are planning to take up a number of important lines of work, among them the following: Code of Ethics for the industry, development of a national building code, a research and statistical bureau, lengthening of the construction season, elimination of waste, standardization and dimensional simplification, development of apprenticeship systems, and encouragement of local study and better understanding of building situations.

E. J. Russell, of the Executive Committee of the American Institute of Architects, has been chairman of the preliminary meetings, and the organizing work is in the hands of a committee consisting of the secretaries of the American Institute of Architects, the Federated American Engineering Societies, the Building Trades Department of the American Federation of Labor, the National Federation of Construction Industries, the National Lumber Manufacturers' Association, and the General Manager of the Associated General Contractors of America.

STATE HIGHWAY COMMISSION WILL MAKE BRIDGE SURVEY

The project of bridging the lower end of San Francisco Bay has approached a step nearer realization. The State Highway Commission has agreed to undertake a preliminary survey for a crossing that will provide an outlet for traffic from San Francisco and the peninsula to the San Joaquin and Sacramento Valleys. The survey will be made with $100,000 that has been found available in state funds. The survey is to be made immediately and will be an all-inclusive study of Dumbarton Point, Coyote Point and other similar locations for the purpose of determining the most feasible crossing area.

The decision of the Highway Commission is based upon the availability of fund appropriations still remaining in statu quo in the state treasury. The highway district act of 1918, which gave counties the right to form highway improvement districts and levy assessments, carried a companion provision which appropriated $250,000 for the purpose of making surveys. A portion of this amount was used in the Skyline Boulevard project and other developments.

ARCHITECTS FOR STOCKTON'S MUNICIPAL AUDITORIUM SELECTED

Architects L. S. Stone, W. J. Wright and Glen Allen, as a firm, have been selected by the Stockton City Council to prepare plans and specifications for the proposed municipal auditorium to be erected on the block bounded by Fremont, Commerce, Oak and Center streets. The architects will receive for their work 6 per cent of the cost of the structure. Bonds to finance construction have been voted, and every effort will be made to have the building completed in record time.

SAN JOSE LUMBER COMPANY SUES LABOR UNIONS

The S. H. Chase Lumber Company of San Jose has filed suit in the Superior Court against the following unions: Millmen Local No. 262, Shippers and Packers' Local No. 1; Lumber Handlers, General Teamsters, Material Teamsters, Brotherhood of Painters, Decorators and Paper Hangers, Local No. 507; Building Trades Council of Santa Clara, and co-defendants designated in the complaints as Does. The allegation is made by the plaintiff corporation that the labor unions and each of them conspired, confederated and combined amongst themselves and with the Building Trades Council and its members, and with various persons sued herein by the fictitious names of Doe, and will continue to conspire, confederate and combine amongst themselves and with other persons to devise ways and means an methods for impending plaintiff in the conducting and trasacting of its business and by threats and assaults and intimidation upon the employes who took the place of strikers. Judgment is asked for restraining order and that damages be awarded in the sum of $5000, which judgment shall bind the joint property of the party or parties of all the associations and the individual property of the members of said associations.

PETITION TO END LUMBER STRIKE CIRCULATED

A concerted effort by operators and business men to end the lumber strike is seen in the petition being circulated at Klamath Falls, Ore., which subscribes to the nine-hour day as necessary to an immediate resumption of the industry, protection of all persons desiring to work and the establishment of the American Plan in all business and industry.

It is pointed out in the petition that unless the citizens take some action to end the strike, it will lead to a whole season of idleness and stagnation and that if lumber is not sawed during the summer the box factories cannot operate during the winter. The petition denounces paid union agitators, holding them responsible for the continuance of the strike.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

According to statistics compiled by the Copper and Brass Research Association of New York, the annual repair bill of home owners in this country will this year amount to $540,041,769 for one item alone—the replacement of rusted sheet metal work, including leaders and gutters, valleys and flashings. It is estimated that there are in use in this country at the present time 5,175,000,000 feet of leaders and gutters, and that about one billion feet is renewed annually. The cost of replacement of rusted iron and steel pipe in plumbing is placed at $86,500,000 annually, making a total annual rust bill of approximately $626,500,000.

Resolutions have been adopted in Chicago calling a renewed strike of the 61,000 building trade workers in that city. The date set is May 22. The strike is declared to become effective unless in the interim building contractors give up their efforts to operate some of the trades in the "open shop" basis and cease to hire non-union workers to take places of men belonging to the unions who refuse to accept the Landis award. There are twenty unions of the Building Trades Council whose members are working under the provisions of the Landis award. Twelve unions in the council refused the Landis award.

Building operations in the United States increased 32 per cent in 1921 over the previous year, according to a report of the department of labor. Wholesale cost of building materials decreased 38 per cent in the same period, and the average total cost of one-family dwellings was $4,314 in 1920, compared with $3,925 in 1921. Construction of one family dwellings increased 71 per cent in 1921, two family dwellings, 211 per cent, and multi-family houses (apartments and tenements) 204 per cent. Permits issued in 1921 were estimated to provide for 125 per cent more families than those issued in 1920. The statistics were based on reports from 140 cities.

In March 3,784,136,000 kilowatt hours of electricity were produced by public utilities throughout the United States, of which 1,437,810,000 kilowatt hours were produced by water power and 2,346,326,000 by consumption of fuel. California, producing 278,230,000 kilowatt hours, led in producing electrical energy by water power; Pennsylvania, producing 329,055,000 kilowatt hours, led in production by use of fuel. Fuel used in the production required 2,710,141 tons of coal, equivalent to 87,000 tons a day, and 977,716 barrels of fuel oil and 1,609,887,000 cubic feet of natural gas.

The Kuiskern Co., of Chicago, is building homes for those who own lots for $1995. It is a simple home, intended, to be sure, for the family which can afford only that much. Plans provide for a 9x9 bedroom, a combination living room and dining room 9x18, a kitchenette, a bath room and one closet. The house will have both electricity and gas, and the price includes the fixtures. An additional unit, 10x10, can be added for $700, or a large one 20x20 for $1000.

Organization of the Westgate Metal Products Co., capitalized at $2,500,000, with the principal place of business Oakland, Calif., has been perfected. The company will engage in the manufacture of castings, tools, fixtures, electric utensils and other metal products. Shares are placed at $10 each and the following directors have subscribed one share each: A. T. Burch, Oakland; B. I. Marshall, San Francisco, A. L. Stedebaker, Oakland; D. S. Riggs, Oakland; E. M. Burch, Berkeley, Anton Weber, Oakland and John H. Shaw, San Francisco.

Albert Givan, city engineer of Sacramento, is preparing to send engineers into the field to investigate the feasibility of the Silver Creek project in El Dorado county as a municipal hydro-electric system. It is possible that H. L. McCready of the State Engineering Department will head the party. The project contemplates the development of 100,000 horse power by three storage reservoirs and power houses, located about sixty miles from Sacramento. Preliminary estimates place the cost at $8,000,000.

The American Lumberman, Chicago, says: "The lumber market continues brisk, with steadily increasing demand particularly for soft woods. Flood conditions in the South have seriously impeded hardwood production and undoubtedly will later cause considerable shortage of stock. Prices of soft woods are firm, with advancing tendency. Hardwood prices remain practically stationary.

The Interstate Commerce Commission has granted a permit to the Oregon Short Line Railroad Company to extends it Homedale-Idaho branch for a distace of seven and a half miles. The terminus of the new line will be Marsini, Idaho, and about 20,000 acres of irrigated land will be served by the extension. The project will cost $211,000.

The bill under which Federal Farm Loan Banks would be authorized to make loans on the unencumbered value of lands on United States reclamation projects has been sent to President Harding for approval. The House with little debate adopted the conference report, already adopted by the Senate. About 1,560,000 acres of land, comprising twenty-eight projects, will be available for loans under the act.

Chas. H. Holmes, president, and Fred Bowers, secretary of the Santa Rosa Building Trades Council, in an address before members of the San Francisco council, declared that labor disturbances in their city have been practically settled and that all organized labor men were working on union jobs and under union conditions.

Arnold Pfau, consulting engineer with the hydraulic department of the Allis Chalmers Company, is a visitor in San Francisco, having come to the Pacific Coast to look over the Hetch Hetchy project. According to Pfau, his company has just received an order for three 18,000 horsepower turbines for installation in Japan.

Among examinations to be held by the U. S. Civil Service Commission in the immediate future are listed: Road Foreman (mountain road and trail construction), $190 a month, vacancy in the Forest Service, San Francisco; Sheet Metal Worker, $1600 per annum, vacancy in Quartermaster Service in San Francisco general intermediate depot, Fort Mason.

The strike of box factory workers which paralyzed the lumber industry at Dorris, Siskiyou County, since March 1, ended May 8 with the resumption of operations by the Associated Lumber and Box Factory Company and the Dorris Lumber Company plants. The factories resumed on a nine-hour basis.

Bothered by his conscience for more than twelve years, a Sacramento contractor has forwarded a check for $15 to the Southern Pacific Company in payment for tools he appropriated for his own use while tearing down a building on the company's lines in 1909.

Products and materials manufactured in Richmond and vicinity will be featured in the rooms of the Builders' Exchange of Richmond, according to an announcement of L. C. Dexter, Secretary of the Exchange. A feature of the display will be the products of the Richmond Pressed Brick Company.

More than 60 per cent of the construction begun in Oakland during April was for housing and 46 per cent of the permits issued were for one-story homes. Building permits issued during the month totaled $1,782,189. Of this amount $1,161,606 will be spent for homes of various kinds.

Federal aid roads completed since 1916 totaled 11,017 miles on March 31, 1922, an increase of 8016 miles during the preceding twelve months, according to the Bureau of Public Roads. The general average cost per mile for the United States was $17,120.

Geo. S. Selb, secretary of the Bricklayers, Masons, Plasterers, Cement finishers and Tile Layers Union at Bakersfield, denies that Local No. 3, that city, has entertained a proposal to withdraw from the Kern County Building Trades Council.

The Bay Counties "Save the Surface" Committee has completed preliminaries for an extensive campaign to be undertaken in the counties of San Francisco, Alameda Contra Costa, San Mateo, Sonoma and Santa Clara. The campaign starts May 15.

The Roman Paint Co., has secured the contract to treat with Master Builders Company Sanisealt Liquid Hardener 250,000 square feet of cement flooring in the Durant Motor Company's new assembling plant in Oakland.

Where prices are the same and quality equal, preference will be shown to Alameda county manufacturers in the purchase of materials for county use, according to a decision of the Alameda County Supervisors.

Contracts for street improvements by the San Diego city council since the first of the year total $540,000.

ALONG THE LINE

Hubert C. Perry, vice president of the Los Angeles Chapter, American Association of Engineers, has been appointed national director of the association for the second district, comprising California and Nevada.

E. E. Mayo, formerly Division Engineer for the Southern Pacific Co., at Portland, Ore., has been transferred to fill a similar position at Sacramento. Hampton, formerly assistant division engineer at Portland, succeeds Mayo.

Stanislaus County Board of Trade and Oakdale Chamber of Commerce are backing movement to call election to vote bonds of $1,400,000 to finance completion of highway system.

George F. Cotterill, former mayor of Seattle and civil engineer, has been elected a member of the Seattle Port Commission, succeeding Dr. W. T. Christensen, retired.

W. E. Martin, prominent in Eastern marine circles, will represent the Westinghouse Electric and Manufacturing Co. on the Pacific Coast with headquarters in San Francisco.

The city of Napa proposes to issue bonds of $300,000 to purchase and improve the water system of the Napa City Water Company. The city places the value of the works at $240,000.

The Vallejo Builders' Exchange has leased larger quarters in Sacramento street, and after extensive improvements are made will maintain permanent offices at that location.

M. H. Merry formerly with the California State Highway Commission, has resigned to accept a position with the U. S. Bureau of Public Roads.

The fifth annual convention of the American Association of Engineers will be held in Salt Lake City, Utah, June 5, 6 and 7.

Petitions being circulated in Placer County seeking formation of Roseville Irrigation District comprising 40,000 acres.

The construction of two new kilns is under way at the plant of the San Pablo Pottery Company in Contra Costa county.

The Vallejo City Council has authorized the purchase of 800 water meters at a cost of approximately $10,000.

W. B. Barratt of Heppner has been reappointed a member of the Oregon State Highway Commission.

The Coast Paint Co. of Oakland has opened a branch office at Vallejo with Hugh E. Baker of Vallejo in charge.

A million dollar Methodist Church, seating 2000 persons, will be erected in Pasadena.

Alameda County Builders Banquet--- To Organize Industrial Association

Nearly four hundred of the builders of Alameda County and their guests gathered at the Hotel Oakland May 10 for their annual banquet. The American Plan and what its adoption meant to the public was the keynote of the evening.

Over twenty of the leading business organizations and Chambers of Commerce of Alameda County were represented. The Builders' Exchanges of San Jose, Vallejo, Santa Rosa, Stockton, Petaluma, Richmond, Sacramento and San Francisco were also represented by their offices and members.

W. E. Whalin, president of the Builders' Exchange of Alameda County, delivered the address of welcome, and quoted figures showing how the building activity in Alameda County has increased under the American Plan, and that the public has benefited by its adoption through the reduced cost of construction. He reported that the Exchange now had a membership of three hundred and fifty, and introduced Mr. L. C. Fraser as chairman of the evening.

Among the speakers were Charles W. Gompertz president of the State Federation of Builders' Exchanges; W. H. George, president of the San Francisco Builders' Exchange; Max J. Kuhl, counsel for the Industrial Association of San Francisco; Harrison S. Robinson, chairman of the Industrial Relations Committee of the Chamber of Commerce, and Joseph King, president of the Oakland Chamber of Commerce.

Mr. Kuhl, in his remarks, pointed out the fundamental principles of the American Plan and what its adoption meant to the American boy by affording an opportunity for all to work, and for the American boy to learn a building trade.

Mr. Harrison S. Robinson, in reviewing the activities of the Industrial Relations Committee of the Chamber of Commerce and its assistance rendered to the American Plan in Alameda County, announced that a meeting would shortly be called of the leading business men of the community for the purpose of forming a permanent industrial association to secure law and order in the community, and promote the welfare of employer and employe alike. He pointed out the necessity of fair dealing with labor on the part of the employers, and the necessity of all being given an opportunity to work irrespective of any labor affiliation. Mr. Robinson announced that this meeting would be called at an early date and an industrial association organized at that time.

Mr. King, as president of the Chamber of Commerce, commented on the success of the evening and the interest shown by the leading merchants by their presence, pointing out the need of an effective industrial association in Oakland as a body formed for the specific purpose of promoting the industrial welfare of the community.

The ushers were garbed in "Uncle Sam" costumes, emblematic of the American Plan, and many novel, high class entertainment features were introduced. The banqueters adjourned at 11 o'clock, after what is admitted to be one of the most successful banquets ever held by any organization in Alameda County.

LUMBER CONGRESS ADOPTS STANDARDS

Adoption of a resolution placing self-imposed "Pure Food Law" on the lumber industry marked the closing session of the manufacturers, retailers and wholesalers attending the fourth American lumber congress at the Congress Hotel.

At the same time, the lumbermen passed a resolution favoring the repeal of the Adamson law and all legislation interfering with the railroads in dealing directly with their employes on questions covering wages and working conditions. They blamed such legislation for the high freight rates which have caused soaring building costs.

Ninety-five per cent of the big lumber manufacturers, wholesalers and retailers operating in the United States were represented at the meeting.

The so-called "Pure Food Law" provides for the branding of every piece of lumber manufactured in the United States. It also favors the standardization of all lumber and building products so that the retailers or contractor purchasing the lumber will know just what he is going to get when he places an order.

On each piece of lumber will be the grade and the district where it was manufactured. Retailers will know by the district in which the lumber was manufactured just what sizes to expect when a certain grade is ordered.

These rulings are in a direct line with the recommendations made the first of the week by Herbert Hoover, Secretary of Commerce, when he spoke in Chicago. Wilson Compson, manager of the National Lumbermen's Association, said that they will put a stop to certain shady practices which have crept into some sections of the industry and show the Government that we intend to clean house ourselves.

Under the standardization rules, it will be hard for a manufacturer, even if unscrupulous, to deliver inferior lumber when a good grade is ordered. There will also be savings made in the cutting down of the number and varieties.

ELECTRIC RAILWAY ASSOCIATION ELECTS OFFICERS

The California Electric Railway Association at its annual meeting in the Palace Hotel, San Francisco, May 8, elected the following officers to serve for the ensuing year. President, W. E. Dunn, vice-president Los Angeles Railway Corp., Los Angeles; vice-president, Wm. Von Phul, president Market Street Railway Co., San Francisco, treasurer, The Anglo & London Paris National Bank, San Francisco; executive board, W. E. Dunn; W. R. Alberger, vice-president Key Route; Wm. Von Phul; Paul Shoup, president Pacific Electric Railway, Los Angeles; John A. Britton, vice-president Pacific Gas & Electric Co., San Francisco. W. V. Hill continues as manager of the association

REALTY BODY TO STUDY STATE AND COUNTY HIGHWAYS

Announcement is made by the California Real Estate Association that it will make an investigation of State and County highways and a study of their costs as they affect the taxpayers of the State. The investigation will be independent of those made by the State Automobile Association and various other organizations.

C. H. Antrim, Fresno real estate man, has been appointed Chairman of the Realty Association's Committee on Highways. Antrim outlines the plan for the investigation as follows:

We propose to make a general survey of the highways in California from the viewpoint of the average citizen.

We intend to figure the cost of the present bonded indebtedness and how that cost will be distributed over the period of the bond. We plan to find out the cost of upkeep on the different types of highways both in the State and in counties where they have been tested out.

We propose to look into the construction work done and to be done under the Road District Improvement Act. We will look into the cost and upkeep of the city pavement. We plan to inquire into the cost of maintenance of the present highways, and the reason for these costs.

Under this plan we will consider traffic which to a large extent has to do with the breaking up of our good roads, and the sub-grade which has been the cause of so many good roads going to pieces.

MASONS AND BRICKLAYERS ARE LONG-LIVED

After investigating causes of death in 196,736 cases in twenty different occupations, the United States Department of Labor has compiled a table showing the lowest average of 36.5 years among bookkeepers and office assistants, while the highest is given at 58.5 among farmers and farm laborers.

Here is the table in its entirety:

	Av. Age at Death
Bookeepers and office assistants..	36.5
Enginemen and trainmen, railway	37.4
Plumbers, gasfitter, steam fitters.	39.8
Teamster, drivers and chauffeurs.	42.2
Machinists	43.9
Iron molders	48.0
Painters, paper hangers and varnishers	48.6
Cigarmakers and tobaco workers	49.5
Bakers	50.6
Railway track and yard workers	50.7
Coal miners	51.3
Laborers	52.8
Masons and bricklayers	55.0
Blacksmiths	55.4
Farmers and farm laborers	58.5

CHICAGO CARPENTERS WILL QUIT BUILDING TRADES UNION

Dissatisfied with the present administration of the Building Trades Council, the carpenters' union of Chicago, one of the strongest organizations, has withdrawn from the central body and will appeal to Samuel Gompers for the organization of a new building trades council. It is rumored that the plasterers' union, which has accepted the Landis wage award, will also repudiate its agreement with the citizens' committee and join the new council, if one is formed. The fact is that building is going ahead at a great rate. There is now in course of construction building projects calling for an expenditure of $71,000,000.

$2,500,000 FEDERAL AID FOR STATE HIGHWAYS

California's share in the $75,000,000 for road work which was appropriated by Congress in 1921 under the terms of the Federal aid act, under a program which has just been approved by the state highway commission, will be applied to a system of highways embracing 4447.6 miles and covering trunk lines and laterals from the Oregon line to the Mexican border and from coast cities to points in Nevada it is announced.

The allotment of this state under the terms of the Federal act totals nearly $2,500,000, which will be available during the fiscal year ending June 30, 1922.

For the purpose of benefiting by the law, the roads to which the money is to be applied have been classified under two heads—primary and secondary roads—and styled the Federal aid highway system.

According to the highway commission, the total highway mileage in California is 70,000 miles, including all sorts of roads, and out of this a so-called "7 per cent highway system" has been created by the commission in order to comply with provisions of the Federal act whereby not more than three-tenths of the mileage selected must be included in the classification of primary roads and the balance in the classification of secondary roads.

Following is a description of roads included in the 7 per cent Federal aid highway system:

Primary roads—Oregon line to San Francisco, 410 miles; San Francisco to San Diego, 499 miles; Oregon line to Sacramento, 295.6; Sacramento to Los Angeles, 357.4; San Diego to Yuma, 170.6; San Francisco to Verdi, 198; San Jose to French Camp, 84.3; Total mileage primary roads, 2014.9.

Secondary roads—Los Angeles to El Centro via San Bernardino, 203.2 miles; San Bernardino to Needles via Barstow, 240; Needles to Arizona line at Mellen, 16; route 58 near Goffs to Nevada line, 25; Big Pine to Oasis, 58.6; Oasis to Nevada line, 4.4; Red Bluff to Susanville, 107.5; Richvale Junction to Quincy, 93.4; Rosevilie to Red Bluff, 116.9; Saugus to Bridgeport, 336.1; Skyline boulevard, 62.1; San Jose to Santa Cruz, 33.1; Gilroy to Califa, 83.5; Merced to Yosemite National park via El Portal, 70.5; Ukiah to Cisco, 165; Redding to Alturas, 157.7; Alturas to Oregon line, 35; Redding to route 1 via Weaverville, 161.6; Willows to three miles north of Biggs, 32.2; Sacramento to Nevada line via Placerville, 107.9; San Lucas to Sequoia National Park via Visalia, 149; Santa Maria to Freeman via Bakerfield and Walker's pass, 200. Total mileage secondary roads, 2452.7.

CARNEGIE TECH PROFESSOR IS HONORED

Professor Harry Sternfield, acting head of the Department of Architecture at Carnegie Institute of Technology, Pittsburgh, recently received a medal and diploma awarded by the Pan-American Congress of Architects that met in Montevideo, Uruguay. The award was made in recognition of work done by Sternfield in the field of architecture.

While the Congress was in session, Sternfield was studying abroad as holder of the Paris Prize in Architecture given by the Society of Beaux Arts Architects. As the prize holder he studied in Europe for two years, at the Ecole des Beaux-Arts in Paris and at the American Academy in Rome. While in Paris, he received several medals in judgments of work submitted to the Beaux-Arts Salon. In Rome, Sternfield was engaged in research work on mosaics.

BUILDING AUTHORITY PREDICTS FAILURE OF MANY CONTRACTORS

Within the next five years 25 per cent of the lumber dealers and contractors now doing business in the United States will have failed. Such was the prediction of Frank H. Beckman, vice-president and general manager of the National Builders' Bureau at Spokane, Wash., in an address before the Builders' Exchange of Reno, Nev.

Beckman bases his prediction on the fact that lumber dealers and contractors are not applying the secrets of efficient service and salesmanship to their business. He declared that the three fundamental requisites of not only men engaged in the building of homes and subsidiary industries but every individual or corporation engaged in any particular line of business with something to sell, are courage, strength and intelligence.

Outlining the need for these three requisites, he said:

"You must have courage to know and to do what you believe the right thing; you must have the strength to take the proverbial bull by the horns and carry out your convictions in spite of all obstacles, and you must have the intelligence to understand not only your own but also the other fellow's business. Without these qualities you cannot make a success of your business."

Beckman declared that the public realize that a new price level had been reached and that a new stabilized level has been established. No contractor, material man or lumber dealer can afford to stand alone, he said. They must all co-operate for the ultimate establishmant of better business conditions. He advised the members of the exchange to do something for the prospective homebuilder in addition to drawing a rough plan and presenting an estimated cost.

The public has lost confidence in contractors because of the lax methods of doing business prevailing in that industry, according to Beckman. Competitive bidding, poor planning and poor workmanship are only a few reasons why the public has ceased to have confidence in the building industry, he averred.

FEDERAL AID ROADS FOR STATE.

Within the near future $1,465,000 appropriated by the Federal Government will be expended on California highway and road projects, according to Paul G. Redington, District Forester. Redington said that the California projects had been approved by the Secretary of Agriculture. The appropriation sets aside 20 per cent for equipment, overhead and other charges, leaving a total of $1,168,000 for construction.

The appropriation projects are as follows:

Strip of 10 miles extending south from Oregon line to Crescent City-Grant's Pass highway, $200,000.

Strip of 13 miles from Aden to Aden Summit, Modoc county, on Redding-Alturas state highway lateral, $200,000.

Strip of 11 miles from Payne's Creek region to Mineral, Tehama county, on Red Bluff-Susanville state highway lateral, $200,000.

Strip of 12 miles from west to east line of Santa Barbara Forest, Santa Barbara county, on Cuyama highway project, $200,000.

Strip of 10½ miles from Deep Creek to Bear Creek dam, San Bernardino county, on Big Bear Valley road project, $168,000.

The remainder of the appropriation will be expended for surveys for new projects and for meeting any unexpected increases in the work on the proposed projects.

Building News Section

APARTMENT HOUSES

Figures to Be Taken Next Week.
APARTMENTS Cost, $35,000
SAN FRANCISCO. Balboa St., near 18th Ave.
Two-story frame and stucco apartment (8 4-room apartments).
Owner—V. Onorato.
Architect—O'Brien Bros., 240 Montgomery.

Sub-Figures Being Taken.
APARTMENTS Cost, $20,000
SAN FRANCISCO. NE Broadway and Taylor Sts.
Three-story frame (4) apartments.
Owner—W. Buchanan, 1738 Larkin, St., San Francisco.
Architect—E. H. Denke, 1317 Hyde St., San Francisco.

Sub-Figures to Be Taken Shortly.
APARTMENTS Cost, $36,000
SAN FRANCISCO. N. Sacramento St. 161 W Franklin St.
Three-story basement and frame (6) apartments.
Owner—Milton Latham.
Architect—Milton Latham, 454 Montgomery St., San Francisco.
Figures will be taken shortly on the plumbing, heating, painting, electrical, millwork, plastering, roofing, tile, patent flues, etc.

To Be Done by Day's Work.
FLAT BLDG. Cost, $13,000
SAN FRANCISCO. SE Pierce and Green Sts.
Extensive remodeling of a three-story frame apartment and flat building.
Owner—D. S. Grant.
Architect — Henry Shermund, Hearst Bldg., San Francisco.

Contract Awarded.
APARTMENTS Cost, $13,000
SAN FRANCISCO. N Grove 120 W Ashbury.
Two-story and basement frame (4) apartments.
Owner—V. Virgilio, % Western Process Engraving Co., 76 Second St., San Francisco.
Architect — Wm. F. Gunnison, 1666 Golden Gate Ave., San Francisco.
Contractor—E. K. Nelson, 77 O'Farrell St., San Francisco.

Owner to Take Sub-Figures in a Few Days. To be Done by Day's Work.
APARTMENTS Cost, $——
SAN FRANCISCO. SE Bush and Taylor Streets.
Seven-story Class A apartment house building.
Owner—A. Penziner, 1032 Balboa St., San Francisco.
Architect—E. H. Denke, 1317 Hyde St., San Francisco.

Plans being figured
STORE & APT. Cost, $17,000
BURLINGAME, San Mateo Co., Cal. Main St.
Two-story reinforced concrete store and apartment building (2 stores and 4 3-room apartments).
Owner—A. S. Dandistel.
Architect—Ernest L. Norberg, Balboa Bldg., San Francisco.

Contracts Awarded.
APARTMENTS Cost, $60,000
SAN FRANCISCO N Bush bet. Taylor and Mason.
Five-story brick and steel apartment house (19 apartments, 2 and 3 room)
Owner—Miss Berth Basye.
Architect—Thomas Smith, 49 Elgin Park.
Contractor—Hock & Hoffmeyer and W. J. Stevens, 180 Jessie St., San Francisco.

Sub-Figures Being Taken—To be Done by Day's Work.
APARTMENTS Cost, $35,000
SAN FRANCISCO. N Clay St. 107-6 W Leavenworth St.
Three-story and basement frame (12) apartments.
St., San Francisco.
Owner—Kincanon & Perego, 159 Sutter

Contract Awarded.
APARTMENTS Cost, $13,965
SAN FRANCISCO. W Julian Ave. 125 N 16th Street.
Three-story and basement frame (6) apartments.
Owner—George and Nellie Cantus, 867 Fell St., San Francisco.
Architect—None.
Contractor—Ed. I. Coulan, 1935 Howard St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $13,000
SAN JOSE, Santa Clara Co., Cal. No. 430 S-Fifth Street.
Two-story frame apartment house.
Owner—C. C. Lewis, 329 S-Fifth St., San Jose.
Architect—None.
Contractor—Lewis & Nelson, 329 S-5th St., San Jose.

Preliminary Sketches Completed.
APARTMENTS Cost, $150,000
MT. VERNON, Wash
Three-story masonry store and apartment house, 60x120x120 (22 2, 3 and 4-room apts.)
Owner—Mt. Vernon Business Men will form building association.
Architect—Edwin J. Ivey, Pacific Blk., Seattle, Wash.

Contract Awarded.
APARTMENTS Cost, $12,000
OAKLAND. E. Park Blvd. 618 S. Wellington.
Two-story frame (16 room) apartment house.
Owner—Arthur Elliott.
Architcet—None.
Contractor—California Builders Co., 1534 Franklin St., Oakland.

Contract Awarded.
APARTMENT Cost, $53,000
FRESNO, Fresno Co., Cal. 1105-13 Divisadero St.
Apartment house.
Owner—Addelide Wallace.
Architect—None.
Contractor—M. C. R. Nelsen, 4055 Platt St., Fresno.

Sub-Contracts to Be Awarded Next Week.
APARTMENTS Cost,$18,000
SAN FRANCISCO. E Dolores 83:3 N 15th St.
Three-story frame (8) apartments.
Owner—Dr. C. Harrington Schultz, Anglo Bldg., San Francisco.
Architect—A. J. Horstmann, 303 Anglo Bldg., 16th and Mission Sts., San Francisco.

Contractor to Take Sub-Figures Shortly.
APARTMENTS Cost, $175,000
SAN FRANCISCO. SW Powell and Pine
Six-story steel frame and concrete apartment house (about 60 apts. of 2 and 3 rooms).
Owner—Oser Estate Cptn.
Architect—S. Lightner Hyman, 68 Post St., San Francisco.
Contractors & Engineers—Hayes-Oser Co., Call Bldg., San Francisco.

LONG BEACH, Cal.—W. R. Kraft, 511 E. Ocean Ave., Long Beach, has commenced excavation by day labor for a 11-story and basement Class A steel and concrete own-your-own apartment building at Linden and Ocean Ave., Long Beach; $800,000; oak floors, steam heat, cafeteria and stores in basement, H. L. Gogerty, architect engineer, 239 E. Broadway, Long Beach, prepared the preliminary drawings.

BANKS

Figures to Be Taken Next Week.
BANK BLDG. Cost, $35,000
CALISTOGA, Napa Co., Cal.
One-story reinforced concrete bank building.
Owner—Bank of Calistoga.
Architect—Jas. T. Narbett, 910 Macdonald Ave., Richmond.

Wrecking Started.
BANK BLDG. Cost, $——
OAKLAND, Cal. No. 1212 Broadway, adjoining corner 12th and Broadway.
Sixteen-story Class A bank and office building (addition adjoining present 8-story structure).
Owner—Oakland Bank of Savings.
Architect—Reed & Corbett, Oakland Bank of Savings Bldg., Oakland.
Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.

BONDS

MADERA, Madera Co., Cal.—May 27 is date set in Madera School District to vote bonds of $30,000 to purchase site and erect 2-room school building.

HANFORD, Kings Co., Cal.—Supervisors sell $65,000 bond issue of Lemoore School District; proceeds of sale to finance school improvements.

LIVE OAK, Sutter Co., Cal.—Election will be held May 29 in Live Oak School District to vote bonds of $15,000 for school improvements. Trustees of the district are: E. R. Hauck, U. S. Terry and E. J. Brill.

DINUBA, Tulare Co., Cal.—May 16 is the date set to vote bonds of $20,000 to finance construction of City Hall.

DINUBA, Tulare Co., Cal—May 16 is date set to vote bonds of $15,000 to purchase fire equipment.

OAKDALE, Stanislaus Co., Cal.—Chamber of Commerce launches movement to have county supervisors call election to vote bonds of $1,400,000 to complete county highway system. J. H. Hoskins, county surveyor.

DINUBA, Tulare Co., Cal.—May 16 is date set to vote bonds of $20,000 to complete water works system.

FRESNO, Fresno Co. Cal.—The Supervisors sell $18,000 bond issue of Orange Cove School District for premium of $666; proceeds of sale to finance school improvements.
(41826) 1st report Mar. 30; 2nd Apr.

VISALIA, Tulare Co. Cal.—Election will be called in Exhom Valley School District to vote bonds of $5,000 to replace the school building destroyed by fire. Insurance og $1750 carried on the old structure will be applied to the funds voted.

MARTINEZ, Contra Costa Co., Cal.—Trustees of Oakley School District will call election to vote bonds to finance construction of a new school building. Building will be erected on the unit plan.

ISLETON, Sacramento Co., Cal.—Bonds of $45,000 voted in Isleton School District to finance construction of a new school.

ORLAND, Glenn Co., Cal.—Plaza School District will vote May 31 on the question of issuing bonds of $14,000 to finance school improvements. Trustees of the district are: W. B. Townsend, Kirby Clark and Mrs. A. Harris.

SANGER, Fresno Co., Cal.—June 6 is tentative date set in Consolidated Irrigation District to bond for $850,000 for the purchase and improvement of Consolidated Canal Company's holdings. The property involved includes the Fowler Switch, Centerville, Kingsburg and Lone Tree canal systems, which are to be bought for $775,000 and repaired for $75,000. E. E.Giffen of Fresno is president of the Consolidated District.

BAKERSFIELD, Kern Co., Cal.—Until May 15, 10 a.m., bids will be received by county supervisors for purchase of $640,000 in bonds; proceeds of sale to finance construction of county highways. F. E. Smith, county clerk.

SAN FRANCISCO. — The Finance Committee of the Board of Supervisors will recommend a $10,000,000 bond election to finance school construction. New buildings and additions to standing structures are planned. It is expected the proposal will be placed before the voters at the November election.

FRESNO, Fresno Co., Cal—Election will be held June 1 in Barrell School District to vote bonds of $7500 to finance school improvements. Trustees of the district are: Charles Guglielmoni, R. L. Richardson, A. W. Schultz.

CORNING, Tehama Co., Cal.—$25,000 bond issue to finance high school improvements failed to carry at recent election.

OAKLAND, Cal.—Board of Education decides to sell more than $1,000,000 in school bonds of the remaining $5,000,000 issue to finance school improvements.

SAN JOSE, Santa Clara Co., Cal.—June 3 is date set in Willow Glen School District to vote bonds of $88,000 to finance construction of a new school building. Trustees of the district are: Geo. N. Stray, C. L. Beatty and M. J. Worthen.

VISALIA, Tulare Co., Cal.—Election will be held June 2 in Goshen School District to vote bonds of $10,000 for school improvement. Trustees of district are: Blanche Wright, David Rivers and E. C. Chapman.

HOLLISTER, San Benito Co., Cal.—City Trustees sell $32,000 park bond issue for premium of $2688.

CHURCHES

Contract Awarded
CHURCH Cost, $65,000
GLENDALE, Los Angeles Co., Cal.
Frame and plaster church.
Owner — Congregational Church of Glendale
Architect—Carleton M. Winslow, Van Nuys Bldg., Los Angeles.
Contractor—Nance Constr. Co., 846 Linden St., Los Angeles.
Contracts for plumbing, wiring, heating, glazing and furniture will be let separately.

Plans Completed.
CHURCH Cost, $65,000
FOWLER, Fresno Co., Cal.
Frame and plaster church; auditorium seating 500, Sunday School rooms etc.
Owner—Fowler Presbyterian Church
Architect—L. W. Peterson, 427 Cor. Bldg., Fresno.
Furnishings including pipe organ will cost $20,000. Mr. Peterson will also superintend the construction.

Plans Being Figured—Bids Close May 17, 1922.
CHURCH Cost, $100,000
SAN MATEO, San Mateo Co., Cal. Tilton Avenue from Ellsworth to Griffith.
Reinforced concrete church, 600 seating capacity (tile roof).
Owner—Congregational Church.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
Figures are being taken for a general contract.

FACTORIES & WAREHOUSES

Contract Awarded.
WAREHOUSE Cost, $34,616
FRESNO, Fresno Co., Cal. No. 1830-6 H Street.
Two-story reinforced concrete warehouse.
Owner—J. B. Hill.
Lessee—A. Meister Sons Co.
Architect—None.
Contractor — Robert Trost, 26th and Howard Sts. San Francisco.

Contract Awarded.
ICE PLANT Cost, $75,000
HANFORD, Kings Co., Cal.—S. P. right of way bet. Phillips St. and Santa Fe Railway.
60-ton ice plant, Main building, with frontage of 162 feet.
Owner—Hanford Ice Co., George C. Aydelott, President, Hanford.
Architect—Not Stated.
Contractor — Trewhitt-Shields Co., Rowell Bldg., Fresno.
Contract for compression system awarded to Cardondale Ice Machine Co., of Cardondale, Pa., and the freezing system to C. M. Gay Co. of Los Angeles.

Contract Awarded.
REFRIGERATING PLANT Cost, $23,000
SAN JOSE, Santa Clara Co., Cal. No. 350 N-First St.
Refrigerating plant.
Owner—Security Cold Storage Co.
Architect—None.
Contractor—Frank Hoyt, 343 Reed St., San Jose.

Plans Being Figured.
WAREHOUSE Cost,$20,000
VISALIA, Tulare Co., Cal.
One-story brick warehouse.
Owner—California Packing Corporation, 101 California St., San Francisco.
Engineer—Phillip Bush, 101 California St., San Francisco.

Contract Awarded.
ADDITION Cost, $58,000
SAN FRANCISCO, N. North Point bet. Larkin and Polk Sts.
Two-story brick and mill constructed addition to warehouse.
Owner—D. Ghirardelli, premises.
Architect—Wm. Mooser, Nevada Bank Bldg., San Francisco.
Contractor—H. L. Peterson, Lick Bldg., San Francisco.

Figures to Be Taken End of Next Week.
AUTO STAGE DEPOT Cost, $40,000
SAN JOSE, Santa Clara Co., Cal. W Market St. between Santa Clara and Post Sts.
Two-story reinforced concrete auto stage depot.
Owners—Alex Hart, Jas. Beatty Gus Turrel, et al.
Lessee—Peninsula Rapid Transit Co.
Architect—Wolfe & Higgins, Auzerais Bldgs., San Jose.
Figures will be taken for a general contract.

Completing Plans — Figures to Be Taken in About Two Weeks.
FACTORY Cost, $——
VALLEJO, Solano Co., Cal. Napa St.
One-story reinforced concrete factory 100x162 ft.
Owner—Western Die Casting Co., Berkeley, Cal.
Architect—C. E. Perry Jr., 514 Marin St., Vallejo, Cal.

VALLEJO, Solano Co., Cal.—Vallejo Ice Co. contemplates moving plant to waterfront or erecting new quarters on present site.

TACOMA, Wash.—Tacoma Dredging Co., Tacoma, at $444,870 awarded contract to construct transit shed for Port of Tacoma. Will be 1040 by 180 feet of heavy timber construction on gunite piling. Low bid was submitted by A. W. Quist & Co., Seattle, at $443,907, but "better prices on piling and community interests in the project" caused the award to go to local firm.

SACRAMENTO, Cal.—Geo. W. Peltier, local banker, announces a deal has been closed whereby a group of Los Angeles men acquire 2500 acres in the delta district on which it is proposed to erect a group of buildings for the packing of asparagus. The company will operate under the name of the California Asparagus Co. Those connected with the deal are: J. A. Jevne, wholesale grocer; H. A. Halderman,president of wholesale plumbing house, and L. M. Moultrie, attorney, all of Los Angeles. J. W. Goodwin of the Midland Farms Co. of San Francisco, and Peltier of Sacramento will be members of the board of directors.

FIREHOUSES AND JAILS

SAN FRANCISCO—Robert Trost, 26th and Howard Sts., at $31,832 awarded contract by Board of Public Works to construct firehouse in Portola Ave., opposite Kensington Way. Dewey Electric Co., at $1618 awarded contract for electric work, and J. E. O'Mara for heating and plumbing at $4575. Oscar Aaron, low bidder, at $3195 for heating and plumbing contract, was allowed to withdraw.

FRESNO, Fresno Co., Cal.—Fire Chief Berkholtz seeks $603,124 in 1922-23 budget now being considered by the city council. Of the total amount, $26,640 is sought for a new fire station at Butler and East streets; $24,640 for a structure at Belmont and First streets; $26,840 for another at Belmont and Palm and $13,600 for fire station at Kern and U Sts.

FLATS

To Be Done by Day's Work.
FLATS Cost, $10,000
Two-story and basement frame (4) flats.
Owner—C. S. Allred, 159 Liberty St., San Francisco.
Architect—None.

Contract Awarded.
FLATS Cost, $12,000
SACRAMENTO, Cal. 517 21st St.
Two-story frame flat building and garage (4 4-room flats).
Owner—Otto L. Ely, 1111 O St., Sacramento.
Architect—None.
Contractor—E. D. Brier, 817 J St., Sacramento.

Plans Being Prepared—Figures to Be Taken in About Two Weeks.
FLAT BLDG. Cost, $40,000
SAN FRANCISCO, W Larkin S Greenwich.
Two and three-story frame and plaster apartments flat building.
Owner—Not given.
Architect—L. Mastropasqua, 580 Washington St., San Francisco.

Plans Being Prepared.
ALTERATIONS Cost, $8000
SAN FRANCISCO, 2169 Green St.
Alter 2-story and basement frame 15-room residence into flat and apartments.
Owner—Not given.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.

Contract Awarded
FLATS Cost, $12,000
SAN FRANCISCO, W 16th Ave 225 N Balboa.
Two-story and basement (2) flats.
Owner—Marie Jamison, 613 Geary St., San Francisco.

Architect—Milton Morrison, 716 41st Ave., San Francisco.
Contractor—Thos. Hamill, 707 42nd Ave., San Francisco.

Contract Awarded.
FLATS Cost, $14,000
SAN FRANCISCO. NE 3rd Ave and Irving.
Owner—Frank C. and Bessie M. Miller, 146 Parker Ave.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—B. Liebman, 113 9th Ave., San Francisco.

To Be Done by Day's Work.
FLATS Cost, $10,000
SAN FRANCISCO. W 15th Ave 281:6 S Balboa.
Two-story and basement frame (2) flats.
Owner—J. A. Andren, 756 Duboce Ave., San Francisco.
Architect—None.

GARAGES

Contract Awarded.
GARAGE Cost, $12,250
OAKLAND, Cal. SE E-14th St and 9th Ave. One-story brick garage.
Owner, O. W. Johnson, 1521 Union St., Oakland.
Contractor — Fred Hambleton, 3737 13th Ave., Oakland.

GOVERNMENT WORK AND SUPPLIES

Plans Being Figured—Bids Close May 17, 1922, 11 a. m..
INFIRMARY Cost, $25,000
BENICIA, Solano Co., Cal. Benicia Arsenal.
Hollow title infirmary (asbestos or Spanish tile roof, steam heating plant, etc.)
Owner—U. S. Government.
Plans by owner.
See official call for bids under proposals.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 1, 1922.—SEALED PROPOSALS will be opened in this office at 3 p.m., May 31, 1922, for the installation complete of two full magnet control electric passenger elevators for the U. S. Veterans' Hospital No. 24, Palo Alto, Calif. Drawings and specifications may be obtained at this office in the discretion of the Supervising Architect, Jas. A. Wetmore, Supervising Architect.

BENICIA, Solano Co., Cal.—Until May 16, 11:45 a.m., bids will be received by Commanding Officer, Benicia Arsenal, for furnishing and delivering under Supply Spec. No. 82, 50 gals. volatile mineral spirits; 2 bbls. boiled linseed oil; 20 gals. Japan dryer; 600 lbs. dry Prince's metallic paint.

SAN FRANCISCO.Until May 17, 11 a.m., bids will be received by U. S. Engineer's Office, 240 Montgomery St., under Order No. 3721, for leasing Booster pump. Bids must be accompanied by certified check for $300.

WASHINGTON, D. C. — Bids are wanted by Bureau of Supplies and Accounts, Navy Department, for furnishing and delivering materials to Navy Yards (date for opening bids as noted at end of each paragraph:

Schedule 9625, Navy Yard, Mare Island, Cal., 1450 gals. damar varnish, in 1-gal. cans and 880 gals. black asphaltum varnish, in 1-gal. cans, May 23.

Sched. 9626, Navy Yard, Puget Sound, Wash., 100 navy standard seamless boiler tubes, 4-in. o. d. 0.134-in. thick, 18 ft. 6 in. long, (date not set).

Sched. 9627, for Mare Island, Cal., 10,000 gals. paint drier in 50-gal. drums, May 31.

Sched. 9629, for Mare Island, 5000 ft. ¾-in. rubber garden hose in 50-ft. lengths and 1000 ft. 1½-in. rubber suction hose in 25-ft. lengths with couplings, May 31.

Sched. 9630, for Puget Sound, Wash., 1300 cotton twine deck swabs, May 31.

WASHINGTON, D. C. — President Harding has recommended to Congress an appropriation of $1000 to finance survey for a dock at Juneau, Alaska, the War Department having reported that the construuction of a dock at that point would materially reduce operating costs and shipping delays.

WASHINGTON, D. C.—Rice-Mosso Electric Co., 1963 Santee St., Los Angeles. Cal., at $4567 awarded contract by Bureau of Yards and Docks to install street lighting system for naval hospital at San Diego, Cal. Time for completion, 60 days.

SAN FRANCISCO.—Until May 16, 11 a.m., bids will be received by U. S. Engineer Office, 240 Montgomery St., under Order No. 3717, Spec.2 6, for furnishing and delivering Rio Vista, Solano County: 12 1-in. Globe valves; 2 lengths 1¼-in. galv. pipe; 2 doz. ¾-in. and 2 doz. ⅜-in. black pipe plugs; 2 doz. pipe bushings, 1½-in. to 1¼-in. black; 2 doz. ⅜ to 1¼-in., 2 doz. ½ to ⅜-in., 2 doz. ½ to ¾-in., and 2 doz. ¾ to 1-in. bell reducers; 3 doz. ½-in. black sleeves; 2 doz. ½-in. black elbows; and 3 doz. ¾-in. black elbows.

WASHINGTON, D. C.—Pittsburgh-Des Moines Steel Co., 806 Curry Bldg., Pittsburgh, Pa., at $107,890 awarded contract by Bureau of Yards and Docks, Navy Department, to construct oil storage tanks at Panama, under Specification No. 4607; time for completion, 180 days.

WASHINGTON, D. C.—Fink and Schindler Co., 218 13th St., San Francisco, at $650 awarded contract by Supervising Architect, Treasury Department, to construct glazed partitions in San Francisco Sub Treasury building.

WASHINGTON, D. C.—The Bureau of Yards and Docks, Navy Department has cancelled the following projects heretofore reported as "prospective work:"

Specification 4540, marine barracks, Mare Island, Dutch ovens.

Specification 4567, Pearl Harbor, mine storage building, ammunition depot.

PORTLAND, Ore.—Until May 31, 2 P. M., bids will be received by Lighthouse Superintendent to construct keeper's dwelling at Yaquina Head Light Station, Ore. Further information on request.

SAN FRANCISCO—Until May 17, 11 a.m., under Order No. 37161-S. P. 6, bids will be received by U. S. Engineer Office, 240 Montgomery street, for furnishing and delivering Rio Vista, Solano County: miscellaneous hardware and supplies. Spec. will be furnished on request.

WASHINGTON, D. C.—Fletcher and Warren, 216 Georgia St., Vallejo, Cal., at $13,398 awarded contract by Bureau of Yards and Docks, Navy Department, under Specification No. 4593 to remodel and rebuild quarters at Mare Island Navy Yard; time for completion, 75 days.

HALLS AND SOCIETY BUILDINGS

Contract Awarded.
SORORITY HOUSE Cost, $22,333
BERKELEY, Alameda Co., Cal. Durant Avenue.
Two-story frame and plaster sorority house.
Owner—Eta Alpha Chapter of Phi Mu Fraternity.
Architect—W. H. Ratcliff Jr., 1st Nat'l Bank Bldg., Berkeley.
Contractor—Walter Sorensen, 3219 Ellis St., Berkeley.

Contract Awarded.
ALTERATIONS. Cost, $20,000
SAN FRANCISCO. S. Sutter St., 162:6 W. Grant Ave.
Construct stairs; add reinforced concrete walls and other alterations for club quarters.
Owner—Milton D. Eisner, 128 Sutter St., San Francisco.
Architect—Samuel Lightner Hyman, 68 Post St., San Francisco.
Contractor—J. Harold Johnson, 180 Jessie St., San Francisco.

Architects Sleceted.
LODGE BLDG. Cost, $——
SAN FRANCISCO. Location not decided.
Class A Scottish Rite Cathedral.
Owner—Scottish Rite A. & A. S. R., California Bodies.
Architect—Weeks & Day, Phelan Bldg., San Francisco.
Weeks & Day have been selected as architects, but will not be officially commissioned to prepare plans until the site is selected. The cost will in all probability be close to $1,000,000.

SAN FRANCISCO — The Parkside Club, 338 San Carlos Ave., is planning to erect a $10,000 club house. Committees under the direction of George Pracy and George Hardacre are gathering funds to finance construction.

ONTARIO, San Bernardino Co., Cal. —John Gerry, member of building committee of Odd Fellows Lodge No. 345, I. O. O. F., has completed plans and is taking bids until 6 p.m., May 19, for erection of a 3-story reinforced concrete temple, 42x90, on West B St. bet. Euclid and Laurel Aves., in Ontario. Building will have 2 store rms. on first floor, while upper floors will have billiard room, reception parlors, dining rooms, kitchen, lodge room 60x40, with lockers, dressing rooms, etc. Interior decorations will be hardwood throughout. Plans and specifications may be obtained from Geo. B. Sell, 822 West D St., Ontario.

HOSPITALS

Contract Awarded.
HOSPITAL Cost, $235,000
LOS ANGELES, Cal. Boyle Ave.
Two 2-story brick dormitories 40x132 and 40x173 feet, and a 2-story reinforced concrete Class A hospital and refectory building 45x115.
Owner—Hollenbeck Home.
Architect—Morgan, Walls & Morgan, 1124 Van Nuys Bldg., Los Angeles.
Contractor—Robert E. Millsam, 423 Marsh-Strong Bldg., Los Angeles.

Contract Awarded.
RESIDENCE Cost, $10,000
SACRAMENTO, Cal. 1355 44th St.
Two-story frame 8-room residence.
Owner—Andrew H. Wills, 1614 19th St.
Architect—None.
Contractor—E. D. Brier, 817 J St., Sacramento.

HOTELS

Contracts Awarded .
ADDITION Cost, $17,000
RICHMOND, Contra Consta Co., Cal. Macdonald Ave. near 6th St.
Complete two upper floors of 3-story brick store and hotel building (40 rooms.)
Owners — John Lestello and Pete Handy.
Architect—Albert Fabre, 110 Sutter St., San Francisco.
General Contract to Carl Overra, 2105 Roosevelt St., Richmond.
Plumbing to R. W. Timmons, 325 7th St., Richmond.
Heating to Atlas Heating & Ventilating Co., 72 Freelon St., San Francisco.

Figures to be Taken This Week.
ALTERATIONS Cost, $35,000
SAN FRANCISCO. NW Taylor and Eddy Streets.
Alter five-story fireproof hotel (alter stores, new store fronts, etc.)
Owner—Ritz Hotel.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Plans Being Prepared.
HOTEL Cost, $40,000
PITTSBURG, Contra Costa Co., Cal.
Three-story brick hotel.
Owner—S. Caruso & Bro., Pittsburg.
Architect—L. Mastropasqua, 580 Washington St., San Francisco.

Plans Being Prepared.
HOTEL Cost, $175,000
SAN PEDRO, Los Angeles Co., Cal.
Three-story and basement Class A hotel building, 123x120 (150 rooms).
Owner—Withheld.
Architect—Wm. F. Bowen, 813 Union League Bldg., Los Angeles.

TUCSON, Ariz.—Architect M. H. Starkweather is preparing plans for a tourist hotel to be erected at Agua Caliente ranch by a recently organized company to be known as the Tucson Hot Springs Hotel Co., with a capitalization of $500,000. The main building will have about 16 rooms, with 30 bungalows located in the grounds. Plans include boat houses and golf course, covering 160 acres. Leading citizens of Tucson are back of the project.

LONG BEACH, Cal.—The Long Beach Improvement Co., 215 Locust Avenue, Long Beach, has purchased a 247-270 ft. site at No. 2300 E. Ocean Boulevard and Pres. George E. Marsh announces the contemplated erection of a $700,000, 10-story concrete or brick and steel hotel building with sunken garden, 100x150 ft.

SAN LUIS OBISPO, Cal.—Rosene-Sprager Construction Co., 226 Pacific Finance Bldg. L. A., and San Luis Obispo, will be the contractors for the group of four reinforced concrete and brick hotel buildings to be erected near San Luis Obispo for Tripoli Hotel Co., W. J. Connor, agent. Geo. W. Eldredge and Thos. Jewell, 226 Pacific Finance Bldg., architects, $500,000. Grading and excavating will be started at once.

POWER PLANTS

SACRAMENTO, Cal.—City Engineer Albert Givan is preparing to send engineers into the field to investigate the feasibility of the Silver Creek project in El Dorado county as a municipal hydro-electric system. It is possible that H. L. McCready of the State Engineering Department will head the party. The project contemplates the development of 100,000 hp. by three storage reservoirs and power houses located about 60 miles from Sacramento. Preliminary estimates place the cost at about $8,000,000.

PUBLIC BUILDINGS

Completing Plans.
MEMORIAL BLDG. Cost, $100,000
RICHMOND, Contra Costa Co., Cal. 24th and Nevin Sts.
Hollow tile Memorial building.
Owner—City of Richmond.
Architect—Jas. T. Narbett, 910 Macdonald Ave., Richmond.

Plans Complete.
HOME FLDG. Cost, $90,000
STOCKTON, San Joaquin Co., Cal. San Joaquin County Hospital grounds.
Two-story Class C Ward for Old People's Home (brick, concrete or hollow tile construction)
Owner—San Joaquin County.
Architect—Ralph P. Merrell, I. O. O. F. Bldg., Stockton.
Bids will be opened in July, when the funds will be available under the new budget.

YUBA CITY, Sutter Co., Cal.—Remodeling of the Sutter County court house in order to provide more vault room and modern heating facilities for both buildings, was taken up by the Board of Supervisors at the session just ended. John Stafford of Sacramento, who supervised the Gaither School, will present drafts of plans next Monday as a basis on which the supervisors can plan the improvements.

STOCKTON, San Joaquin Co., Cal.—Architcets L. S. Stone, Belding Bldg.; W. J. Wright, Bank of Italy Bldg., and Glen Allen, 37 S. Aurora St., all of Stockton, as a firm, have been selected by the City Council to prepare plans and specifications for the proposed $600,000 municipal auditorium to be erected in the block bounded by Commerce, Fremont, Oak and Center Sts. Bonds to finance construction have already been voted.

PALO ALTO, Santa Clara Co., Cal.—Until May 15, 7:30 P. M., bids will be received by the Board of Public Works to construct addition to City Hall. **See call for bids under official proposal section in this issue.**

WOODLAND, Yolo Co., Cal.—J. H. Ellison, at $1111.60 awarded contract by Supervisors to construct nurses' home at county hospital. Other bids: John R. Hocker, $1422; Brown and Caldwell, $1340.

RESIDENCES

Contract Awarded.
RESIDENCE Cost, $18450
PALO ALTO, Santa Clara Co., Cal.
Two-story frame and plaster residence.
Owner—J. W. Camplin.
Architect—Chas. E. Gottschalk, Phelan Bldg., San Francisco.
Contractor—Jean Bart Balcomb, 220 Emerson St., Palo Alto.

Plans Being Figured.
RESIDENCE Cost, $16,000
SAN FRANCISCO. Vallejo St., near Broderick.
Two-story frame and stucco residence (9 rooms).
Owner—Walter Haas.
Architect—Chas. E. Gottschalk, Phelan Bldg., San Francisco.

To be done by day's work.
RESIDENCE Cost, $20,000.
PIEDMONT, 205 Crocker Avenue.
Two-story frame and plaster 8-room residence.
Owner — Thos. W. Rivers, Phelan Building, San Francisco.
Architect—C. A. Meussdoffer, Humboldt Bank Building, San Francisco.
Superintendent—G. Polati, 2229 Union Street, San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $10,000
OAKLAND, Alameda Co., Cal. Lakeshore Highlands.
Two-story frame and plaster residence and garage (7 rooms and 2 baths)
Owner—Willis Lowe.
Architect — Willis Lowe, Monadnock Bldg., San Francisco.

RESIDENCE Cost, $12,000
PIEDMONT, Alameda Co., Cal.
Two-story and basement frame residence.
Owner—E. J. Schneider, 6426 Regent St., Berkeley.
Architect—Albert Farr, Foxcroft Bldg., San Francisco.
Contractor—L. L. Lucas, 545 59th St., Oakland.

Contract Awarded.
RESIDENCE Cost $4825
ROSS, Marin Co., Cal.
Two-story frame residence.
Owner—Thos. O'Connell.
Architect—Albert Farr, Foxcroft Bldg., San Francisco.
Contractor—E. Ellingson, 180 Jessie St. San Francisco.

Contract Awarded.
RESIDENCE Cost, $7500
SAN MATEO, San Mateo Co., Cal. Hayward Court.
One-story 5-room residence.
Owner—Mr. Fairbanks.
Architect — Ernest Norberg, Balboa Bldg., San Francisco.
Contractor—Frank Boring, 514 Santa Inez, San Mateo.

Figures to Be Taken in About a Week.
RESIDENCE Cost, $20,000
MENLO PARK, San Mateo Co., Cal.
Two-story frame and plaster residence (12 rooms).
Owner—Not given.
Architect — Ernest Norberg, Balboa Bldg., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $20,000
STOCKTON, San Joaquin Co., Cal. North Hunter St.
Two-story frame and tile veneer residence (2 rooms).
Owner—J. O. Robison.
Architect—Frank V. Mayo, Yosemite Bldg., Stockton.

Contract Awarded.
RESIDENCE Cost, $12,490
ALAMEDA, Alameda Co., Cal. SW St. Charles St and San Antonio Ave.
Two-story frame residence.
Owner—H. S. Pond, 1714 Wood St., Alameda.
Architect—Jas. T. Narbett, 910 Macdonald Ave., Richmond, Cal.
Contractor—Walter Murch, Federal Bldg., Oakland, Cal.

Plans Being Figured.
RESIDENCE Cost, $15,000
REDWOOD CITY, San Mateo Co., Cal.
Two-story frame and plaster residence and garage with tile roof (9 rooms).
Owner—L. Otzen.
Architect — N. W. Sexton, Chronicle Bldg., San Francisco.

Figures Being Taken From a Selected List of Contractors.
RESIDENCE Cost, $15,000
SAN FRANCISCO. St. Francis Wood.
Two-story frame and plaster residence (Italian Style).
Owner—Edw. L. Dial, Kohl Bldg., S. F.
Architect — C. A. Tantau, 251 Kearny St., San Francisco.
Bids will be opened on May 9th

Plans Being Figured.
RESIDENCE Cost, $17,000
BERKELEY, Alameda Co., Cal.
Two-story and basement frame, brick veneer and plaster residence.
Owner—Austin Sperry.
Architect—H. H. Gutterson, 278 Post St., San Francisco.

To be Done by Day's Work.
RESIDENCE Cost, $18,000
STOCKTON, San Joaquin Co., Cal. North Hunter Street.
Frame residence.
Owner—A. M. Noble, 11 S-Hunter St., Stockton.
Architect — Frank V. Mayo, Yosemite Bldg., Stockton.

Contract Awarded.
RESIDENCE Cost, Approximately $10,000.
WATSONVILLE, Santa Cruz Co., Cal.
Two-story frame residence.
Owner—George Friermuth.
Architects—Wyckoff & White, Growers Bank Bldg., San Jose.
Contractor—Geo. Uren, Watsonville.

Plans Being Prepared.
RESIDENCE Cost, $10,000
STOCKTON, San Joaquin Co., Cal. Bours Park.
One-story frame and plaster residence.
Owner—Dr. N. Katz.
Architect—Ralph P. Merrell, I. O. O. F. Bldg., Stockton.

Owner Taking Figures.
RESIDENCE Cost, $8,000
SAN JOSE, Santa Clara Co., Cal. Hanchett Park.
One-story frame residence (Spanish Style).
Owner—Dr. A. McMillan, 14 E-San Fernando St., San Jose.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Plans Being Prepared.
RESIDENCE Cost, $20,000
STOCKTON, San Joaquin Co., Cal. Bours Park.
Two-story frame and plaster residence.
Owner—Thomas E. Connelly.
Architect—R. W. Morrell, I. O. O. F. Bldg., Stockton.

Plans Being Prepared.
RESIDENCE Cost, $15,000
LODI, San Joaquin Co., Cal.
Two-story frame and plaster residence.
Owner—Sam Zimmerman, Lodi.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.

Plans Being Prepared.
RESIDENCE Cost, $9000
MENLO PARK, San Mateo Co., Cal.
One-story, basement and attic frame residence (shingle exterior, 8 rooms).
Owner—Dr. Blake.
Architect—Ernest Hildebrand, 110 Sutter St., San Francisco.

SCHOOLS

Contract Awarded.
SCHOOL BLDG. Cost, $250,000
LOS ANGELES, Cal. Pico St. bet. Ardmore Ave and Harvard Blvd.
Two-story and basement Class A brick and reinforced concrete High School building, 242x130 (16 rooms and auditorium).
Owner—Roman Catholic Archbishop.
Architect—Albert C. Martin, Higgins Bldg., Los Angeles.
Contractor—Pozzo Construction Co., 421 Macy St., Los Angeles.
Other contracts were let as follows: Plumbing and heating to F. J. Donnelly; marble and tile work to Joseph Musto Sons-Keenan Co.; electrical work to Golden State Electric Co., and structural steel and trusses to Baker Iron Works.

Plans Being Prepared.
SCHOOL BLDG. Cost, $35,000
BRENTWOOD, Contra Costa Co., Cal.
One-story frame and plaster school.
Owner—Brentwood Grammar School District.
Architect—Jas. T. Narbett, 910 Macdonald Ave., Richmond, Cal.

STOCKTON, San Joaquin Co., Cal.—Until May 24, 7:30 P. M., bids will be received by Ansel S. Williams, Secretary, Board of Education, to construct Jefferson School annex and heating plant. Peter Sala, 208 Wilhoit Bldg., Stockton, Architect. **See call for bids under official proposal section in this issue.**

Contract Awarded.
SCHOOL Cost, $17,650
SHAFTER, Kern Co., Cal.
Four-room frame school building and altering present structure.
Owner—Richland School District.
Architect—J. M. Saffell, 924 19th St., Bakersfield.
Contractor—F. H. Dequine, Shafter.
Other bids were: C. E. Kutzner, $21,029; A. Zimmerman, $21,475; Currie & Dulgar, $24,000; H. Eissler, $21,500, all of Bakersfield; Barkelew & Gould, Tulare, $23,587; George Isaac & Son, Shafter, $18,390.

Plans Being Figured—Bids Close May 29, 1922, 2 P. M.
SCHOOLS Cost, $200,000
SAN MATEO, San Mateo Co., Cal. Central School Site and Popular Ave. Between C and D Sts.
Two frame grammar school buildings.
Owner — San Mateo Grammar School District.
Architect—J. J. Donovan, Perry Bldg., Oakland, and S. Schmaittacher, 233 Post St., San Francisco.
Figures are being taken for a general contract, electrical work, heating and plumbing.
See call for bids under Official Proposal.

Plans to Be Approved and Bids Called for Shortly.
SCHOOL BUILDINGS. Cost, $275,000
NAPA, Napa Co., Cal.
Three fireproof high school buildings (main building, manual training and domestic science buildings).
Owner—Napa High School District.
Architect — W. H. Weeks, 369 Pine St., San Francisco.
Plans will be submitted to the Board on May 8 for approval, and if accepted bids will be called for immediately.

Completing Plans—Contract Awarded
SCHOOL Cost, $60,000
BERKELEY, Alameda Co., Cal. Jefferson Street.
Two-story and basement frame and brick veneer parochial school.
Owner—Roman Catholic Archbishop of San Francisco.
Architect — J. O. Lofquist, % C. W. Dickey, 2149 Broadway, Oakland.
Contractor — Henry McCullough, 1641 Allston Way, Berkeley.
Work will be started in about two weeks.

Plans Being Figured.
GYMNASIUM Cost, $59,000
SAN BERNARDINO, Cal.
Frame and plaster school gymnasium.
Owner—San Bernardino Board of Education.
Architect—Howard E. Jones, Katz Bldg., San Mernardino, Cal.
Bids are being asked on general contract, electric wiring, heating, plumbing and painting.

Plans Being Prepared.
SCHOOL BLDGS. Cost, $220,000
COLTON, San Bernardino Co., Cal.
Group of brick high school buildings.
Owner—Colton High School.
Architect — Allison & Allison, 1405 Hibernian Bldg., Los Angeles.

Contracts Awarded.
SCHOOL Cost, $200,000
RICHMOND, Contra Costa Co., Cal. Ninth and Bissel Avenue.
One and three-story reinforced concrete and hollow tile Junior High School, 216x321.
Owner—City of Richmond School District.
Architect—Jas. T. Narbett, 910 Macdonald Ave., Richmond.
General Work: Carpenter work, excavation, well boring, concrete and cement work, steel and iron, elevator work, and interior stone work, awarded to P. M. Sanford, 914 Macdonald Ave., Richmond, at $124,795.
Plumbing to J. I. Collins, 252 17th St., Richmond, at $12,683.
Heating to Scott Co., at $31,988.
Hollow Tile and Brick Work to Jas. Walker, 141 S. 14th St., Richmond, at $32,547.
Electrical Work to V. G. Electtric Co., 1314 Macdonald Ave., Richmond, at $5995.
Painting to J. J. Burdon, 571 9th St., Richmond, at $6197.
Roofing to United Materials Co., Sharon Bldg., San Francisco, at $5663.
The lathing and plastering, and sheet metal work have not been awarded.

Figures to be Called for Next Week.
SCHOOL Cost, $100,000
LOS GATOS, Santa Clara Co., Cal.
Two-story frame school (16 classrooms and an auditorium).
Owner — Los Gatos Grammar School District.
Architects—Wyckoff & White, Growers Bank Bldg., San Jose.
Bids will be taken for a general contract.

Contracts Awarded.
ADDITION Cost, $25,000
RICHMOND, Contra Costa Co., Cal. Nystrom School.
Four-room and auditorium hollow tile and laster addition to school.
Owner—City of Richmond School Dist.
Architect—Jas. T. Narbett, 910 Macdonald Ave., Richmond.
General Work: Excavating, concrete and cement work (including reinforcing steel), sheet metal work, carpenter work, house mover's work, steel and iron, and electric work, awarded to Carl Overaa, 2105 Roosevelt, Richmond, $15,470.
Brick and Hollow Tile Work to James Walker, 141 S. 14th St., Richmond, at $5460.
Plumbing to R. A. Washburn, 2111 Barrett, Richmond, at $2180.
Heating and Ventilating to J. I. Collins, 252 17th St., Richmond, at $7965.
Lathing and Plastering to G. P. Ingram, Richmond, at $1989.
Roofing to Richmond Roofing Co., 325 16th St., Richmond, $2463.
Painting to Zeb Knott, 319 7th St., Richmond, $580.

Bonds Voted—Bids to be Called For in About Three Weeks.
SCHOOLS $50,000 and $100,000 respectively.
GILROY, Santa Clara Co., Cal.
One-story 6-room frame school and a 14-room frame school.
Owner—Gilroy School District.
Architects—Wyckoff & White, Growers Bank Bldg., San Jose.

Work Started.
GYMNASIUM Cost, $——
MILL VALLEY, Marin Co., Cal. Tamalpais High School grounds.
One-story concrete and frame gymnasium and swimming pool, 30x80, with glass roof.
Owner—Tamalpais High School District.
Architect — Drafting Department of High School.
Piling has been completed by Healy-Tibbitts Construction Co.
Roofing has been awarded to San Rafael Roofing Co. Steel to California Steel Co. All other work to be done by the students.

Plans Being Figured—Bids Close May 29, 1922, 8 p.m.
ADDITION Cost, $7500
CUPERTINO, Santa Clara Co., Cal.
Frame 2-room addition to present school.
Owner — Cupertino Grammar School District.
Architect—Chas. J. McKenzie, Bank of San Jose Bldg., San Jose, Cal.

Plans Being Prepared.
SCHOOL Cost, $50,000
FERNDALE, Humboldt Co., Cal.
Grammar School.
Owner—Ferndale School District.
Architect — Franklyn T. Georgeson, Humboldt National Bank Bldg., Eureka, Cal.

Figures to be Called For Shortly.
ADDITION Cost, $60,000
ORLAND, Glenn Co., Cal.
Two-story reinforced concrete addition to high school.
Owner—Orland High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

New Bond Election to be Held.
SCHOOL Cost, $175,000
TURLOCK, Stanislaus Co., Cal.
Two-story brick high school.
Owner—Turlock High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
The bond election for $240,000 failed last year. A new election will be held this month.

SAN FRANCISCO.—Until May 17, 3 p.m., bids will be received by Board of Public Works to construct tempo-

A. E. Leitch Fred Clark
CLARK & LEITCH ROOFING CO.
Successors to E. S. Warner
Office and Warehouse:
1116 SECOND ST., SACRAMENTO
Phone Main 726

rary buildings for Mission High and Humboldt Evening High Schools in Mission Park in Dolores St., bet. 18th and 19th Sts., est. cost, $54,000. Bond of $13,500 required of successful bidder. Plans may be had from Bureau of Architecture, 2nd floor City Hall. John Reid Jr., city architect.

SAN FRANCISCO.—Supervisors will provide funds in 1922-23 budget for preparation of preliminary plans for new Mission High School. Will cost between $300,000 and $500,000.

Board of Public Works has been authorized to prepare plans for addition to High School of Commerce in Fell St., bet. Van Ness Ave. and Franklin St.

EUREKA, Humboldt Co., Cal.—Until June 5, 7:30 P. M., bids will be received by Geo. B. Albee, Superintendent of Schools, to construct shower and various other rooms to the high school gymnasium. **See call for bids under official proposal section in this issue.**

LOS ANGELES, Cal.—Frank Hudson, Higgins Bldg., Los Angeles, was awarded the general contract at $84,406 for erecting new school building, on Barton Hill school site at San Pedro. Other contracts awarded were: Plumbing to Hickman Bros. at $7298; heating to Furtsch & Bourdieu at $5605 and painting to H. H. Mann at $1127. The bids for wiring were rejected and work will be re-advertised. Two buildings, one two-story, 156x64 ft., and the other one-story, 39x92 ft., brick construction, cast stone trim. Plans by Architectural Department of Board of Education. Edgar H. Cline, Architect.

SAN FRANCISCO.—Palace Hardware Co. at $6392 awarded contract by Board of Public Works to furnish and install hardware in Mission High School.

RIO DELL, Humboldt Co., Cal.—Until May 19, 7:30 P. M., bids will be received by Gust Rickter, Clerk, Rio Dell School District, to reconstruct Rio Dell school; Franklin T. Georgeson, 208 Humboldt Bk Bldg., Eureka, Architect.

SEATTLE, Wash.—Dougan & Christman, Huckley Bldg., Seattle, at $452,374 awarded contract to erect three-story reinforced concrete, brick and tile Garfield School at 24th avenue and E. Jefferson street. Will contain 13 classrooms. F. A. Naramore, City School Architect.

SAN FRANCISVO.—Supervisors authorize preparation of plans to improve playground at James Lick School playground, Clipper and Noe Sts.

LOS ANGELES, Cal. — Architect Clifford A. Truesdell, Jr., Newton & Purinton, association engineers, 304 San Fernando Building, Los Angeles, have been selected as architects, and have prepared preliminary drawings which have been accepted for the erection of the Student Union building in the university group at the Southern Branch, University of California, Vermont and Monroe streets, in Los Angeles, for the Associated Students of the University of California, Southern Branch. The lower floor will contain eight offices, students co-operative supply salesroom and toilets and lavatories; second floor will be for offices. Concrete foundation, over all, 90x40 ft., 2-sto. brick construction, tile roof, art stone trim, cement and hardwood floors.

LOS ANGELES, Cal.—J. F. Atkinson, 1102 Story Bldg., Los Angeles, was low bidder at $55,700 on general contract for erecting new Wadsworth School Bldg., 1037 E. 38th St.; Alfred W. Ross and Chas. E. Christing, 903 Trust & Savings Bldg., L. A., architects. Low bidders on other contracts were: G. C. Patten on plumbing at $7272, American Electric Construction Co. on wiring at $1680.30, W. S. Goodrich on heating at $3[illegible], and Drescher Decorating Co. on painting at $2743. Ten rooms, 2-story, 76x171 ft., brick construction, composition roofing, pine trim, maple floors.

LOS ANGELES, Cal.—Until 9 a.m., May 24, bids will be received by the Los Angeles Board of Education for the following city school work:

For erecting new school building at Castelar St. school site, Yale and College Sts.; Pierpont and Walter S. Davis, architects; 2-story, 132x96ft., 12 rms.; brick construction, plaster exterior, clay tile roofing, pine trim, maple floors; $90,000. Separate bids on general work, plumbing, painting, heating and wiring.

For erecting an addition to Manchester Ave. school building, Manchester and Hoover Sts.; Train & Williams, architects; 2-story, 10 rooms, brick construction, select common brick facing, comp. roofing, pine trim, maple floors; $65,000. Separate bids on general work, plumbing, wiring, heating and painting.

For erecting new building at Cheremoya school site; Harwood Hewitt, architect; 2-story, 111x73 ft., brick construction, plaster exterior, clay tile roofing, pine trim, maple floors; $77,000. Separate bids on general work, plumbing, painting, heating and wiring.

Plans and specifications for above work may be obtained at office of secretary, 730 Security Bldg., Los Angeles.

VISALIA, Tulare Co., Cal.—Until May 27, 2 p.m., bids will be received by Oak Grove School District, Mrs. Frank Guerin, clerk, to construct two-room school and outbuilding. J. R. Henderson, 109 E. Tulare St., Tulare, Cal., architect. Deposit of $10 required for plans obtainable from architect.

BAKERSFIELD, Kern Co., Cal.—Until May 15, 3 p.m., bids will be received by Eugene K. Martin, architect, to construct Domestic Science building and other additions to present structures of Midway School District, located one mile from the town of Fellows. Plans may be had from architect.

LONG BEACH, Los Angeles Co., Cal.—M. H. Walter, 522 E. 25th St., Long Beach, was the lowest bidder at $117,637 on the excavation, concrete, carpenter and iron work for the erection of the Jefferson Junior High School, Long Beach. Henry Reimers, low on brick and cast stone, $65,400; Garden City Sheet Metal Works, low on sheet metal at $1065; Standard Roofing Co., low on comp. roof at $1585; C. L. Passmore, low on tile roof at $5400; Geo. Claver, low on plastering at $14,175; Rucker-Fuller Desk Co., low on blackboards at $2191.70; Wormell & Drawbaugh, low on painting at $10,420; Bennett-Buck Hardware Co., low on hardware at $6900; Arthur Hess, low on plumbing at $16,348; Home Electric Co., low on wiring at $7955; E. H. Abbott, low on program clocks at $1963, and F. J. Donnelly, low on heating and ventilating at $13,100. Bids under advisement for decision at special meeting, Thursday, May 11, 4 p.m. Allison & Allison, Hibernian Bldg., Los Angeles, and H. Alfred Anderson, Palace Theater Bldg., Long Beach, associate architects.

STOCKTON, San Joaquin Co., Cal.—R. W. Moller, Call Bldg., San Francisco, submitted the lowest bid on May 10th for the general contract in connection with the construction of a ten-room addition to the Jackson School in Stockton; his bid was for $55,442. The lowest bid for the heating and ventilating was submitted by Edward L. Gnekow, 617 E. Main street, Stockton, at $9316. All bids were taken under advisement. Plans were prepared by Architects Wright & Satterlee, Bank of Italy Bldg., Stockton. A complete list of the bids follows:

General Contract

R. W. Moller, S. F.	$55,442
Chambers & Riley, Stockton	58,987
C. H. Chain, Stockton	60,400

Heating

E. L. Knekow, Stockton	$ 9,316
Stockton Plumbing Supply Co.	10,268
Lamoutte-Fleal Co., Sacto.	10,620
Scott Co.	11,784

NAPA, Napa Co., Cal.—Until May 22, 8 p.m., bids will be received by Howard E. Roper, secretary Napa School Board, to furnish sewer pipe and connections for the John L. Shearer School. Plans may be had from secretary at Napa.

STORES AND OFFICES

Preliminary Plans Being Prepared.
MARKET BLDG. Cost, $500,000
SAN FRANCISCO. Eighth, Mission and Market Streets, 185 feet on 8th, 175 on Mission and 50 on Market.
One-story Class B market building.
Owner—Wm. Houghteling et als.
Architects—Weeks & Day, Phelan Bldg San Francisco.

Contract Awarded.
STORE BUILDING Cost, $20,000
OAKLAND, San Pablo Ave. bet 18th and 19th Sts.
One-story brick store building.
Owner—Emil E. Kahn.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—MacDonald & Kahn 130 Montgomery St., San Francisco.

Figures to be Taken in a Few Days.
STORE BLDG. Cost, $27,000
PALO ALTO, Santa Clara Co., Cal.
One-story reinforced concrete store building (7 stores).
Owner—Withheld.
Architects—Chas. W. McCall, Chas. T. Davis and Birge Clark, Associated, Central Bank Bldg., Oakland and Palo Alto.

Plans Being Prepared.
STORE Cost, $40,000 to $65,000
STOCKTON, San Joaquin Co., Cal. Weber Ave. bet. California and American Sts.
One or two-story store building.
Owner—F. P. Black, 1025 Van Ness Ave., Fresno.
Architect—Not given.

Contract Awarded.
STORE Cost, $13,000
OAKLAND, Cal. NE 23d and Webster Sts.
Owner—Mary E. Chestnut, 254 Bacon Bldg., Oakland.
Architect—None.
Contractor—Marshall & Burks, 254 Bacon Bldg., Oakland.

Segregated Figures Being Taken.
STORE BUILDING Cost, $25,000
SAN FRANCISCO. NE Clement St. and Eleventh Avenue.
One-story and mezzanine reinforced concrete store building.
Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Ready for Figures Thursday.
STORE BLDG. Cost, $14,000
SAN FRANCISCO. NE Stanyan and Waller Sts.
One-story frame store building (6 stores, tile facing).
Owner—Hotaling Estate.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $8,500
SAN FRANCISCO. No. 619 Larkin St.
Alter ground floor of hotel into three stores; new store fronts, etc.
Owner—Hotel Lansdale.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Contractor—John Norton, Balboa Bldg., San Francisco.

Completing Plans.
OFFICE BLDG. Cost, $——
LOS ANGELES, Cal. SE 7th and Spring Sts.
Twelve-story Class A bank and office
Owner—W. W. Paden and C. H. Price, Story Bldg., Los Angeles.
Architect—Aleck E. Curlett and Claud Beelman, 408 Union Bank Bldg., San Francisco.
Consulting Architects—Morgan, Wall & Morgan, Van Nuys Bldg., Los Angeles.

Plans Being Prepared.
STORE BLDG. Cost, $25,000
OAKLAND, Cal. E of Lake Merritt.
One-story concrete or brick store building 100x100 (5 stores).
Owner—Not given.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Plans Being Prepared.
OFFICE BLDG. Cost, $30,000
SAN FRANCISCO. Columbus Ave.
Two-story brick and frame office building.
Owner—Withheld.
Architect—L. Mastropasqua, 580 Washington St., San Francisco.

Contractor Taking Sub-Figures.
AUTO SUPPLY BLDG. Cost, $100,000
SAN FRANCISCO. E. Polk bet. Ellis St. and Willow Ave.
Four-story and basement brick auto supply building.
Owner—Chanslor & Lyon Co., 1238 Van Ness Ave., San Francisco.
Architect—W. L. Schmolle, 40 Montgomery St., San Francisco.
Contractor—York Realty Co., 40 Montgomery St., San Francisco.

Contract Awarded.
STORE Cost, $15,000
DINUBA, Tulare Co., Cal.
One-story (50x80) store.
Owner—Clarence Wilson, Dinuba, Cal.
Lessee—J. C. Penny Co.
Architect—Not stated.
Contractor—Woltz and Vetter, Dinuba-Cal.

Contract Awarded.
STORE BUILDING Cost, $30,000
SAN FRANCISCO. S Turk St. West of Taylor.
Two-story and basement reinforced concrete store, bowling alley and loft building, 50x157-6.
Owner—Mortimer S. Samuel.
Supervising Architect — August G. Headman, New Call Bldg., S. F.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.

THEATRES

Plans Being Prepared.
RACE TRACK BLDGS. Cost, $——
SAN BRUNO, San Mateo Ca., Cal. Tanforan.
Race track, barns, grand stands, club houses, etc.
Owner—Pacific Coast Jockey Club, Howard Spreckels, Secretary.
Superintendent of Construction—A. M. Allen, Monterey, Cal.
The grading will be started immediately.

YUBA CITY, Sutter Co., Cal.—Frank Atkins, D St., Marysville, has had plans prepared for a new "airdome" theatre to be erected at the foot of the Feather river bridge facing Second street. The structure will have seating capacity of 1000 persons on ground floor.

Too Late to Classify

Plans Being Prepared.
CHURCH Cost, $27,000
ELK GROVE, Sacramento Co., Cal.
Concrete and wood church, auditorium seating 300.
Owner—Federated Community Church, A. G. McVay, pastor, Elk Grove.
Architect—F. A. S. Foale, Ochsner Bldg., Sacramento, Cal.
Members of the Board of Trustees are: J. A. Polhemus, president; H. H. Hewitt, secretary; R. J. Baker, C. H. Cooper, A. E. Bousefield, Z. Markofer, A. D. Gage.

Working Drawings Being Prepared.
WAREHOUSE Cost, $200,000
SAN FRANCISCO. SW Van Ness Ave and McAllister St.
Eight-story reinforced concrete warehouse.
Owner—Lyon Fireproof Warehouses, 3420 Broadway, Oakland.
Architect—A. Knowles, Hearst Bldg., San Francisco.

Figures to be Taken Shortly.
CHURCH Cost, $40,000
OAKLAND, Near Mosswood Park.
One-story frame and plaster church with terra cotta roof.
Owner—Seventh Day Adventists.
Architect—Clay N. Burrell, First Savings Bank Bldg., Oakland.

Contract Awarded.
FLATS Cost, $15,000
SAN FRANCISCO. Bosworth and Mission Sts.
Three-story frame (3) flats.
Owner—Agnes Shea, 770 5th Ave.
Architect—John J. Foley, 770 5th Ave.
Contractor—G. Ferroni & Son, 1926 Filbert St.

Cnotract Awarded.
RESIDENCE Cost, $5000
SAN ANSELMO, Marin Co., Cal.
Alter two-story frame residence.
Owner—F. J. Crisp.
Architect—Athur S. Bugbee, 26 Montgomery St., San Francisco.
Contractor—D. A. Comiskey, 180 Jessie St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $35,000
PIEDMONT, Alameda Co., Cal.
Two-story frame and plaster residence (12 rooms and garage).
Owner—Stewart Rawlings.
Architect—A. Knowles, Hearst Bldg., San Francisco.

Plans Completed—Owner to Take Figures.
DWELLINGS Cost, $7500 each
OAKLAND, Alameda Co., Cal. Oak Knoll.
Two one-story frame dwellings.
Owner—E. Larkin.
Architect—Clay N. Burrell, 1st Saving. Bank Bldg., Oakland.

SANTA ROSA, Sonoma Co., Cal.—Supervisors sell $25,000 bond issue of Lewis School District for premium of $2,505; proceeds of sale to finance construction of new 1-story frame and plaster school building. Norman R. Coulter, 46 Kearny St., San Francisco, is the architect.

SAN FRANCISCO.—Wm. Bateman, 1915 Bryant St., has been awarded a contract by R. McLeran Co., Hearst Bldg., for the mill work in connection with the addition to the Anglo-London & Paris Bank.

SACRAMENTO, Cal.—Bids will be received until May 22, 1922, at 12 noon by the Custodian of the U. S. Postoffice at Sacramento for installing a water cooler and drinking fountain combined in the Sacramento Postoffice Building.

SAN FRANCISCO.—Bids are being received by J. W. Roberts, superintendent of construction and repairs, Postoffice Building, 7th and Mission Sts., for the following minor improvements to Government buildings in San Francisco:

Water Cooler and Drinking Fountain and Shower to be installed at Station "B", U. S. Custom House. Bids to be opened May 18, 1922, at noon.

Lighting Fixtures to be installed in the same building, to be opened at the same time.

New Partitions, Door and Transom to be installed at Station "B," Custom House, to be opened at the same time.

New Wood Floor in Room 420, Postoffice Building at 7th and Mission Sts. Bids open May 16, 1922, at noon.

HOLLISTER, San Benito Co., Cal.—Elks Lodge of this city will erect $40,000 store, lodge and club building at Fifth and San Benito Sts. Of the total amount required to erect the structure, $36,000 is on hand.

SUBSCRIPTION BLANK

Cut Out and Mail Today

.....192.....

TO BUILDING AND ENGINEERING NEWS,
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Official Proposals

BIDS WANTED FOR TWO FRAME SCHOOLS

Office of the Secretary of the San Mateo School District San Mateo, Calif.

Sealed bids will be received by the Secretary of the San Mateo School District, at his office at the Central Grammar School, San Mateo, California, until **Monday, the 29th day of May, 1922, at 2 P. M. of said day,** the day when said bids will be opened, for the erection and completion of the Central Grammar School at Baldwin and Griffith Avenues, San Mateo, California, and the Poplar Avenue School at Poplar Avenue between C and D Streets, San Mateo, California.

Separate bids will be received for:

(1) The General Work,

(2) The Plumbing Work, Heating Work and Ventilating Work.

(3) The Electrical Work.

Plans and specifications for said work are on file at the office of the Secretary of the Board, and at the office of the architects, John J. Donovan & Sylvain Schnaittacher, 233 Post Street, San Francisco.

On a deposit of twenty-five dollars (25.00) complete sets of said plans and specifications may be had by any prospective bidder. These may be retained for a period of ten (10) days by the general contractors, and for a period of six (6) days by the plumbing and heating and electrical contractors. If these plans and specifications are not returned within said period, or if they be mutilated, the said deposit may be retained by the said School District as agreed and liquidated damages for said detention and mutilation.

Bids must be made on proposals obtained at the office of the Clerk of the Board, and be signed by the bidder, accompanied by a certified check for at least ten per cent (10%) of the amount of the bid or proposal, certified to by some responsible bank or banker, and made payable to J. J. CASEY, Secretary of the Board, to be retained by the said School District as agreed and liquidated damages should the party or parties to whom the contract should be awarded fail to enter into the contract after award, or to give bonds required for the faithful performance of the contract, or any bond required by law.

Bids will be opened by the Board of said District on May 29th, 1922, at the hour of 2 P. M. in the Board Room, in said City of San Mateo. The Board reserves the right to reject any or all bids or any or all items of such bids.

J. J. CASEY,
Secretary of the San Mateo School District.

NOTICE TO BIDDERS

(Steel Lockers)

Notice is hereby given that Oakland School District and Oakland High School District of Alameda County, State of California, hereby calls for sealed proposals to be delivered to the Secretary of the Board, Room 1104, City Hall, west side of Washington Street, between Fourteenth and Fifteenth Streets, on **Monday, May 22, 1922, before the hour of 3 P. M.,** for furnishing certain School Steel Lockers according to specifications therefor on file in the office of the Secretary, to which reference is hereby made. All bids must be made on forms furnished on application to said Secretary at the address above given.

Bids must be sealed in envelopes furnished by the Board of Education and addressed to John W. Edgemond, Secretary of Oakland School District, and must be accompanied by a certified check payable to the order of John W. Edgemond, "Secretary of Oakland School District," for at least 10 per cent of the total amount of all bids submitted by each bidder.

Bids will be opened by the Board of said District on Monday, May 22, 1922, at the hour of 4:30 p. m., in the Board Room, 211 Second Floor of said City Hall, in said City of Oakland. The Board reserves the right to reject any or all bids or any or all items of such bids.

JOHN W. EDGEMOND,
Secretary.

> A call for bids published in this section indicates that bids are desired from other than local bidders. Maximum competition is desired, and this is assured through BUILDING AND ENGINEERING NEWS which reaches every worth-while contractor and materialman in Central and Northern California who bids on public work.
>
> **Rate:** 10 cents per line, per insertion.
>
> All official calls for bids of the California State Highway Commission and Nevada State Highway Commission are published in this section.

NOTICE TO BIDDERS

On Eight Room Annex and Heating Plant to Jefferson School

Notice to bidders is hereby given that bids on the Jefferson school annex and heating plant (separate), as per plans and specifications on file at the office of the Architect, Peter Sala, Room 208 Wilhelt Bldg., Stockton, Cal., will be opened on **Wednesday, May 24th, 1922, at 7:30 P. M.,** at the office of the Board of Education, corner San Joaquin and Lindsay streets.

A deposit of $25 will be required for plans taken from architect's office.

The Board of Education reserves the right to reject any or all bids.

A certified check of ten per cent of the amount bid must accompany said bid.

Dated Stockton, Calif., May 4th, 1922.

By order of the Board of Education.

By ANSEL S. WILLIAMS,
Secretary.

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 1, 1922.—SEALED PROPOSALS will be opened in this office at 3 p.m., May 31, 1922, for the installation complete of two full magnet control electric passenger elevators for the U. S. Veterans' Hospital No. 24, Palo Alto, Calif. Drawings and specifications may be obtained at this office in the discretion of the Supervising Architect, Jas. A Wetmore, Supervising Architect.

NOTICE TO CONTRACTORS

Irrigation Works

Sealed bids will be received by the Directors of the Grenada Irrigation District, Siskiyou County, California, at their office in Grenada, California, up to **1:00 P. M., May 24th, 1922,** for the construction of 9½ miles of drainage ditches, requiring approximately 92,380 cubic yards of cut.

Also, two (2) Irrigation Ditches requiring 1450 cubic yards of excavation.

Also, eight (8) Corrugated Iron Pipe Culverts with concrete headwalls, and two (2) timber bridges.

Also, a Metal Flume on timber bents and concrete transitions.

At the time and place named, the bids will be publicly opened and read, and the work will be let to the lowest responsible bidder.

Plans, specifications and form contract can be seen at the office of the District at Grenada, or at the office of the District's Engineer, Fred H. Tibbetts, in the Alaska Commercial Building, San Francisco.

Full sets may be taken out on the deposit of $10.00 to insure return.

Each bid shall be accompanied by a certified check for not less than 10% of the bid, made payable to the President of the Board of Directors of the Grenada Irrigation District, to be held as security for the execution of the contract by the bidder if the work is awarded to him.

The District reserves the right to reject any or all bids.

By orders of the Board of Directors of Grenada Irrigation District.

J. G. HADDOCK,
President.
VICTOR BOVO,
Secretary.

BIDS WANTED FOR INFIRMARY

NOTICE TO CONTRACTORS

OFFICE CONSTRUCTING QUARTERMASTER, FORT MASON, SAN FRANCISCO, CALIF.—Sealed proposals, in triplicate, for constructing an Infirmary at Benicia Arsenal, Calif., will be received here until 11 A.M., May 17, 1922. Plans, etc., furnished on application. Ten Dollars ($10.00) deposit required to insure return of plans.

NOTICE TO BIDDERS

(School Addition)

Notice is hereby given that sealed proposals or bids will be received at the office of the City Superintendent of Schools, City Hall, Eureka, California, **up to 7:30 P. M., on the 19th day of June, 1922,** for the construction of shower and various other rooms on the north side of the present High School Gymnasium, for the Eureka High School District, according to plans and specifications on file at the office of the City Board of Education.

All proposals or bids must be accompanied by a Cashier's Check payable to Eureka High School District for an amount which shall not be less than five per cent of the aggregate of the proposal, or by a bond for the same amount and so payable, signed by the bidder and two sureties who shall justify before any officer competent to administer an oath in double the said amount and over and above all statutory exemptions.

A deposit of $10.00 will be required for the safe return of plans and specifications.

The Board of Education of the City of Eureka reserves the right to reject any and all bids.

GEO. B. ALBEE,
Superintendent of Schools of the City of Eureka.

NOTICE TO CONTRACTORS FOR CONSTRUCTION OF ADDITION TO PALO ALTO CITY HALL

The Board of Public Works of the City of Palo Alto, County of Santa Clara, State of California, invites and will receive at its office in the City Hall, Ramona Street, Palo Alto, California, **up to the hour of 7:30 P. M., May 15, 1922,** at which place said

bids will be opened, sealed proposals for furnishing all the necessary materials, tools and labor for constructing an addition to the Palo Alto City Hall on Ramona Street, Palo Alto, California, said addition to be completed by September 1, 1922, in accordance with plans and specifications and conditions now on file in the Palo Alto City Hall, Palo Alto, California.

Copies of said plans and specifications and conditions may be obtained from the City Engineer, J. F. Byxbee, Palo Alto City Hall, Palo Alto, California, upon depositing the sum of Ten Dollars ($10.00) and must be returned within six days or the said deposit will be forfeited.

Bids must be made on proposals obtained at the office of the City Engineer and be signed by the bidder, accompanied by a certified check for at least 10 per cent of the amount of the bid, certified to by some responsible bank or banker and made payable to the Board of Public Works, City of Palo Alto, to be retained by said Board of Public Works as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or to give bonds required for the faithful performance of the contract, or any bond required by law.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works, City of Palo Alto, County of Santa Clara, State of California.

May 4, 1922, Palo Alto, Calif.

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **The California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on June 5, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Orange County, between Irvine and Tustin (VII-Ora-2-C), about five and eight-tenths (5.8) miles in length, to be paved with Portland cement concrete.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated May 8, 1922.

BIDS WANTED FOR FURNISHING CRUSHED ROCK

Sealed proposals will be received by the undersigned at the office of the Department of Highways, Reno, Nevada, until 2:00 P.M., May 24th, 1922, for furnishing 39,000 TONS of crushed rock f.o.b. cars at sidings on the Western Pacific Railroad between Reno and Purdy.

Specifications, proposal forms and contract may be examined and secured at the Department of Highways Office in Carson City or Reno. Bids must be on proposal form of Highway Department, and must be accompanied by a certified check in the amount of 5% of the bid.

Each bidder must accompany his bid with a certificate from a surety company, duly authorized to do business in this State, stating that such Surety Company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and specifications.

Right is reserved to reject any or all bids.

GEORGE W. BORDEN,
State Highway Engineer.
Carson City, Nevada.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

NOTICE TO CONTRACTORS

Sealed proposals will be received by the undersigned on May 31st, 1922, for constructing portions of the State Highway System as follows:

(1) Bids received until, and opened at 1.30 P. M. for grading, construction of culverts and placing gravel surface in Elko County, between Elko and Hallock.

(2) Bids received until, and opened at 2:30 P. M., for grading, construction of culverts and placing gravel surface in White Pine County, between Illipah and Robinson's Summit.

(3) Bids received until, and opened at 3:30 P. M. for grading, construction of culverts and placing gravel surface in White Pine County, between Pancake Summit and Illipah.

Plans may be examined and form of Proposal, Contract and Specifications secured at office of undersigned. May also be examined at the County Clerk's or Division Engineer's office in Elko for Elko County work, and at Division Engineer's office, Elko, County Clerk's office, Ely, or District Engineer's office, Bureau of Public Roads in San Francisco, California, and Ogden, Utah, for White Pine County work.

Cash deposit of fifteen dollars ($15.00) with undersigned required for copy of plans, which will be refunded on their return in good condition. Bids must be on Proposal form of Highway Department, and must be accompanied by a certified check in the amount of 5% of the bid.

Each bidder must accompany his bid with a certificate from a surety company, duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said Specifications, conditioned for the faithful performance of the provisions of the contract and specifications.

Right is reserved to reject any or all bids.

GEORGE W. BORDEN,
State Highway Engineer,
Carson City, Nevada.

TO CALL BIDS FOR ORDNANCE BUILDINGS, RAILROAD AND WATER SYSTEM EXTENSIONS

The Bureau of Yards and Docks will open proposals in the near future on specifications No. 4566 for six ordnance buildings, railroad track, and water extensions at the Naval Operating Base, (Ammunition Depot, Kuahua), Pearl Harbor, T. H.

The work will consist of the erection of six ordnance buildings, each having concrete foundations and floor base. The work also include railroad track extensions and extension of present water mains for fire protection purpose. The pyrotechnical storehouse and storehouse for small arms ammunition will have steel roof and wall framing covered with protected sheet metal, wood finish flooring on the concrete floor base, steel sash and wood sheathing on ceilings and interior of walls. Ignition and storehouse will have a stuccoed hollow tile walls, concrete roof deck and built-up roofing and asphalt mastic floor finish or concrete base. The torpedo storehouse, warhead storehouse and extensions to mine storage building will each have stuccoed hollow tile walls, wood roof deck and built-up roofing, steel sash and a crane. A system of lightning protection will be provided for extension to mine storage building.

Plans and specifications may be obtained when available from the Bureau of Yards and Docks, Navy Department, Washington, D. C., Commandant Navy Yard, Mare Island, California, and the Commandant, Naval Operating Base, Pearl Harbor, T. H., upon depositing a check or postal money order for $10.00, payable to the Chief of Bureau of Yards and Docks as security for the safe return of the plans and specifications.

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the **California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on May 29, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Sonoma County, between Willow Brook and 1 mile south of Petaluma (IV-Son-1-C), about four and three-tenths (4.3) miles in length, to be surfaced with asphalt concrete.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated May 1, 1922.

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., April 28, 1922.—SEALED PROPOSALS will be opened in the office of the Superintendent at Fort Bayard, N. Mex., at 12 m., May 26, 1922, and at this office at 3 p. m., May 26, 1922, for the extension and remodeling of the sewage tank and filter beds at the United States Veterans' Hospital at Fort Bayard, N. Mex. Drawings and specifications may be obtained from the Office of Superintendent at Fort Bayard, N. Mex., or from this office in the discretion of the Supervising Architect, Jns. A. Wetmore, Acting Supervising Architect.

HARDWARE FIRM CHANGES HANDS

L. D. Thomas and J. L. Michelson of Lodi and W. C. Archibold of Stockton have purchased the stock of Lodi Hardware Company in West Elm street, Lodi. The change of ownership is effective May 15.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SEE APPLICATIONS FILED AND PERMITS GRANTED BY STATE WATER COMMISSION.

CALIFORNIA.—State Department of Public Works applies to Railroad Commission to construct crossing over tracks of San Francisco-Sacramento Railroad near Denverton, Solano County.

FORTUNA, Humboldt Co., Cal.—Town Trustees reject bids to construct a concrete bridge over Rohner creek. Five bids received ranged from $5750 to $8395. Specifications will be revised. F. A. McKee, Town Engineer.

LOS ANGELES, Cal.—Until 10 a.m. June 2, bids will be received by Board of Harbor Commissioners for landing equipment for ferry ship at Berth 234. Specifications No. 379. Information from Harbor Engineer, Los Angeles Harbor. Certified check or bond 10 per cent. Guy W. Wade, secretary.

SAN BERNARDINO, Cal.—City Engineer C. E. Johnson is preparing plans for two bridges costing $15,000 each, to be built over Warm Creek, one on Arrowhead Ave. and the other on Third St.

PRESCOTT, Ariz.—A. W. Daniels, Tucson, awarded contract at $19,730 for constructing Yavapai County steel bridge, including abutments, complete, over Lynx Creek.

SANTA BARBARA, Cal.—County Surveyor Owen H. O'Neill has recommended to the supervisors the construction of a bridge across Zaca Creek where it crosses the Zaca Station-Foxen Canyon Road.

SANTA ANA, Cal.—Orange, San Bernardino and Riverside Counties are planning a joint project for the control of the Santa Ana flood waters, and a committee from each county, including representatives of supervisors, Santa Ana Valley Irrigation Co., City of Santa Ana and Orange County Farm Bureau, seventy-five in all, made a trip of inspection with a view to completing plans for constructing a series of dams and storage reservoirs.

SANTA BARBARA, Cal.—County Surveyor Owen H. O'Neill has filed with supervisors his report regarding Gibraltar Dam. The investigation, made in company with Engineer McGregor of Union Sugar Co., disclosed the fact that the concrete apron was resting on a broken and uncertain foundation and that any delay in repairs to same would be criminal negligence.

CALIFORNIA.—Following bids received by State Highway Commission, May 8, to construct in San Luis Obispo and Santa Barbara Counties, across Cuyama River, about 11 miles east of Santa Maria, a bridge consisting of one 200-ft. steel truss span and 5 30-ft. reinforced concrete girder approach spans with necessary pier, abutments and bents. Project involves: One steel span, 200 ft. 3 in. center to center of end pins, erected in place and painted complete, except reinforced concrete floor; 630 cu. yds. Class A Portland cement; concrete in place, in pier, abutments, wing walls, caps, beam over pier, approach spans and floor of steel span; 245 cu. yds. Class C Portland cement concrete in place, in pier; 92 Douglas fir piles in place; 16 reinforced concrete piles in place. Commission will furnish reinforcing steel, in straight bars cut to lengths, and cement:

Parlier & Lowry, Tulare	$50,819.00
M. Ledbetter, L. A.	52,082.50
Security Bridge Co., Santa Monica	52,427.50
de Waard & Cobham, San Diego	57,314.00
Frank Hudson, L. A.	63,262.90
Pacific Constr. Co., S. F.	69,725.00
A. W. Kitchen, Oakland	73,255.00
West Coast Constr. Co., S. F.	75,671.76

Engineer's estimate, $58,783.50.

HAYWARD, Alameda Co., Cal.—Until May 17, 8 P. M., bids will be received by M. B. Templeton, Town Clerk, to construct reinforced concrete culvert in Jackson street. Jesse B. Holly, Town Engineer.

YUBA CITY, Sutter Co., Cal.—Edw. H. Martin, Syndicate Bldg., Oakland, at $13,994 awarded contract by Supervisors to rebuild (concrete) floor in Feather River bridge bet. Marysville and Yuba City. Steel beams and railings will be placed. Bids received follow: H. C. Vensano, San Francisco, (a) wood, $14,720; (b) concrete, $15,858; time 60 days. Edw. H. Martin, (a) 12,000; (b) $13,994; 45 days. Davison and Nicholson, San Francisco, (a) $20,460; (b) $24,400; 60 days. W. B. Kyle, San Francisco, (a) $19,960; 90 days. Geo. Pollock Co., Sacramento, (a) $16,404; (b) $19,780; 60 days. Erle L. Cope, 58 Sutter St., San Francisco, engineer.

OAKLAND, Cal.—Alameda County Supervisors decide to proceed with the plans for Bascule bridge across the estuary at Webster street, and sue the S. P. Co. for breach of contract later Geo. A. Losey, County Surveyor.

SANTA ROSA, Sonoma Co., Cal.—County Surveyor R. Press Smith instructed to prepare specifications for bridge over Dry Creek in Fourth Road District.

OROVILLE, Butte Co., Cal.—Until June 5, 1:30 p.m., bids will be received by C. F. Belding, county clerk, to construct bridge over Lateral D of Reclamation District 833, on Gridley-Colusa Road, involving 64 cu. yds. class A reinforced concrete; 41 cu. yds. excavation and 17 cu. yds. backfill.

Separate bids, same date, to construct bridge over Cherokee Canal on Gridley-Colusa Road, involving 100.5 cu. yds. class A reinforced concrete; 22 cu. yds. excavation and 4 cu. yds. backfill. Harry H. Hume, county surveyor.

PRESCOTT, Ariz.—Bids will be called for in about thirty days for construction of the Banning Creek dam, to be built as an adjunct to the Prescott water system. It will be of concrete construction, 20% cyclops type, 292 ft. long, with a wing-wall sustaining the spillway 225 ft. long, 62 ft. high, 6 ft. at top, with base 42 ft. Est. cost, $150,000. A. J. Kline, city engineer.

SAN DIEGO, Cal.—Hydraulic Engineer H. N. Savage has recommended to City Council the enlargement of the Morena Spillway, at a cost of $100,000, increasing the capacity to approximately 5,000,000 gallons. The report also recommends that automatic positive releasing flash gates be purchased and installed at once at Lower Otay and Barrett reservoirs.

Engineers and Contractors
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Phone Douglas 1118

IRRIGATION PROJECTS

SEE APPLICATIONS FILED AND PERMITS GRANTED BY STATE WATER COMMISSION.

GRENADA, Siskiyou Co., Cal.—Until May 24, 1 p.m., bids will be received by Grenada Irrigation District, Victor Bovo, secretary, to construct 9½ miles drainage ditches, requiring approximately 92,380 cu. yds. cut; 2 irrigation ditches, requiring approximately 1150 yds. excavation; 8 corrug. iron pipe culverts with concrete head walls and 2 timber bridges; metal flume on timber bents and concrete transitions. Fred H. Tibbetts, Alaska Commercial Building, San Francisco, engineer. **See calls for bids under official proposal column in this issue.**

ROSEVILLE, Placer Co., Cal.—Petitions are being circulated seeking formation of Roseville Irrigation District comprising 40,000 acres.

LIGHTING SYSTEMS

SAN BERNARDINO, Cal.—Proceedings for ornamental lights on E St. bet. Mill and Third St., and on F St. bet. Rialto Ave. and Fifth St., will be started by the Council soon.

VENTURA, Cal.—Dan K. Davies submitted low bid to city trustees at $3606 for extending ornamental lighting system on Main St. Other bids were: C. W. Sparks, $3745; J. H. Jordan, $4388.

PASADENA, Cal.—W. A. McNally, 106 W. Colorado St., awarded contract at $20222 for constructing conduits in Grand Ave. and in portions of other streets.

MACHINERY

SEE APPLICATIONS FILED AND PERMITS GRANTED BY STATE WATER COMMISSION.

CHICO, Butte Co., Cal.—Until May 15, bids will be received by E. T. Williamson, Secretary Bidwell Park and Playground Commission, Municipal

Bldg., to furnish and install automatic water pressure system at 5-mile dam, to have capacity of at least 1000 gals. an hour, with 1-hp. electric motor and a pump with a capacity the same as commonly known as a 4x5 pump, and tank approx. 48 in. by 10 ft. in dimensions.

DINUBA, Tulare Co., Cal.—May 16 is date set to vote bonds of $5000 to purchase street cleaning equipment.

SAN ANSELMO, Marin Co., Cal.—Sanitary District No. 1, Marin County, J. E. Manning, Secertary, will receive bids up to May 23, 8 p.m., for furnishing and delivering Ford roadster equipped with delivery box body, self-started and demountable rims.

PORTERVILLE, Tulare Co., Cal.—Wilbern Howell and L. W. Villemen awarded contract at $1100 for installing auxiliary pumping plant at the High School grounds. The equipment includes tank, tower, motor and pump.

BURLINGAME, San Mateo Co., Cal.—Great Western Supply Co., 549 Howard St., San Francisco, bidding from $48.50 to $52.50 a ton, awarded contract by trustees to furnish and deliver Burlingame, 2900 ft. 6-in. and 6600 ft. 4-in, C. I. Class B pipe for Municipal waterworks.

PASADENA, Cal.—Until 11 a.m. May 16, bids will be received by city clerk for 2½-ton auto truck chassis; one steel dump body; and alternative to chasis, viz: 3-ton truck. Specifications on file with Bessie Chamberlain, clerk.

SANTA ANA, Cal.—Wilshire Oil Co. has been granted a franchise to lay pipe line about 1 mile in length in Orange County.

OAKLAND, Cal.—Los Angeles Shipbuilding and Dry Dock Co., San Pedro, at $587,000 awarded contract by San Francisco-Oakland Terminal Railways to construct two steel double-end ferryboats.

LOS ANGELES, Cal.—City Council has granted to General Pipe Line Co. franchise to lay two lines of 8-in. pipe, beginning at Pacific Ave. and 23rd St., thence to 22nd, thence to Crescent Ave., thence north to 21st St.

SACRAMENTO, Cal.—Bids to construct the filter house, the remaining unit of the Sacramento filtration plant, will not be called until a decision is rendered by the State Supreme Court as to the validity of the city charter, according to the City Commissioners. The status of the $900,000 bond issue, voted December 21 last, depends on the charter's constitutionality. Plans for the filter house have been completed, and should a favorable decision be forthcoming, immediate constrution is planned.

OAKLAND, Cal.—Until May 11, 5 P. M., bids will be received by Jay B. Nash, Secretary, Playground Commission, 404 City Hall, for furnishing and delivering one 1-ton auto truck for Recreation Department.

MADERA, Madera Co., Cal.—Until June 5, 7:30 p.m., bids will be received by G. M. Shedd, secretary Madera Union High School District, for furnishing 2 Reo speed wagons, chassis only, and 2 bodies, to be similar to those now in use by Dixieland School District. Specificaations will be furnished on request.

SAN FRANCISCO—Until May 16, 12 M., bids will be received by Jas. De Succt, secretary Park Commission, Park Lodge, Golden Gate Park, for furnishing and delivering one 5-ton motor truck, dump body, complete. Specification will be furnished on request.

SAN FRANCISCO.—Until May 18, 12 M., bids will be received by Jas. De Succa, secretary Park Commission, Park Lodge, Golden Gate Park, for furnishing one revolving steam shovel mounted on a caterpillar tractor with a three-fourths yard dipper. Specifications on file in office of secretary.

OAKLAND, Cal.—City Council, Eugene K. Sturgis, clerk, appropriates $2780 to drydock, paint and repair dredge "City of Oakland," including anchor barge, cable barge and pontoons.

AJO, Ariz.—"New Cornelia" will build a 10,000-ton flotation plant, according to plans now under way. W. R. Weymouth, designer of C. C. Moore Construction Co. of Kansas City, has been in Ajo inspecting site and preparing data.

VALLEJO, Solano Co., Cal.—City Council has authorized purchase of 800 water meters. Estimated cost, $10,000. T. D. Kilkenny, city engineer.

RAILROADS

VALLEJO, Solano Co., Cal.—Unofficial reports in this city are that the Western Pacific Railroad on completion of its spur line into Vallejo from Winters will construct an extension into Lake County.

GLOBE, Ariz.—Whaley Lumber Co. has been awarded contract for grading and concrete work on railroad extension being built from Inspiration to Porphry Extension for Inspiration Consolidated Copper Co.

FIRE EQUIPMENT

FRESNO, Fresno Co., Cal.—Fire Chief Berkholtz seeks $603,124 in the 1922-23 budget; of this amount $77,000 to purchase new apparatus; $9360 to purchase additional hose and $82,600 for new quarters.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

FRESNO, Fresno Co., Cal.—California Road and Street Improvement Co., Bank of Italy Bldg., Fresno, at $20,122 submits low bid to council to improve Lane St. bet. Olive and Florodora, involving 54,657 sq. ft. grading: 49,836 sq. ft. 3½-in. asphaltic base with 1½-in. Warrenite top pavement; 4629 sq. ft. gutter; 2493 lin. ft. curb; 11,732 sq. ft. walks; 106 lin. ft. 12-in. corrugated culvert; 2 manholes. Other bidders: Federal Construction Co., $20,-238; Thompson Bros., $20,543.

Thompson Bros., 1514 H St., Fresno, only bidders at $689 to construct 740 lin. ft. 6-in. sewer and 1 manhole in Blocks 8 and 24, Hazelwood.

Federal Construction Co., Call Bldg., San Francisco and Griffith-McKenzie Bldg., Fresno, at $19,685, low bidder to improve Alta Ave., bet. Hazelwood and Fourth St., involving 68,199 sq. ft. grading; 63,881 sq. ft. 2½-in. black base with 1½-in. top pavement; 4164 sq. ft. gutter; 630 ft. curb; 3741 sq. ft. walks; 337 ft. 12-in. culvert and 6 manholes. Other bidders: Thompson Bros., $20,695; California Street and Road Improvement Co., $20,273. Bids under advisement.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy completes specifications to construct 300 lin. ft. 12-in. vit. sewer, 22 wye branches and 1 br. manhole in Oakdale avenue, between Lane and Keith streets, estimated cost $1,360.

MARTINEZ, Contra Costa Co., Cal.—City Trustees adopt plans to pave and sewer district east of Pine street. Estimated cost, $50,000. B. H. Greene, City Engineer.

VISALIA, Tulare Co., Cal.—Until May 15, 8 p.m., bids will be received by Ida Markham, city clerk, for furnishing and delivering 1000 or more bbls. road oil running from 65 to 70 per cent asphalt, f.o.b. cars Visalia. Specifications on file in office of clerk. L. H. Gadsby, city engineer.

CARSON CITY, Nevada—Gillespie & Russell submit low bid to State Highway Commission to construct highway between Elko and Deeth. Other bids: Nevada Contracting Co., $143,732; Boyd Bros., $145,478. Engineer's estimate, $145,774.

CARSON CITY, Nevada.—Kroft and Bundy, Ogden, Utah, at $45,717 awarded contract by State Highway Commission to construct highway in Humboldt County from 5 miles west of Valmy to east county line, Humboldt 1-D. Other bidders: Dodge Bros., Fallon, Nev., $53,955.30; Strange & Vallandingham, Salt Lake City, Utah, $56,934.32; Nevada Contracting Co., Fallon, Nev., $57,340.50; J. H. Causten, Lovelock, Nev., $48,821.40.

JACKSON, Amador Co., Cal.—Bid of W. J. Schmidt, Berkeley, at $8963 to improve portions of Main, Water, Vogan and Broadway St. rejected and work postponed indefinitely. Project involves 47,216 sq. ft. oil macadam pavement; 861.9 lin. ft. brick storm drains, and 486 lin. ft. concrete curb. Ohm and Raab, engineers, Stockton.

SACRAMENTO, Cal.—Until May 11, 9 p.m., bids will be received by R. B. Carlton, city clerk, to resurface with asphalt Folsom Blvd., bet. 31st and 35th Sts. Albert Givan, city engineer.

OAKLAND, Cal.—Until May 18, 12 M., bids will be received by Eugene K. Sturgis, city clerk, to improve Bond St. bet. 45th and 46th Aves., by grading, constructing concrete curbs, gutters and walks, paving with oil macadam.

Separate bids, same date, to improve portions of Grove St. by grading, constructing concrete curbs and gutters, and paving with asphalt concrete. Improvement Act 1911. W. W. Harmon, city engineer.

VISALIA, Tulare Co., Cal.—City Council, Ida Markham, clerk, declares intention to improve West Acequia St., bet. South Court and South Conyer; South Conyer bet. West Acequia, and West Main bet. West Acequia and concrete culvert over Mill Creek, all by grading, paving with 4in. asphalt concrete base with 1½in. Warrenite-bit. surface, hyd. concrete curbs and gutters; paving alley approaches with 5-in. concrete catch basins, etc. Bond Act 1915. Protests May 17. L. H. Gadsby, city engineer.

SAN RAFAEL, Marin Co., Cal.—S. P. Brownlee, San Rafael, at $23,902 awarded contract by supervisors to improve Red Hill road in District No. 5. Geo. M. Dodge, county surveyor.

DINUBA, Tulare Co., Cal—De Waard and Cobham, Granger Bldg., San Diego, fail to sign contract awarded them at $122,700 to construct sewage disposal plant and new bids will be opened May 17, 8 p.m. Chas. E. Sloan, Santa Fe Bldg., San Francisco, engineer.

SAN FRANCISCO.—M. M. O'Shaughnessy completes specifications to improve Humboldt St., bet. Kansas and Vermont, estimated cost $3875; involving 400 lin. ft. concrete curb; reset 44 lin. ft. granite curb; reset 2 br. catchbasins; 275 sq. ft. artificial stone walks; 2340 s. ft. asphalt concrete and 8400 sq. ft. concrete pavement.

Specifications completed to improve Vernon bet. Holloway and Garfield, est. cost $7550; involving 1330 lin. ft. concrete curb; 7500 sq. ft. concrete and 12,450 sq. ft. asphalt concrete pavement.

BAKERSFIELD, Kern Co., Cal—City Council, V. Van Riper, city clerk, declares intention to construct 6-in. vit. sewers, manhols and lampholes in Sewer District No. 447. Improvement Act 1911. Protests May 22. W. D. Clarke, city engineer.

SAN FRANCISCO.—Until May 17 bids will be received by Board of Public Works to improve Market St. bet. Mono and 24th Sts., estimated cost $70,000; involving 2200 cu. yds. cut; 400 cu. yds. fill; 12 brick catch basins; 3 storm water inlets; 400 lin. ft. 10-in. vitrified culvert; 50 lin. ft. 6-in. open tile drain; reconstruct 1 manhole; 17 flights of steps; 1 safety station; 600 lin. ft. 2x8-in. redwood headers; 485 lin. ft. 8-in. concrete curb, Type F; 6200 lin ft. standard concrete curb, 200 lin. ft. special Type D coping; 170,500 sq. ft. asphalt concrete pavement; 55,000 sq. ft. artificial stone walks; 1078 lin. ft. galvanized iron pipe railing; 140 concrete post footings, Type E. M. M. O'Shaughnessy, city engineer.

MODESTO, Stanislaus Co., Cal.—The Supervisors petitioned to form highway district on West Side, Newman section. J. H. Hoskins, County Surveyor.

MERCED. Merced Co., Cal.—Bids have been ordered received by the Supervisors for work in Road District No. 1 (Livingston-Atwater Section). It is probable the bids will be opened May 22. A. E. Cowell, County Surveyor.

HAYWARD, Alameda Co., Cal.—Town Engineer Jesse B. Holly is preparing specifications to pave Watkins street, between A and Jackson; D street, bet. Watkins and Valley and First street, bet. B and E streets.

LOS ANGELES, Cal.—Board of Public Works will call for bids for proposed sewage treatment plant at Ballona Creek as soon as suit to condemn site is filed by city attorney. The work will include construction of two reinforced concrete reservoirs and pumping plant, estimated to cost $30,000; two reinforced concrete settling tanks to cost $52,000; and 1½ acres concrete filter beds and piping estimated to cost $53,000. Plans will not be given out until the city can gain possession of site which will be as soon as condemnation is filed.

OXNARD, Cal.—Until 8 p.m. May 23, bids will be received by City Clerk Frank B. Pettie for street work as follows: 327,591 sq. ft. 6-in. concrete on 5th St.; 79,191 sq. ft. 5-in. concrete on East 6th St.; 52,812 sq. ft. 5-in. concrete on Meta St. and 56,106 sq. ft. 5-in. concrete on Enterprise St. Samuel G. Bennett, city engineer.

NAPA, Napa Co., Cal.—Napa City Council will negotiate with officials of Napa City Water Co. to purchase company's plant for a municipal water system. It is thought the system can be purchased for $240,000. The council plans a $300,000 bond election to finance the purchase and to develop the Milliken Canyon property, recently acquired by the city for water purposes. H. A. Harrold city engineer.

SAN ANDREAS, Calaveras Co., Cal. Until June 5, 1 p.m., bids will be received by A. W. Poe, county clerk, to grade or gravel or grade and gravel approximately 15,840 ft. of North Fork Grade Road bet. North Fork of the Mokelumne River and the town of West Point. W. S. Coulter, county surveyor.

LOS ANGELES, Cal.—Until 10 a.m. May 22 bids will be received by Board of Public Works for grading to finished grade and paving with 5-in. concrete the first alley SW of Florida St. bet. Francisco St., and NW line of Florida Tr. and a portion of Francisco St., a total of 11,169 sq. ft.; Vrooman Act.

SUSANVILLE, Lassen Co., Cal.—Byron P. Lyons, chief engineer, Millwood Sanitary District, making surveys for sewering entire district and putting in modern disposal plant. Will construct approximately 20,000 ft. of sewers.

INGLEWOOD, Cal.—Plans and profiles of paving Centinela Ave. bet. Damask St. and city limits as presented by city engineer were approved last week by the City Council. Work includes culverts. Est. cost, $23,278.

VENTURA, Cal.—Until 11 a.m., May 23, bids will be received by supervisors, L. E. Hallowell clerk, for improving portion of Middle Road in the Fourth Road District and the city of Santa Paula., beginning at the Cummings Read and ending at West Main St. in city of Santa Paula. Right reserved by Board to increase contract by extending road 1300 ft. north. Work involves 5000 cu. yds. excavating, 14,300 lin. ft. shaping and rolling, 39 cu. yds. concrete culverts, 228,800 sq. ft. macadam paving, 2545 lbs. reinforced steel, and corrugated iron pipe. Owen H. O'Neill, county surveyor.

SAN BERNARDINO, Cal.—City Engineer C. E. Johnson is preparing plans for street improvements to cost approximately $140,000. The work will include paving, sewers, bridges and ornamental lighting. The principal part of this work is a storm drain sunken pavement on A St. to cost $100,000.

PHOENIX, Ariz.—City Commission declare intention to improve portions of Garfield St. and the alley in Blk. 7, Churchill Addition, by grading, paving part with bitulithic surfacing on bitum.-concrete base and part with 5in. cement concrete; constructing combined concrete curb and gutter, single curb, gutters, manholes, concrete standpipes, irrigating pipes, monument covers and street signs.

TRACY, San Joaquin Co., Cal.—City Trustees, Geo. L. Frerichs, clerk, declare intention to improve portions of 11th St. by grading, constructing concrete curbs and cutoff walls; paving with concrete from 6-in. to 9in. thick, and 5½-in. concrete pavement with 1¼-in. natural bitumen top; catch basins; sewer extensions; manholes, etc. Improvement Act 1911, and Bond Act 1915. Protests May 25. W. D. Harrington, city engineer.

SANTA CRUZ, Santa Cruz Co., Cal. City Council, S. A. Evans, clerk, declares intention (Res No. 309-C), to improve portions of Errett Circle, California Ave, Younglove and Woodrow Wilson Ave., and Cliff Drive. Project Involves 341,611.92 sq. ft. grading; 192,649.15 sq. ft. 5-in. concrete pavement; 2,730.17 ft. detached concrete curb; 1,047.66 ft. standard concrete sidewalk curbs; 4,800.93 sq. ft. 4-in. concrete sidewalks; 12 ft. concrete driveway approach; 2 br. manholes; 787 ft 6-in sanitary sewer; 3510 ft 4-in. lateral sewers 96 rand traps; 244 ft 24-in., 1778.47 ft. 18-in., 665.66 ft 15-in., 1371 ft 12-in. and 711 ft. 10-in. drain pipe, 11 manholes for storm water drains; 736 ft 51¼x18-in Type A, 157 ft. Type B, 61 ft Type C part circle corrugated metal-concrete culvert and 58 51¼x12-in Type and 100 1x8-in Type A part circle corrugated metal concrete culvert; 51 concrete catch basins. Improvement Act 1911. Protests May 23. James K. James, city engineer.

SANTA BARBARA, Cal.—Until 10 a.m., May 18 bids will be received by supervisors to pave Bell St. in the town of Los Alamos on each side of the State Highway, bet. St. Joseph and Helena Sts., also for paving Centennial and Helena St. in same town, in fifth road district. Certified check 10 per cent. Owen H. O'Neill, county surveyor.

SAN FRANCISCO.—Until May 17, 3 p.m., bids will be received Board of Public Works for street work as follows:

Girard St. bet. Olmstead and Mansell, involving 519 cu. yds. cut, 1006 cu. yds. fill; 800 lin. ft. concrete curb; 5600 sq. ft. vert. fiber brick; 10,400 sq. ft. asphalt concrete pavement on 6-in. concrete base with 1½-in. asphalt concrete surface.

East side 32nd Ave., bet. Geary and Clement, involving 600 sq. ft. artificial stone sidewalks.

Joost Ave., bet. Acadia and San Jose Ave. ,involving 50 lin. ft. concrete curb and 1000 sq. ft. concrete pavement.

Hearst Ave., bet. Congo and Detroit, involving 425 cu. yds. cut; 980 cu. yds. fill; 1200 lin. ft. concrete curbs and 18,000 sq. ft. asph. concrete pavement. M. M. O'Shaughnessy, city engineer.

SANTA MONICA, Cal.—Until 10 A. M., May 16, bids will be received by City Council for paving 11th street bet. Pico and Wilshire Blvds. with 1½-in. Warrenite-bitul. wearing surface on 2½-in. asph. concrete base, including grading. 1911 act. John A. Morton, City Engineer.

BOISE, Idaho.—Until May 20, 2 P. M., bids will be received by Commissioner of Public Works, State Capitol, Boise, for Federal Aid Project No. 55, being 9.94 miles of grading without bridges over 30-foot span on the north and south highway.

Project involves: 31,300 lbs. reinforced steel; 2510 lin. feet corrugated pipe; 491 cu. yds. concrete; 92,000 cu. yds. earth excavation; 120,000 cu. yds. rock excavation; 7 acres clearing and grubbing; 91,100 sta. yds. overhaul; 750 cu. yds. rip rap, loose.

EAST SAN DIEGO, Cal.—City Engineer has reported that the estimated cost of proposed water system will be $260,000. E. A. Roe, hydraulic engineer, representing L. B. Lippincott, water expert, also reported that the distributing system as planned is scientifically correct.

PHOENIX, Ariz.—City Commission declares intention to pave Garfield St. get. Central Ave. and First St. with bitulithic surface on bituminous concrete base, and alley in Blk. 7, Churchill Addition, bet. Garfield and Roosevelt St., with 5-in. cement concrete; constructing combined concrete curb and gutter, concrete standpipes, irrigating pipes, concrete gutters, street signs and monument covers.

SACRAMENTO, Cal.—Until May 18, 9 p.m., bids will be received by H. G. Denton, city clerk, to improve 51st St., bet. Folsom Blvd. and V St., and P St., bet. 48th and 51st St., by constructing concrete curbs and gutters, C. I. gutter drains with 6-in. vit. sewer connections, concrete manholes; reconstruct manholes; 8-in. vit. sewers; grading and paving with 5½-in. asphalt concrete.

Separate bids, same date, 44th St., bet. 4th and 14th Aves., by constructing concrete curbs and gutetrs; C. I. gutter drains with 6-in. vit. sewer connections; concrete manholes; reconstruct manholes; extend 6-in. vit. sewer services; construct 8-in. vit. sewer stubs to property line and connect manholes with 10-in. vit. pipe; ¾-in water main connections; grading and paving with 5½-in. asphalt concrete.

Separate bids, same date, 42nd St., bet. F and H Sts., by constructing concrete curbs and gutters; C. I. gutter drains with 6-in. vit. sewer connection, constructing concrete manholes, reconstruct manholes; extending 6-in. vit. sewer service connection, 8-in. vit. sewer, ¾-in. water main connections; grading and paving with 5½-in. asphalt concrete.

Separate bids, same date, 41st St., bet. 8th Ave. and point 450 ft. south by constructing vit. sewer with 12 6-in. wye branches, 6-in. vit. sewer services to property line, 1 concrete manhole.

Separate bids, same date, Downey Way bet. 39th and point 100 ft. east by constructing concrete curbs and gutters, ¾-in. water main connections, grading and paving with 5½-in. asphalt concrete.

Separate bids, same date, alley first east of 36th St., from manhole in V St. to Stockton Blvd., by constructing

vit. sewer pipe with 6in. vit. wye branches and manholes.
Albert Givan, city engineer.

MARICOPA, Kern Co., Cal.—Federal Construction Co., Call Bldg., San Francisco, awarded contract by city trustees at $115,800 for paving California, Main, Center, Kern, Hazeltine, Klipstein and Poso Sts.

LOS ANGELES, Cal.—A technical error in proceedings will necessitate the readvertisement of the Fifth St., San Pedro, improvement.

SANTA MONICA, Cal.—M. B. Rapp, 1411 3rd St., Santa Monica, and Pacific Finance Bldg., Los Angeles, owner, will call for bids within few days on street work in a tract which he is subdividing and putting on the market. The property comprise s nine blocks bounded by Montana and Carlyle Aves., and 14th and 17th Sts. The streets to be improved are 15th and 16th St., bet. Montana and Carlyle Aves., and Alta and Marguerita Sts. bet. 14th and 17th. Work will involve grading, surfacing with rock and oil, walks, curbs, gas, water, light and sewers. Wilkie Woodard, Santa Monica, engineer, is preparing plans and specifications.

SAN DIEGO, Cal.—Until 10 a.m., May 15, bids will be received by city clerk for excavating ditch of minimum width of 24 inches for water main to be located in La Jolla Blvd., Turquoise and Cass St., San Diego. F. A. Rhodes, city engineer.

BERKELEY, Alameda Co., Cal.—City Council, E. M. Hann, Clerk declares intention to construct 6-in. vitrified sewer in Hearst avenue, from manhole 61 ft. west of Sacramento street to a point 300 feet west, 1 brick manhole and lamphole. Improvement Act 1911. Protests May 23.
Intention declared to construct reinforced concrete wall in Euclid avenue, between Cedar and point 326 feet north and west 6 feet of roadway be raised by additional course of oil macadam 4-in. thick. Improvement Act 1911. Protests May 23. C. L. Huggins, City Engineer.

SAN DIEGO, Cal.—Until 11 A. M., May 29, bids will be received by the Supervisors to pave new grade over Poway, to connect with paving put in last summer from San Diego to Camp Kearney. Pavement will be 5.92 miles, 18 ft wide. 1:2:4 concrete, 8-in. thick at edges and 5-in. thick in center. This is a cash job and payments will be made on monthly estimates. Geo. Butler, County Surveyor.

CALIFORNIA.—Following bids received May 8 by State Highway Commission to surface with asphalt concrete 8.9 miles of highway in Solano County bet. Fairfield and Vacaville:

California Constr. Co., S. F.	$47,570
J. A. Costello Jr. S. F.	60,970
United Constr., Vallejo	64,320
C. H. and A. W. Gorrell	68,340
Federal Constr. Co., S. F.	69,546
A. Teichert & Son Sacramento	69,680
McGillivray Constr. Co., Sacto	72,360
A. G. Raisch, S. F.	73,566

Engineer's estimate, $67,000.

SANTA ROSA, Sonoma Co., Cal.—Until May 24, bids will be received by W. W. Felt Jr., city clerk, to construct Valley Forge-Freestone Road, 4 miles oil macadam pavement. Involves 10,800 cu. yds. unclassified excavation; 1600 cu. yds. crushed rock base course; 68 lin. ft. 12in., 72 lin. ft. 15-in., and 48 lin. ft. 24-in. corrugated or concrete culvert; 1330 cu. yds. rock surfacing; 32,200 cu. yds. asphalt surfacing; 50 cu. yds. concrete for head wall and culverts. Est. cost, $23,400. R. Press, county surveyor.

SAN FRANCISCO.—The Supervisors in compiling the 1922-23 budget propose to provide funds to construct Marina Boulevard and the completion of the Ocean Beach Esplanade. The latter will cost $200,000.

SANTA ANA, Cal.—Until 11 a.m., May 23, bids will be received by County Supervisors for paving 1¾ miles on Huntington Beach Road with 4-in. concrete approximaately 19,800 sq. yds. J. L. FcBride, county road commissioner.

PHOENIX, Ariz.—Until 2 p.m., May 20, bids will be received by Thomas Maddock, State Engineer, Phoenix, for improving 5-in. of State highway bet. west city limits of Tombstone, approximately 50,800 sq. yds. of asphalt concrete surface, 2-in. thick. Plans and specifications from State Engineer, Phoenix, upon payment of $5. Certified check 5%.

SACRAMENTO, Cal.—City Council, H. G. Denton, Clerk, declares intention to improve streets as follows:
Res. of Int. 1635—Folsom Boulevard, from pt. 102-ft. east of 47th street, to 53rd street, construction concrete curbs and gutters; c. i. gutter drains with manholes; reconstruction manholes; 6-in. vit. sewers; grading and paving with 5½-in. asphaltic concrete
Res. of Int. 1636 - 9th avenue, from sewer in place in Franklin Boulevard, to 33rd street, construction concrete curbs and gutters; c. i. gutter drains with 6-in. vit. sewer connections; 10-in. vit. sewers; reconst. manhole; grading and paving with 5½-in. asphalt concrete.
Res. of Int. 1637 27th St., bet. Y and Urban Court, constructing concrete curbs and gutters; 1-in. water main connections; grading and paving with 5½-in. asphalt concrete.
Res. of Int. 1638 Stockton Blvd., bet. 31st St. and S. P. right-of-way, concrete curbs and gutters; C. I. gutter drains with 6-in. vit. sewer connections; concrete manholes; vit. pipe sewers; concrete sidewalks. All under Improvement Act 1911. Albert Givan, city engineer.

WASHINGTON, D. C.—Among improvements authorized by U. S. Army is listed the project of grading the jointly army and navy flying field at Luke Field, Hawaii. Further information regarding the work may be had from the Constructing Quartermaster at Luke Field.

FAIRFIELD, Solano Co., Cal.—County Surveyor F. A. Steiger is preparing a report on the proposed sewer district for Vallejo Heights.

WOODLAND, Yolo Co., Cal.—City Engineer Asa Proctor completes specifications to improve Walnut street, bet Elliott and Main streets and between Cross and Oak; Oak Ave. bet Walnut and Elm street and bet. College and Fourth streets.

GUSTINE, Merced Co., Cal.—Warren Constr. Co., Rialto Bldg., San Francisco, at approximately $35,500 submits only bid to the Trustees to improve portions of 1st, 6th and 4th Aves., et al. Bid taken under advisement until May 18.

SANTA CRUZ, Santa Cruz Co., Cal.—Supervisors petitioned to complete Highland way road from terminal at head of Soquel creek to county road adjoining the Meyer place at Wright's and from that point to connect with the paved Glenwood highway at Woodwardia. Lloyd Bowman, County Surveyor.

CALIFORNIA—Until June 5, 2 P. M., bids will be received by State Highway Commission to pave with cement concrete 5.8 miles of highway in Orange County between Irvine anw Tustin. Austin B. Fletcher, State Highway Engineer. **See call for bids under official proposal section in this issue.**

FAIRFIELD, Solano Co., Cal.—County Surveyor F. A Steiger is preparing a report for the Supervisors on the proposed road district improvement in Hurst Sub-division in Vallejo township.

OAKLAND, Cal.—City Council, Eugene K. Sturgis, Clerk, declares intention to improve Harrison street, bet. Second and Seventh Sts., by construction of 21-in. vitrified pipe sewer; 30-in. concrete sewer; reconstruction manholes and constructing brick manholes and catchbasins; vitrified pipe conduits, etc. Improvement Act 1911. Protests May 25. W. W. Harmon, City Engineer.

MARTINEZ, Contra Costa Co., Cal.—Supervisors contemplates constructing road to the summit of Mt. Diablo from Danville. R. R. Arnold, County Surveyor.

SAN DIEGO, Cal.—Until 11 a. m., May 29, bids will be received by supervisors for 8500 cu. yards crushed rock f. o. b. cars at crusher plant. Cert. check 5%. J. B. McLees, county clerk.

CARSON CITY, Nevada.—Until May 24, 2 p.m., bids will be received by Department of Highways, Geo. W. Borden, State Highway Engineer, for furnishing 39,000 tons of crushed rock f.o.b. cars at sidings on Western Pacific Railroad bet. Reno and Purdy. **See call for bids under official proposal section in this issue.**

UKIAH, Mendocino Co., Cal.—T. Ellison & Son, Mendocino city, at $3591 awarded contract by Supervisors to construct Willits South Side Road, involving 525 cu. yds. excavation; 4418 cu. yds. borrow; 96 lin. ft. 12-in., 40 lin. ft. 30-lin. and 56 lin. ft. 36-in. corrugated iron pipe culvert; 11.85 cu. yds. concrete in headwalls and 2410.66 ft. B. M. lumber in wood culverts. County will furnish corrugated iron pipe culverts and lumber. Other bidders: Conners and Hansen, Willits, $1943; Rocca and Caletti, Willits, $5770; W. R. Hildrith and V. C. McClure, $5726, Baechtel and Prichard, Willits, $5424. E. H. Smith, county surveyor.

SANTA ROSA, Sonoma Co., Cal—Time set to open bids to construct Valley Ford-Freestone unit of county highway system (previously reported) has been extended by Supervisors May 24 to May 29. R. Press Smith, county surveyor.

CORONADO, Cal.—Petition presented to Council and proceedings instituted for paving alley in Blk. 38, bet. C and Orange and Ninth and Tenth Sts.

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy completes specifications to improve Kirkwood St. bet. Newhall and Phelps: est. cost, $13,130, involving 88 lin. ft. granite curb; 1288 lin. ft. concrete curb; 1108 sq. ft. artificial stone sidewalks; reset 2 and construct three new br. catch basins; construct 105 lin. ft. 10-in. pipe culvert and 39,048 sq. ft. asphalt concrete pavement.
Specifications completed to improve Great Highway bet. Cabrillo and Fulton Sts. Est. cost, $14,000. Involving 34,955 sq. ft. asphalt concrete pavement consisting 6-in. concrete base with 1½-in. asphalt concrete surface; 524 lin. ft. concrete gutter; 464 lin. ft. roadway coping; 460 lin. ft. 10-in. vit. pipe sewer; 4 br. catch basins; 69 lin. ft. 2x8-in. r.w. headers and 3 sidewalk entrances.

SANTA ROSA, Sonoma Co., Cal.—Until June 15 bids will be received by Supervisors to construct Santa Rosa-Guerneville road, oil macadam, involving 3000 cu. yds. excavation; 2650 cu. yds. crushed rock; 31,786 sq. yds. asphalt surfacing; placing 200 lin. ft. 12 and 15-in. pipe. Est. cost, $14,500.
Separate bids, same date, to improve Sebastopol-Freestone road. Sec. B, grading and paving with gravel or crushed rock surface, 2.29 miles, involving 5800 cu. yds. excavation; 1780 sq. yds. gravel or rock surface; 12, 15, 18 and 24-in. pipe. Est. cost, $9841.

LOMPOC, Cal.—City Engineer L. W. Moore has completed plans and specifications for paving Ocean Ave. bet. F and J Sts. City Council will take action.

BAKERSFIELD, Kern Co., Cal.—Until May 22, 8 p.m., bids will be received by V. Van Riper, city clerk, to improve Sumner St. (Street District No. 79), involving 118,918.8 sq. ft. grading; 82,328 sq. ft. 3½-in. asphalt concrete base with 1½-in. Warrenite top pavement; 140 lin. ft. corrugated culverts. City will pay $15,000. Total cost, $30,000. W. D. Clarke, city engineer.

BAKERSFIELD, Kern Co., Cal.—Federal Contsruction Co., Call Bldg., San Francisco, at $9655 awarded contract by Council to improve Jackson St. bet. Baker and King, and alley in Block 72, involving 29,658 sq. ft. 3½-in. asphalt concrete base with 1½-in. Warrenite surface pavement, 25.9c sq. ft.; 1741.6 sq. ft. concrete gutter, 30c sq. ft.; 800 lin. ft. concrete curb, 60c lin. ft.; 108 lin. ft. corrugated culverts, $9 lin. ft. W. D. Clarke, city engineer.

MAYFIELD, Santa Clara Co., Cal—Town Trustees plan paving of all unimproved streets.
Eng. 21

SAN DIEGO, Cal.—Until 11 a.m., May 29, bids will be received by Supervisors for grading and paving with concrete a portion of Mission Road No. 1-A, bet. station 0+00 and station 313+90. Plans and specifications from clerk of board, upon deposit of $5.

LOS ANGELES, Cal.—C. W. Shafer submitted low bid to Board of Public Works at $13,948 to pave Lowell Ave. bet. Huntington Drive south to terminus of Lowell Ave. south of Keates St. and in portions of other streets, involving 583 sq. ft. of asphalt paving; 31,169 sq. ft. rough grading; 31,169 sq. ft. oiling and rolling; 2581 ft. curb; 5184 sq. ft. concrete gutter; 12,821 sq. ft. walk; catch basins, iron pipe culvert.

Chas. T. Salata, 450 S. Ditman St., submitted low bid to grade and oil Dobinson St. bet. Evergreen Ave. and Lara St., involving 15,411 sq. ft rough grading; 15,411 sq. ft. finishing grade; oiling and rolling; 1145 cement curb; 5820 sq. ft. walk; 454 ft. concrete gutter, 325 ft. house sewers.

Fairchild, Gilmore & Wilton Co., L. A. Ry. Bldg., submitted low bid to pave Harvard Blvd. bet. Lemon Grove and Melrose Aves., involving 36,610 sq. ft. of grading; 36,610 sq. ft. asphalt paving, 9948 sq. ft. concrete gutter.

FLAGSTAFF, Ariz.—Council declares intention to improve portions of Beaver, Agassiz, Verde and other streets and avenues by grading, paving with bitulithic surface on bituminous concrete base, and constructing concrete gutters, curbs, corrugated iron culverts. C. T. Pulliam, clerk.

LOS ANGELES, Cal.—C. R. Butterfield, 212 6th St., San Pedro, awarded contract by Board of Public Works at $11,933.91 for grading and oiling 22d St. bet. Leland St. and Patton Ave., involving 34,092 sq. ft. rough grading, 34,092 finished grade, oiling and rolling, 2593 ft. cement curb, 12,805 sq. ft. cement walk, 5246 sq. ft. concrete gutter.

SANTA BARBARA, Cal.—A. L. Pendola awarded contract at $4862.62 to pave Fig Ave. bet. Haley and Costa Sts. 26c sq. ft., 1½-in. asphalt concrete wearing surface on 5-in. cement concrete base, $2.10 ft. 6-ft. combined concrete and gutter, 75c ft. curb, 26c sq. ft. cement gutter, and $20 per lateral side connecting sewers.

MODESTO, Stanislaus Co., Cal.—Frederickson and Shannon, Cory Bldg., Fresno, at $30,916 awarded contract by Supervisors to construct 2 miles (concrete) Dry Creek road extending from Modesto city limits.

BAKERSFIELD, Kern Co., Cal.—Currie and Dulgar, Kern County Land Building, only bidder, at $1,241 awarded contract by supervisors to erect water tank, pipe system, motor, etc., at Courthouse. Chas. H. Biggar, First National Bank Building, Bakersfield, architect.

SAN DIEGO, Cal.—Until 11 a. m., May 29, bids will be received by supervisors for 14,000 bbls. cement, f. o. b. cars at mills. Cert. check 5%.

VENTURA, Cal.—Until 10:30 a. m., May 23, bids will be received by county supervisors for pumping plant, reservoir and distributing system at town of Moorpark, Ventura County. Materials and work required are: 1 Pomona pump and motor; 1 pump house; 550 ft. 6-in. riveted steel pipe; 3700 ft. 5-in. 1800 ft. 4-in., 5050 ft. 3-in., 3410 ft. 2-in., 1110 ft. 1½-in. and 4000 ft. ¾-in. screw pipe; 1 reinforced concrete reservoir; 150 services; 150 meters 12 fire hydrants; four 5-in., one 4-in., seven 3-in., five 2-in. and one 1½-in. gate valves. Cert. check or bond, 2%. L. E. Hallowell, clerk. F. G. Dessery and E. R. Bowen, Central Building, Los Angeles, engineers.

SAN DIEGO, Cal.—Property owners propose a bond issue to pave Imperial Ave. bet. 32nd and 40th St., and through Encanto to the Lemon Grove Road.

LOS ANGELES, Cal.—Fairchild-Gilmore-Wilton Co., L. A. Ry. Bldg., submitted lowest bid to Supervisors at $19,755.63 for paving Manchester Ave. bet. Vermont and Western, involving 3755 cu. yds. excavation, 12,219 sq. yds. shaping roadbed; 7711 sq. yds. 6-in. concrete paving; culverts, etc. County furnishes cement. Bids referred to county road commissioner.

SALINAS, Monterey Co., Cal.—W. A. Dontanville, Gilroy, submits only bid to council to improve:

Harvest St., bet. South Main and California, grading, 3c; concrete curbs 62c; 4-in. concrete pavement, 18½c. Total, $17,386.41.

San Luis St., bet. Main and Front Sts., grading, 3c; curbs, 62c; 5-in. concrete pavement, 21½c. Total, $15,186.11.

Winham St., bet. South Main and California, grading, 3c; curbs, 62c; 4-in. concrete pavement, 18½c. Total, $14,502.39.

Bids taken under advisement until May 15. Donald Davies, city engineer

CARSON CITY, Nev.—Until May 31, bids will be received by State Highway Commission, Geo. W. Borden, state highway engineer, to construct three projects: (1) grading, culverts and gravel surfacing in Elko County bet. Elko and Hallock; (2) grading, culverts and gravel surfacing in White Pine County, bet. Illipah and Robinson's Summit; (3) grading, culverts and gravel surfacing in White Pine County bet. Pancake Summit and Illipah. **See call for bids under official Proposal section in this issue.**

REDWOOD CITY, San Mateo Co., Cal.—W. J. Tobin, 527 Santa Rey Ave., Oakland, at $14,439 awarded contract by Council to construct sewers in Redwood Ave., Abner St., Grant Ave., etc. C. L. Dimmitt, city engineer.

SAN BERNARDINO, Cal.—City Engineer C. E. Johnson has recommended that additional outfall sewer facilities be provided following a break in the Arrowhead Ave. pipe. Plans are in preparation for a deep sewer system in the business district

NAPA, Napa Co., Cal.—Geo. L. Lisher, Napa, at $1621 awarded contract by Supervisors to construct cement retaining walls along proposed Brown's Valley Highway. Other bids: Ray Errington, $1706.40; Simon Lenz & Son, $1747.55; Bordwell & Zimmerman, $2486.72; Frank Gaggero, $2216.70.

NAPA, Napa Co., Cal.—Geo. L. Lisher, Napa, at $218 awarded contract by Supervisors to construct concrete returns near Napa State Hospital. R. L. Errington bid $231.

Simon Lenz & Son, St. Helena, at $679 awarded contract to construct concrete returns bet. Napa and Yountville. Other bids: R. L. Errington, $750; Geo. L. Lisher, $720; Harry Thorsen, $869.

MARYSVILLE, Yuba Co., Cal.—Bids for paving in District 11, under street improvement program, rejected by City Council and new bids will be asked. Wm. Meek, city engineer.

VENICE, Cal.—City engineer has been authorized by city trustees to make contract with engineering firm to repair Venice sewer at South Beach.

SAN DIEGO, Cal.—Untill 11 a.m. May 29, bids will be received by County Supervisors for grading and paving with concrete a portion of Mission Road No. 1-A, bet. sta. 0+00 and sta. 313+90. Plans and specifications from clerk of board, upon deposit of $5. Work involves 5.92 miles concrete paving, 18 ft. wide, 1:2:4 concrete 8-in. thick at edges and 5-in. at center.

SAN BERNARDINO, Cal.—M. D. Clark, division engineer of Santa Fe Ry., has notified City Engineer C. E. Johnson that the railway is ready to do its share in paving I St. with 5-in. concrete. Cost est. $27,000, of which the railway will pay half.

SAN FRANCISCO.—Until May 17, 3 p.m., bids will be received by Board of Public Works to improve Great Highway bet. Cabrillo and Fulton Sts. est. cost $14,000, involving 34,955 sq. ft. asphalt concrete pavement consisting of 6-in. concrete base with 1½-in. asphalt concrete surface; 524 lin. ft. concrete gutter; 464 lin. ft. roadway coping; 460 lin. ft. vit. pipe sewer; 4 br. catch basins; 69 lin. ft. 2x8-in. r.w. headers; 3 sidewalk entrances.

PRESCOTT, Ariz.—County Highway Commission has instructed secretary to advertise for bids on three county highway projects, viz: Lynx Creek to Prescott, Jerome Hill road over water tank to town and surfacing on road from Humboldt to Lynx Creek.

WOODLAND, Yolo Co., Cal.—A. Teichert & Son, Ochsner Bldg., Sacramento, at $3560 a mole submits only bid to Supervisors to construct macadam road from south end of concrete road in Reclamation District No. 900, through Districts Nos. 765 and 999, to Headquarters in 999, approximately 11 miles.

Teichert & Son only bidders at $3040 a mile, to construct macadam road from Mound Bridge at Knights Landing, through District No. 787 to Eldorado road. Bids taken under advisement. Asa G. Proctor, county surveyor.

LOS ANGELES, Cal.—County Supervisors have appropriated $30,000 for improving the Redondo-Wilmington Road.

GLENDALE, Cal.—Peter L. Ferry, 614 E. Acacia, Glendale, awarded contract by city council at $3500 to resurface 75,992.36 sq. ft. on Chestnut Ave., including 60 ft. 6- in. and 2134 ft. 4-in. C. I. pipe.

VENICE, Cal.—Stutzer and Fredericks awarded contract by city trustees to grade and pave San Juan Ct. bet. Electric and Sixth Aves. 20c sq. ft. paving, including grading, and 10c lin. ft. 2x4 redwood headers.

Sander Pearson, 3847 S. Broadway, Los Angeles, awarded contract to pave Third Ave. bet. Sunset and Rose Aves. 24.9c sq. ft. concrete paving, including grading; 20.5c sq. ft. walk, 65c ft. curb, 12.8c sq. ft. oiled macadam paving, including grading.

WOODLAND, Yolo Co., Cal.—County Surveyor Asa G. Proctor instructed to proceed by day labor with construction of road from Reisbeck bridge to Napa County line in District 2.

WOODLAND, Yolo Co., Cal.—Until May 29, 10 a.m., bids will be received by Supervisors for three road projects: Prefix 6, Section B, being 2263 ft. in the town of Broderick connecting the State Highway with the Southern Pacifisc bridge.

Prefix 8, Section A, being the extension of Main St. for one mile east.

Prefix 6, Section C, being 21,890 ft. along the Sacramento River from the Sacramento By-pass bridge, running west. Asa G. Proctor, county surveyor.

REDWOOD CITY, San Mateo Co., Cal.—Until June 5, 8 p.m., bids will be ceived by W. A. Price, city lerk, to construct 4-in. and 6-in. vit. tile pipe sewers in portions of Sequoia Ave. Improvement Act 1911. C. L. Dimmitt, city engineer.

STOCKTON, San Joaquin Co., Cal.—A. L. Chambers and George Degolyer have been awarded a contract by A. L. Banks, City Clerk, to construct lateral sewers with wyes, with and without automatic flushers in portions of North Center, Arcade and Geary streets. Imp. Act 1911. W. B. Hogan, City Engineer. Contract price. $5995.19. Four-inch pipe, 73c; 6-in. pipe, 89c; manholes, $85; flusher manholes, $125.

LOS ANGELES, Cal.—Board of Public Works has instructed city engineer to prepare revised plans and specifications for proposed Arroyo de la Sacatela storm sewer system. As soon as possible, new proceedings for this work will be started. The work is estimated cost, $1,000,000. Former estimates were $2,500,000.

FRESNO, Fresno Co., Cal.—Until 2 p.m., June 5, new bids will be received by Supervisors for paving 5 miles of county highway with asphalt concrete 16 ft. wide, 5-in. thick, on Shaw Ave., 12 miles NE of Fresno, involving 6820 cu. yds. earthwork unclassified, 41.08 cu. yds. concrete culvert, 421,185 sq. ft. 3½-in. asphalt concrete base, 421,403 sq. ft. 1½-in. wearing surface. Bids are being taken on both Warrenite and Type A surface. Bids were previously received May 5, Thompson Bros. being lowbidder, but owing to error in proceedings readvertisement was necessary. Certified check for 10%. Plans and specifications may be obtained from County Surveyor Chris' P. Jensen, 306 Cory Bldg., Fresno. Work will be done under bond issue of 1919.

NAPA, Napa Co., Cal—Council declares intention to improve Pine St., bet. Jefferson and Walnut Sts., involving 65,672 sq. ft asphalt macadam pavement; 842 cu. yds. excavation; 282 cu. yds. burrow; 2412 lin. ft. curbs; 2 catch basins; 3 manholes. H. A. Harrold, city engineer.

NAPA, Napa Co., Cal.—Frank G. Noyes Co., Napa, at $3.28 bbl. delivered St. Helena and $3.13 delivered Napa, awarded contract to furnish county with 1000 bbls. cement. Similar bids were submitted by Napa Lumber Co., and Pacific Portland Cement Co.

STOCKTON, San Joaquin Co., Cal.—Stockton Golf and Country Club, Geo. W. Leistner, president, plans improvement to golf course totaling $52,000. Of the total amount to be expended, $48,000 is on hand.

MODESTO, Stanislaus Co., Cal.—Standard Paving Co., 9th and N Sts., awarded contract by Council to improve H St. bet. 15th and H Sts.: 43,537 sq. ft. grading, 5c; 43,041 sq. ft. 2½-in. asphalt concrete base with 1½-in. Warrenite surface, 17c; 495 sq. ft. gutters, 20c; 324 lin. ft. concrete curbs, 70c; 825 lin. ft. headers, 10c.

Standard Paving Co. awarded contract to improve Maybell Ave., involving 19,585.1 sq. ft. grading, 8c; 17,790.6 sq. ft. 2½-in. asphalt concrete base with 1½-in. Warenite-bit. surface, 17c; 1191.6 lin. ft. curb, 70c; 1,794.5 sq. ft. gutter, 10c; 100 lin. ft. headers, 10c; manholes, $55; sewer pipe, $55; inlets, $25. Geo. Freitas, city engineer.

BERKELEY, Alameda Co., Cal.—City Engineer C. L. Huggins completing specifications to improve Telegraph Ave. by sewering and paving. Cost will exceed $60,000.

FRESNO, Fresno Co., Cal.—City Engineer Wm. Stranahan completes specifications to improve Carmen Ave. bet. Lucerne Lane and Wishon Ave., involving 39,200 sq. ft. 5-in. cement concrete pavement; 519 ft. curb; 2570 sq. ft. walks; 95 ft. concrete culverts; 2 manholes.

CALIFORNIA.—Following are approximate quantities of materials for projects for which State Highway Commission will open bids May 22:

Alameda County: Bet. east boundary and Greenville, 10 miles to be paved with cement concrete shoulders and asphalt concrete surface, involving 7310 cu. yds. Class A cement conc. (shoulders and repairs to old base); 975 cu. yds. removal of broken concrete in existing base; 14,220 tons asphalt conc. surface.

Kern County: Bet. Junction Pumping Station and Hart, 17.2 miles to be paved with bituminized macadam, involving 40,000 cu. yds. excavation without classification; 65,400 tons broken stone (bituminized macadam); 970 tons asphalt Grade E spread (bituminized macadam); 50 cu. yds. Class A cement concr. (culverts and monuments); 1230 lin. ft. 12-in., 338 lin. ft. 18-in. and 60 lin. ft. 24-in. corrugated metal pipe; 78 monuments.

Tulare County: Bet. Three Rivers and Sequoia National Park, 5.8 miles to be graded, involving 113,000 cu. yds. excavation without classification; 285 cu. yds. Class A Portland cement concr. (culverts and monuments; 332 cu. yds. dry rubble (retaining walls); 606 lin. ft. 12-in., 1292 lin. ft. 18-in., 294 lin. ft. 24-in., 45 lin. ft. 30-in. and 32 lin. ft. 36-in. corrugated metal pipe; 1.7 mile moving and resetting property fences; 860 lin. ft. guard rail; 180 monuments.

FRESNO, Fresno Co., Cal.—California Road and Street Improvement Co., Bank of Italy Bldg., Fresno, at $40,122 awarded contract by council to improve Lane St. bet. Olive and Florodora, involving 54,657 sq. ft. grading; 49,836 sq. ft. 3½-in. asphaltic base with 1½-in. Warrenite top pavement; 4629 sq. ft. gutter; 2493 lin. ft. curb; 11,732 sq. ft. walks; 106 lin. ft. 12-in. corrugated culvert; 2 manholes.

Federal Construction Co., Call Bldg., San Francisco and Griffith-McKenzie Bldg., Fresno, at $19,685 awarded contract to improve Alta Ave. bet. Hazelwood and Fourth St., involving 68,199 sq. ft. grading; 63,881 sq. ft. 2½-in. black base with 1½-in. top pavement; 4164 sq. ft. gutter; 630 ft. curb; 3741 sq. ft. walks; 337 ft. 12-in. culvert and 6 manholes.

Thompson Bros., 1514 H St., Fresno, at $689 awarded contract to construct 740 lin. ft. 6-in. sewer and 1 manhole in Blks. 8 and 24, Hazelwood.

SAN FRANCISCO.—City Engineer M. M. O'Shaugnessy completes specifications to improve Taraval St. bet. 37th and 48th Aves.. Est. cost $72,000; involving 6228 lin. ft. concrete curb; 655 lin. ft. 8-in. sewer pipe; 315 lin. ft. 12-in. sewer pipe; 18 8-in. and 9 12-in. wye branches; 2 brick manholes; 35 brick catch basins; 1225 lin. ft. 10-in. pipe culvert; 6604 sq. ft. art. stone walks; 180,930 sq. ft. asphalt concrete pavement.

Specifications completed to improve Buchanan St. bet. Herman and Duboce Aves. Est. cost, $34,200; involving 22,091 cu. yds. cut; 623 lin. ft. concrete curb; 370 lin. ft. 8-in. sewer pipe; 24 wye branches; 2 brick manholes; 4364 sq. ft. vert. fiber brick pavement and 7715 sq. ft. asphalt concrete pavement.

Specifications completed to construct 620 lin. ft. 8-in. pipe sewer, 44 wye branches and 2 brick manholes in 46th Ave., bet. Kirkham and Lawton. Est. cost, $1900.

WOODLAND, Yolo Co., Cal. — City Trustees, J. H. Laugenour, clerk, declare intention to improve Oak Ave. bet. College and 4th; Oak Ave. bet. Elm and Walnut, and Walnut bet. Oak and Cross; Walnut bet. Main and Elliott, by grading, paving with 3-in. asphalt concrete base with 2-in. asphalt concrete surface. Improvement Bond Act 1915. Protests June 5. Asa G. Proctor, city engineer.

SAN JOSE, Santa Clara Co., Cal.—A. J. Raisch awarded contract by council to improve Vine St. bet. San Carlos and Balbach; grading and 3-in. asphalt concrete base, 24c sq. ft.; curb, 70c lin. ft.; gutter, 24c sq. ft.; brick catch basins, $75 each; 8-in. vit. pipe drains, $1.25 lin. ft.

WATTS, Cal.—Adam Dalmatin, 841 W. 67th St., Los Angeles, submitted low bid to city trustees at $475,000 for constructing city sewer system, involving 64,746 ft. 6-in., 41,186 ft. 8-in., 17,926 ft. 10-in., 19,996 ft. 12-in., 5533 ft. 15-in., 2552 ft. 18-in., 5660 ft. 20-in., 4422 ft. 24-in. cement pipe, 369 manholes; 55 flush tanks, and 6-in. wyes for each lot. Other bids were: Geo. R. Daley, San Diego, $490,000; Leo Miletich, Los Angeles, $505,000; Fred Hoffman, Long Beach, $545,000; Heuser-Packard Co., Salt Lake City, 666,600; Phillips & Brkich submitted irregular bid at $467,785. Edw. M. Lynch, consulting engineer. David Elcote, superintendent of streets.

FILLMORE, Cal.—Napier & Simpson, San Fernando, submitted low bid to city trustees, May 9, for paving Santa Clara St., involving about 11,000 sq. ft. 5-in. concrete pavement, his unit bid being 5c sq. ft. grading, 25c sq. ft. paving and 65c ft. curb. Sam Hunter bid: 7c grading, 24c paving, 65c curbs.

Napier & Simpson also submitted low bid to pave Blaine St., involving about 200,000 sq. ft. 5-in. concrete pavement. The bid was 2c sq. ft. grading, 21c sq. ft. paving, 55c curb and 18c sq. ft. walk. Other bids were: Sam Hunter: 5c grading, 22c paving, 65c curb, 15c walk. David Jones: 5c grading, 31c paving, 70c curb, 20c walk.

STATE WATER COMMISSION

California applications for permits to appropriate water filed with the State Department of Public Works, Division of Water Rights, 910 Eighth St., Sacramento, during the month of April, 1922, follow:

Application No. 2816 (Fresno County) San Joaquin Light and Power Corporation, Fresno, Cal., 175 cu. ft. per second from San Joaquin River in Fresno County, for power purposes. Total amount of power to be developed, 6960 t.h.p. Diversion works: Tunnels and penstocks 3.2 miles long, and concrete single arch dam 100'x430' x90', with radial gates.

App. No. 2817 (Riverside County). Lake Hemet Water Company, Hemet, Cal., 76 cu. ft. per second direct diversion and 11,000 acre feet per annum for storage, to be collected between October 15 and June 15 or each season, from Strawberry Creek, Riverside County, tributary of San Jacinto River, for power purposes. Total amount of power to be developed, 5225 t.h.p. Main canal and pipe line to be one mile long.

App. No. 2820 (Nevada County). Roy H. Elliott, 1213 Hobart Bldg., San Francisco, Cal., 125 cu. ft. per second from Jordan Creek, Nevada

County, tributary of South Fork of Yuba River, for mining purposes. Diversion works: Canal about 10 miles long, and concrete dam 10'x100'x20'. Est. cost, $50,000.

App. No. 2821 (Amador and Calaveras Counties). James P. Sweeney, Nevada Bank Bldg., San Francisco, Cal., 500 cu. ft. per second direct diversion from March 1 to August 30 of each season, and 400,000 acre ft. per annum for storage, to be collected between December 31 and July 31 of each season, from Mokelumne River in Amador and Calaveras Counties, tributary of San Joaquin River, for agricultural purposes on 200,000 acres. Diversion works: Canal 40 miles long and concrete dam 20'x300'x200'. Est. cost, $5,000,000.

App. No. 2822 (Amador and Calaveras Counties). James P. Sweeney, Nevada Bank Bldg., San Francisco, Cal., 500 cu. ft. per second direct diversion between March 1 and July 31 of each season, and 400,000 acre ft. per annum for storage, to be collected between December 31 and July 31 of each season, from Mokelumne River, in Amador and Calaveras Counties, tributary of San Joaquin River, for power purposes. Total amount of power to be developed, 35,000 t.h.p. Diversion works: Pipe line about 1 mile long, and concrete dam 400'x800'x200', with spillway around dam. Est. cost, $5,000,000.

App. No. 2823 (Sierra Connty). A. E. Flanagan, La Porte, Plumas County, Cal., 11 cu. ft. per second from Nigger Ravine, Sierra County, tributary of East Branch of Slate Creek, for mining purposes. Diversion works: Main ditch 2 miles long and timber crib dam 1'x25'x20'.

App. No. 2824 (Sutter County). R. L. Morehead, Sutter, Sutter County, Cal., 9.08 cu. ft. per second, to be diverted between May 1 and October 31 of each season from Sutter By-pass in Sutter County, tributary of the Sacramento River, for agricultural purposes on 727 acres.

App. No. 2825 (Butte and Yuba Counties) Oroville-Wyandotte Irrigation District, Oroville, Cal., 50 cu. ft. per second direct diversion between April 1 and November 1 of each season, and 25,000 acre feet per annum for storage, to be collected between October 1 and July 1 of each season, from South Honcut Creek in Butte and Yuba Counties, tributary of Feather River, for agricultural purposes.

App. No. 2827 (Contra Costa County) Mt. Diablo Country Club, c/o J. T. Whittlesey, Claus Spreckels Bldg., San Francisco, Cal., 120 acre ft. per annum for storage, to be collected between October 1 and May 1 of each season, from Green Valley Creek, Contra Costa County, tributary of San Ramon Creek, for agricultural purposes on about 100 acres. Diversion works: Condult 1200' long and concrete and timber dam 12'x24'. Est. cost, $16,000.

App. No. 2828 (Butte County). H. H. Bar, Quincy, Cal., 90,000 acre feet per annum from Clover Creek, Plumas County, tributary of Feather River, for irigation of 30,000 acres. Diversion works: Canal 17 miles long and lumber and concrete dam 10'x300'x300' with wasteway over dam. Est. cost of works, $300,000.

App. No. 2829 (Plumas County). H. H. Bar, Quincy, Cal., 25 cu. ft. per second from Last Chance Creek, and 50 cu. ft. per second from Clover Creek, Plumas County, tributary of Feather River, also 30,000 acre feet per annum for storage, to be collected between November 1 and April 1 of each season, for power purposes. Total amount of power to be developed, 18,750 t.h.p. Diversion works: Ditch 5 miles long for Clover Creek, and 1¼ miles long for Last Chance Creek, and concrete dam 10'x50'x25'. Est. cost of works, $750,000.

App. No. 2831 (Los Angeles County). G. P. McCorkle and J. S. Pearson, First National Bank Bldg., Cucamonga, Cal., 12,000 acre feet per annum for storage to be collected between November 1 and June 30 of each season, from Big Rock Creek in Los Angeles County, for agricultural purposes on 30,000 acres. Diversion dam to be 200'x400'x150', constructed of concrete with wasteway through gates in dam.

App. No. 2832 (Los Angeles County). G. P. McCorkle and J. S. Pearson, First National Bank Bldg., Cucamonga, Cal., 48,000 acre feet per annum for storage, to be collected between November 1 and June 30 of each season, for power purposes. Total amount of power to be developed, 2500 t.h.p. Diversion dam 200'x400'x150', constructed of reinforced concrete.

PERMITS ISSUED

Permit No. 1000. Orel B. French, Hyampon, **Trinity County**, Cal., 0.25 cubic foot per second from about April 1 to about September 30 of each season from Sulphur Glade Creek, Trinity County, tributary of South Fork of Trinity River, for agricultural purposes on 20 acres. Diversion works: Main ditch 3640 feet long and dam of logs, rick and dirt.

Permit No. 1001. Jacob Siemens, Llano, **Los Angeles County**, Cal., 1.84 cu. ft. per second from about April 1 to about October 31 of each season from a spring in Los Angeles County, in NW¼ of NE¼ of Section 26, T. 4N, R. 8W, S.B.M., for agricultural purposes on 174 acres. Diversion to be by means of a pipe line about 4½ miles long.

Permit No. 1003. C. E. Holtz, Auburn, Cal., 0.15 cubic foot per second from Capp's Ravine, in **Placer County**, to be diverted from about May 1 to November 1 of each season, and throughout the remainder of the year as required for domestic purposes, for agricultural and domestic purposes, water to be used on 30 acres. Diversion works: Pipe line about ¼ mile long, and dam 2'x10'x7', constructed of loose rock and concrete.

Permit No. 1004. H. J. Barton, Yreka, Cal., 0.75 cubic foot per second from about April 1 to about October 1 of each season, from Beaver Creek in **Siskiyou County**, tributary of Klamath River, for agricultural purposes on 60 acres. Diversion works: Ditches about 1 mile long, and loose rock, timber, brush and gravel dam.

Permit No. 1005. Alex T. Gibson and Frances W. Gibson, Chico, Cal., 1.50 cu. ft. per second from about December 1 to about May 31 of each season, from Pine Creek, **Butte County**, for agricultural purposes on 120 acres.

Permit No. 1006. Louis P. Kearney, El Verano, Cal., 0.40 cubic foot per second from about April 1 to about June 15 of each season, from Sonoma Creek, **Sonoma County**, for agricultural purposes on 32 acres.

Permit No. 1007. A. Jacquemart, 320 Market St., San Francisco, Cal., 100 cu. ft. per second from January 1 to December 31 of each season from Little North Fork of Salmon River in **Siskiyou County**, tributary of North Fork of Salmon River, for mining purposes. Diversion works: Main ditch about 5 miles long, and dam of loose rock and concrete, with wasteway around dam.

Permit No. 1008. The Southern Sierras Power Company, Riverside Cal., 60 cu. ft. per second, of which 10 cu. ft. per second shall be diverted from Falls Creek, 10 cu. ft. per second from East Fork, and 40 cu. ft per second from Main Stream of Snow Creek, from January 1 to December 31 of each season, from Snow Creek and tributaries, including Falls Creek, in **Riverside County**, for power purposes. Total amount of power to be developed, 12,348 t.h.p. Diversion works Pipe lines 3.75 miles long and concrete dam 9'x25'x25'.

Permit No. 1009. The Southern Sierras Power Company, Riverside, Cal., 60 cu. ft. per second (of which not more than 20 cu. ft. per second may be diverted from East Fork and remainder from main branch) of Snow Creek and tributaries in **Riverside County**, for power purposes. Total amount of power to be developed, 5,577 t.h.p. Diversion works. Pipe line 2 miles long, and concrete dam 5'x25'x25'.

Permit No. 1010. S. Tilden Black, Summit, San Bernardino County, Cal., 0.75 cubic foot per second from about March 1 to about October 1 of each season, from West Fork of Mojave River, **San Bernardino County**, tributary of Mojave River, for agricultural purposes on 60 acres.

Permit No. 1011. El Solyo Land Company, San Francisco, Cal., 46.74 cu. ft. per second from about March 1 to about November 1 of each season, from the San Joaquin River, in **Stanislaus County**, for agricultural purposes on 3739 acres. Diversion works: Pumping system and main pipe lines 12,450 feet long. Est. cost of works, $125,000.

Permit No. 1012. Angelina Calac Omish and Gregorio Omish, Valley Center, Cal., .025 cubic foot per second throughout the year, as required for domestic purposes, and .012 cubic foot per second for irrigation purposes from about March 15 to about November 15 of each season, from a spring in **San Diego County**, tributary of San Luis Rey River, in NW ¼ of Section 1, T. 11 S, R. 1 W, S.B.M., for irrigation of one acre.

Permit No. 1015. Maxwell Adams, Reno, Nevada, 0.50 cubic foot per second from about March 1 to about August 1 of each season, from Rock Creek in **Butte County**, tributary of the Sacramento River, for agricultural purposes on 40 acres. Diversion by pumping and pipe line or ditch ½ mile long.

Permit No. 1016. John W. Swanson, Stockton, Cal., .25 cubic foot per second for direct diversion from about March 1 to about April 30 of each season, and 150 acre feet per annum for storage, to be collected from about January 1 to about April 30 of each season, from an unnamed ravine in NW ¼ of SE ¼ of Section 27, T. 14N, R. 9E, M.D.M., in **Placer County**, for agricultural purposes on 35 acres.

Permit No. 1017. W. B. Mason, Dunsmuir, Cal., 2 cu. ft. per second from January 1 to December 31 of each season, from Indian Creek, in **Shasta County**, tributary of Sacramento River, for agricultural and domestic purposes, water to be used on 320 acres. Diversion works: Pipe line 1 mile long and dam 4'x20'x15'.

Permit No. 1018. J. H. Bunn, Montgomery Creek, Cal., 2.50 cu. ft. per second from about March 15 to about October 15 of each season, and throughout the remainder of the year as required for domestic purposes, from Montgomery Creek, **Shasta County**, tributary of Pit River, for irrigation, watering stock and domestic purposes, on 200 acres. Diversion works: Main ditch about 2 miles long and loose rock, brush and earth dam about 3'x about 40'x about 40'.

Permit No. 1019. A. Hafer, Alturas, Cal., 160 acre feet per annum to be collected from about December 1 to about May 1 of each season from an unnamed canyon in SW ¼ of SW ¼ of Section 28, T. 2N, R. 12E, M.D.M., in **Modoc County**, tributary of Pit River, for irrigation purposes.

H. A. KLUEGEL,
Chief of Division of Water Rights,
State Department of Public Works.

S. C. EDISON COMPANY SAVES ON EQUIPMENT CONTRACTS

Contracts were awarded recently by the Southern California Edison Company for new equipment on the Big Creek project at a saving of more than $1,387,000 under prices prevailing during 1921, according to E. R. Davis, manager of construction for the company. The items involved in this saving are electrical machinery, water wheels, pipe lines and transformers.

Early estimates called for an expenditure of $4,577,000 for materials and equipment on this work. All the contracts have now been placed at a total of $3,290,991.

These economies reflect the Edison company's great purchasing power, and also the prevailing condition of the metal market. The company's budget for 1922 calls for total expenditures exceeding $22,000,000.

Contracts Awarded Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

$1,000 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
1960	Janssen	Owner	3000
1963	Lachman	Cohn	15000
1964	Wright	Owner	2000
1966	Meyer	Owner	7000
1967	Olsen	Olsen	20000
1968	Sandow	Owner	9600
1969	Meyer	Meyer	7000
1970	Peters	Tuttle	1000
1971	Buchanan	Denke	20000
1972	Allred	Owner	10000
1973	Crocker	Snook	9500
1974	Same	Ellingson	54080
1975	Ross	Reeder	4000
1976	Breslin	Demarais	14440
1977	Kratz	Prout	8065
1978	Meyer	Owner	3000
1979	Same	Same	3000
1980	Devlin	Meyer	3000
1981	Pamies	Rushton	7000
1982	Will	Dodds	1200
1983	Lavezzo	Bertolino	1500
1984	Fink	Owner	500
1985	Gray	Owner	4000
1986	Hansen	Owner	9000
1987	Berendsen	Warden	4000
1988	Same	Same	4000
1989	Stallman	Stiefel	5450
1990	Scarpullo..	Ingraham	2735
1991	Cantus	Conlan	13960
1992	Kincanon	Owner	35000
1993	Downing	Owner	4000
1994	Miller	Owner	6000
1995	Eastern	Fink	3000
1996	Roesler	Wilson	6000
1997	Frank	Thunberg	4500
1998	Hermanson	Owner	9000
1999	Steinauer	Owner	3000
2000	Peck	Lindquist	1150
2001	Christoni	Amoroso	9500
2002	Stoesser	Ruegg	3450
2003	Rouda	Zelinsky	6150
2004	Janssen	Owner	3500
2005	Same	Same	7000
2006	Same	Same	3500
2007	Torre	Taylor	4800
2008	Trout	Owner	5000
2009	Achstetter	Hammer	4200
2010	Ghirardelli	Peterson	58000
2011	Schultz	Owner	18000
2012	Eisner	Johnson	20000
2013	Urban Rlty	Owner	10000
2014	Same	Same	5000
2015	Weiner	Black	8066
2016	Schulken	Deibel	5525
2017	Sullivan	Bateman	17350
2018	Peters	Steiger	2000
2019	Dowaras	Owner	116000
2020	Frances	Owner	1000
2021	Meacham	——	1000
2022	Brown	Owner	3000
2023	Erickson	Owner	3000
2024	Gruenig	Stevenson	3900
2025	Parsons	Johnson	1000
2026	Emanuel	Barrett	130000
2027	Chanslor	York	100000
2028	Stallman	Stiefel	5450
2029	Cantus	Conlan	13960
2029	Berg	Owner	3500
2030	Schoenfeld	McIntosh	8650
2031	Andren	Owner	10000
2032	Schraib	Merritt	3100
2033	Fleishhacker	Robinson	2910
2034	Tucker	Morton	2000
2035	Fleishhacker	Robinson	8950
2036	Grosman	Grosman	2000
2037	Jamison	Hamill	12000
2038	Miller	Liebman	14000
2039	Nelson	Owner	9000
2040	Joost	Hinrichs	1700
2041	Meese	Wilhelm	3850
2042	Mitchell	Martin	3000
2043	Schumann	Owner	3850
2044	Woodmansee	Owner	1500
2045	Crocker	Cal Elec	2630
2046	Crocker	Ankers	3750
2047	Anderson	Meyer	25508

DWELLING
(1960) N BALBOA 82-6 W Sixth Ave. One-story and basement frame dwelling.
Owner—E. A. Janssen, 402 Hearst Bldg San Francisco.
Architect—None.
Day's work. $3000

ALTERATIONS
(1963) NE MISSION & SEVENTEENTH Re-arrange interior stud partitions; new store fronts and fat-proofing.
Owner—G. Lachman, Mission and 16th Sts., San Francisco.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—Louis J. Cohn, 110 Sutter St., San Francisco. $15,000

DWELLING
(1964) SE LONDON 149-10 NE Amazon. One-story and basement frame dwelling.
Owner—J. W. Wright Sons Invst. Co., 228 Montgomery St., San Francisco.
Architect—None.
Day's work. $2000

FLATS
(1966) W NINETEENTH AVE 175 N Clement. Two-story and basement frame (2) flats.
Owner—Meyer Bros., 5326 Geary St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Day's work. $7000

DWELLINGS
(1967) N SANTA YNEZ 125, 150, 175, 200 and 225 E Delano. Five one-story and basement frame dwlgs.
Owner—Amanda Olsen, 360 Granada Ave., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Olaf Olson, 360 Granada Ave., San Francisco. $4000 each

DWELLINGS
(1968) W TWENTY-FIFTH AVE 26 and 52 S Balboa. Two one-story and basement frame dwellings.
Owner—Harry L. Sandow, 2482 Fulton St., San Francisco.
Architect—None.
Day's work. $4800 each

FLATS
(1969) E TWENTY-FOURTH AVE 125 S Geary. Two-story and basement frame (2) flats.
Owner—Meyer Bros., 5326 Geary St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $7000

UNDERPIN
(1970) NO. 415 GRAFTON AVE. Underpin cottage; alter for basement garage and add one room.
Owner—Peters, Premises.
Architect—None.
Contractor—P. M. Tuttle, 219 Tara St. San Francisco. $1000

APARTMENTS
(1971) NE BROADWAY AND TAYLOR Three-story and basement frame (4) apartments.
Owner—W. Buchanan, 1738 Larkin St., San Francisco.
Architect—E. H. Denke, 1317 Hyde St., San Francisco.
Contractor—E. H. Denke, 1317 Hyde St., San Francisco. $20,000

FRAME FLATS
(1972) SW TWENTY-SEVENTH AVE and Irwin. Two-story and basement frame (1) flats.
Owner— C. S. Allred, 159 Liberty St., San Francisco.
Architect—None.
Day's work $10,000

PLUMBING
(1973) W GUERRERO 141-9 S Market N 141-9 SW 149-10½ SE 122-3½ m er l. All work for plumbing for apartment house.
Owner—Mary Ives Crocker, Insurance Exchange Bldg., San Francisco.
Architect — Nathaniel Blaisdell, 255 California St., San Francisco.
Contractor—Frederick W. Snook Co., 596 Clay St., San Francisco.
Filed May 5, '22. Dated Apr. 20, '22.
Roughed in $3500
Completed and accepted..... 3625
Usual 35 days..... 2375
TOTAL COST, $9500
Bond, $4750. Sureties, Jos. C. Staudinger and Everett T. Grimes Limit, 100 days. Forfeit, $20. Plans and specifications filed.

(1974) EXCEPT PLUMBING, STEAM heating, wiring, lighting fixtures, shades, trimming hardware and painting on above.
Contractor — E. Ellingson, 180 Jessie St., San Francisco.
Filed May 5, '22. Dated Apr. 20, '22.
Walls up to 1st story level..$ 4,000
Walls up to 2nd story level... 5000
Walls up to 3rd story level.. 6000
Building roofed..... 6000
Plastering done 6000
Two stories completely trimed 6000
Completed and accepted..... 8560
Usual 35 days..... 13,520
TOTAL COST, $54,080
Bond, $27,040. Sureties, Emil Hoberg and E. J. Nutting. Limit, 100 days. Forfeit, $20. Plans and specifications filed.

GRADING
(1975) N JACKSON 115-6 E Broderick E 95-8 2/5 xx 137-6. All work for grading.
Owner—H. Kalisky.
Architect—T. Paterson Ross, 310 California St., San Francisco.
Contractor—A. J. Reeder, 180 Jessie St., San Francisco.
Filed May 5, '22. Dated May 4, '22.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $4000
Bond, limit, none. Forfeit, $5. Plans only filed.

FRAME BLDG.
(1976) SE THIRD AVE AND ANZA. All work for two-story frame flats.
Owner—Daniel and Mary Breslin, 819 Santa Clara St., Vallejo.
Architect—None.
Contractor—B. W. Demarais & Sons, 732 Page St., San Francisco.
Filed May 5, '22 Dated Apr. 17, '22.
Roof on $3610
Rough coat plaster on..... 3610

Completed 3610
Usual 35 days..... 3610
TOTAL COST, $14,440
Bond, limit, forfeit, none. Plans and specifications filed.

RESIDENCE
(1977) S CASTENADA 166 E Pacheco being Lot 21 Ptn Lot 20 Blk 14, Forest Hill. All work except shades, finish hardware, light fixtures, wall paper, furnace and tile for fire place for two-story and basement frame residence.
Owner—Carl E. and Estelle V. Kratz, 479 20th Ave. San Francisco.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.
Contractor—J. Prout, 2020 Turk St., San Francisco.
Filed May 5, '22. Dated May 3, '22.
Frame up and roof boards on..$2017
Brown coated 2016
Completed and accepted..... 2016
Usual 35 days..... 2016
TOTAL COST, $8063
Bond, $4032.50. Surety, Fidelity & Deposit Co. of Maryland. Limit, 90 days. Forfeit, $5. Plans and specifications filed.

DWELLING
(1978) NW ANZA & FORTY-FOURTH Ave One-story and basement frame dwelling.
Owner—Meyer Bros., 5326 Geary St. San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Day's work. $3000

DWELLING
(1979) N ANZA 90 W Forty-fourth Ave. One-story and basement frame dwelling.
Owner—Meyer Bros., 5326 Geary St., San Francisco.
Architect—None.
Day's work. $3000

DWELLING
(1980) N ANZA 115 W Forty-fourth Ave. One-story and basement frame dwelling.
Owner—Geo. Devlin, 232 Point Lobos Ave., San Francisco.
Architect—H. C. Baumann, 251 Kearny St. San Francisco.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $3000

FRAME FLATS
(1981) N FULTON 167-6 W Fifteenth Ave. Two-story and basement frame (2) flats.
Owner—Louis Pamies, 447 Chenery St., San Francisco.
Architect—H. E. Harris, 815 Balboa St., San Francisco.
Contractor—C. A. Rushton, 1915 Baker St., San Francisco. $7000

PLASTER FRONT
(1982) NO. 1560 JONES. Plaster exterior front of apartment house.
Owner—Mr. Will, Premises.
Architect—None.
Contractor—W. R. Dodds, 1396 Pacific Ave., San Francisco. $1200

GARAGE
(1983) SE MISSOURI AND SEVENTEENTH. One-story concrete private garage.
Owner—Joe Lavezzo, 1233 17th St., San Francisco.
Architect—None.
Contractor—M. Bertolleo, 32 Shotwell St., San Francisco. $1500

ALTERATIONS
(1984) E THIRTEENTH bet Mission and Howard. Remodel office space, elevate roof; install windows and build staircase.
Owner—Fink & Schindler Co., 218 13th St., San Francisco.
Architect—V. W. Hougoton, 218 13th St., San Francisco.
Day's work. $500

DWELLING
(1985) W TWENTY-SECOND AVE 99-5 N Cabrillo. One-story and basement frame dwelling.
Owner—Alfred J. Gray, 763 11th Ave., San Francisco.
Architect—None.
Day's work. $4000

DWELLINGS
(1986) E VALDFZ 40, 80 and 120 S Montecito. Three one-story and basement frame dwellings.
Owner—Walter E. Hansen, 2235 Market St., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Day's work. $3000 each

RESIDENCE
(1987) W FIFTEENTH 150 S Judah S 25x W127. All work for one-story and basement residence.
Owner—Julius Berendsen, Russ Bldg., San Francisco.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—F. Warden, 240 Montgomery, St., San Francisco.
Filed May 6, '22. Dated Apr. 21, '22.
1st story joists in position.....$ 750
Roofed and enclosed..... 750
Brown coated 750
Completed and accepted..... 750
Usual 35 days..... 1000
TOTAL COST, $4000
Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(1988) S JUDAH 87 W Fifteenth Ave W 25x8 100. All work for one-story and basement residence.
Owner—Julius Berendsen, Russ Bldg., San Francisco.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—F. Warden, 240 Montgomery, St., San Francisco.
Filed May 6, '22. Dated Apr. 21, '22.
1st story joists in position.....$ 750
Roofed and enclosed..... 750
Brown coated 750
Completed and accepted..... 750
Usual 35 days..... 1000
TOTAL COST, $4000
Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported Apr. 28, 1922 No. 1796.

FRAME BUILDING
(1989) E TWENTY-SEVENTH AVE 267 N Cabrillo N 25xE 120. All work for one-story and basement frame building.
Owner—Ralph F. Stallman.
Architect—Herman Barth, Phelan Bldg., San Francisco.
Contractor—Jno. V. Stiefel, 184 23rd St., San Francisco.
Filed May 6, '22. Dated Apr. 29, '22.
Frame up $1362.50
Brown coated 1362.50
Completed and accepted..... 1362.50
Usual 35 days 1362.50
TOTAL COST, $5450.00
Bond $3170. Sureties, Chas. S. Bayent and M. A. Slattery. Limit, 90 days. Forfeit, none. Plans and specifications filed.

TAMALE PARLOR
(1990) W POLK 50 S Bush No. 1247 Polk St. All work except painting, plumbing, composition floor, glass, tile and electricity for tamale parlor.
Owner—G. Scampulla & Architect.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Contractor—M. C. Ingraham, 150 Duboce St., San Francisco.
Filed May 6, '22. Dated ——
Partitions ready for plaster and roof over rear $683
Mill work delivered and new store fr 683
Completed and accepted..... 683
Usual 35 days..... 683
TOTAL COST, $2735
Bond, none. Limit, 24 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
(1991) W JULIAN AVE 125 N 16th St. Three-story and basement frame (6) apartments.
Owner—George and Nellie Cantus, 867 Fell St., San Francisco.
Architect—None.
Contractor—Edw. J. Conlan, 1935 Howard St., San Francisco. $13,960

APARTMENTS
(1992) N CLAY 107½ W Leavenworth. Three-story and basement frame (10) apartments.
Owner—Kincanon & Perego, 159 Sutter St., San Francisco.
Architect—None.
Day's work. $35,000

RESIDENCE
(1993) E CULEBRA TERRACE, bet. Chestnut and Lombard. Two-story and basement frame residence.
Owner—Miss M. Downing, 1100 Franklin St., San Francisco.
Architect—D. E. Graham, 1100 Franklin St., San Francisco.
Day's work. $1000

DWELLINGS
(1994) W FLORIDA 90 and 115 S 26th. Two two-story and basement frame dwellings.
Owner—Wm. Miller, 49 Park St., S. F.
Architect—None.
Day's work. $3000 each

ALTERATIONS
(1995) NO. 1017 MARKET. Remodel first and mezanine floor; new store front.
Owner—Eastern Outfitting Co., Prem.
Architect—H. P. Vollmer, 407 Flood Bldg., San Francisco.
Contractor—Fink & Schindler, 218 13th St., San Francisco. $3000

DWELLING
(1996) NW PORTOLA DRIVE AND Clarement. Two-story and basement frame dwelling.
Owner—Harry A. Roesler, San Anselmo.
Architect—Chas. F. Strothoff, 2276 15th St., San Francisco.
Contractor—Wilson & Benson, 336 Ashton Ave., San Francisco. $6000

DWELLING
(1997) NE TWENTY SIXTH AVE & Cabrillo. One-story and basement frame dwelling.
Owner—M. A. Frank, 590 11th Ave., San Francisco.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.
Contractor—Oscar W. Tounberg, 678-A 9th Ave., S. F. $4500

FRAME FLATS
(1998) W SEVENTEENTH AVE 250 N Balboa. Two-story and basement frame (2) flats.
Owner—C. Hermanson, 556 California St., San Francisco.
Architect—None.
Day's work. $9000

ALTERATIONS
(1999) N TWENTY-THIRD 122-6 E Mission. General alterations and change for 4 apartments and 1 flat.
Owner—Theresa Steinauer, 607 Castro St., San Francisco.
Architect—None.
Day's work. $3000

ALTERATIONS
(2000) NO. 176 TWENTY-SIXTH AVE. Replace concrete floor, and other repairs for basement garage.
Owner—Mr. Peck, Premises.
Architect—None.

Contractor—C. Lindquist, 1511 Baker St., San Francisco. $1150

FRAME FLATS
(2001) W STOCKTON 69-8 S Greenwich S 22xW 70. All work for two-story frame flats.
Owner — Raffaele Christoni, 1575 Stockton St., San Francisco.
Architect—L. Traverso, 854 Union St., San Francisco.
Contractor—F. C. Amoroso, 1336 Kearny St., San Francisco.
Filed May 8, '22. Dated May 4, '22.
Roof on $2375
Brown coated 2375
Completed and accepted..... 2375
Usual 35 days..... 2375
TOTAL COST, $9500
Bond, $4750. Sureties, Tony Domico & N. Gallucci. Limit, —. Forfeit, $75. Plans and specifications filed.

BUILDING
(2002) E SHOTWELL 235 S Fourteenth 25x122-6. All work except plumbing, electrical work and iron work for one-story building.
Owner—Wm. P. Stoesser, 53 Shotwell St., San Francisco.
Architect—None.
Contractor—Ruegg Bros., Inc., 319 Precita Ave., San Francisco.
Filed May 8, '22. Dated Apr. 28, '22.
Frame up $862
Trusses in place..... 862
Completed 862
Usual 35 days..... 862
TOTAL COST, $3450
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
(2003) S GEARY 186-3 W Leavenworth W 48-9xS 137-6. Painting for Class C brick apartment building.
Owner—S. Rouda, 40 Powell St., S. F.
Architect—Sylvain Schnaittacher, 237 Post St., San Francisco.
Contractor—R. Zelinsky, 180 Jessie St., San Francisco.
Filed May 8, '22. Dated Feb. 28, '22.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $6150
Bond, $3075. Sureties, M. H. Gnecco & Marion D. Cohn. Limit, without delay. Forfeit, $20. Plans and specifications filed.

DWELLING
(2004) S CABRILLO 70 W 20th Ave. One-story and basement frame dwelling.
Owner—E. A. Janssen, 402 Hearst Bldg., San Francisco.
Architect—None.
Day's work. $3500

DWELLINGS
(2005) E FIRST AVE 75 and 100 S Edward. Two one-story and basement frame dwellings.
Owner—E. A. Janssen, 402 Hearst Bldg., San Francisco.
Architect—None.
Day's work. $3500 each

DWELLING
(2006) E TWENTY-SIXTH 9VE 310 N Balboa. One-story and basement frame dwelling.
Owner—E. A. Janssen, 402 Hearst Bldg., San Francisco.
Architect—None.
Day's work. $3500

REPAIRS
(2007) S BAY 83-6 W Grant Ave. Repair fire damage to warehouse.
Owner—G. B. Torre & Sons, 105 Bay St., San Francisco.
Architect—None.
Contractor—Taylor & Goericke, 220 Sharon Bldg., San Francisco. $4800

DWELLING
(2008) E DORCHESTER WAY 120 N Ulloa. One-story and basement frame dwelling.
Owner—J. Preut, 2020 Turk St., San Francisco
Architect—None.
Day's work $5000

DWELLING
(2009) S MORSE 159 E Newton. One-story and basement frame dwelling
Owner—Edward Achstetter, 61 Morse St., San Francisco.
Architect—None.
Contractor—Geo. Hammer, 67 Willets St., Daly City. $4200

ADDITION
(2010) N NORTH POINT bet. Larkin and Polk. Two-story brick and mill addition to warehouse.
Owner—D. Ghirardelli Co., Premises.
Architect—Wm. Mooser, Nevada Bank Bldg., San Francisco.
Contractor—H. L. Peterson, Lick Bldg., San Francisco. $58,000

APARTMENTS
(2011) E DOLORES 83-3 N 15th. Three story frame (8) apartments.
Owner—Dr. C. Harrington Schultz, Anglo Bldg., San Francisco.
Architect—A. J. Horstmann, 303 Anglo Bldg., San Francisco.
Day's work. $18,000

ALTERATIONS
(2012) S SUTTER 162-6 W Grant Ave. Construct stairs; add reinforced concrete walls and other alterations for club quarters.
Owner—Milton D. Eisner, 128 Sutter St., San Francisco.
Architect—Samuel Lightner Hyman, 68 Post St., San Francisco.
Contractor — J. Harold Johnson, 180 Jessie St., San Francisco. $20,000

RESIDENCES
(2013) E DE SOTO 363 and 431 S Urbano Drive. Two two-story and basement frame residences.
Owner—Urban Realty Improvement Co. 85 Cerritos Ave., San Francisco.
Architect—H. K. Lovell, 85 Cerritos Av San Francisco.
Day's work. $5000 each

RESIDENCE
(2014) E VICTORIA 83 S Urbano Dr. Two-story and basement frame residence.
Owner—Urban Realty Improvement Co. 85 Cerritos Ave., San Francisco.
Architect—H. K. Lovell 85 Cerritos Av San Francisco.
Day's work. $5000

STORES AND FLATS
(2015) LOT 7 BLK 3, Crocker Amazon Tract. All work for two-story frame building (store and flat).
Owner—S. and Lena Weiner, 3360 Mission St., San Francisco.
Architect—None.
Contractor—Wm. J. Black, 1306 Guerrero St., San Francisco.
Filed May 9, '22. Dated May 8, '22.
Frame up $2000
Brown coated 2000
Completed and accepted..... 2000
Usual 35 days..... 2066
TOTAL COST, $8066
Bond, $4000. Sureties, Eleanor M. Black and Margaret I. Nisbet. Limit, forfeit, plans and specifications, none.

FRAME FLATS
(2016) W ARGUELLO BLVD 110 S Hugo S 25xW 120. Carpenter and mill work for two-story and basement frame flat building.
Owner—Russell Schulken, % Architect.
Architect—Mel I. Schwartz, Nevada Bk. Bldg., San Francisco.
Contractor—Louis J. Deibel.
Filed May 9, '22. Dated May 5, '22.
2nd floor joists set.....$1381.25
Ready for lathing..... 1381.25
Completed and accepted..... 1381.25
Usual 35 days..... 1381.25
TOTAL COST, $5525.00
Bond, $2762.50. Sureties, Wm. J. Cerego hiro and Fredk. S. Spencer. Limit, 100 days. Forfeit, none. Plans and specifications filed.

GARAGE
(2017) E VALENCIA 90 S 21st S 50xE 122-6. All work for one-story reinforced concrete garage building
Owner—Matt I. Sullivan, Humboldt Bk Bldg., San Francisco.
Architect—None.
Contractor—J. C. Bateman, 2303 Bush St., San Francisco.
Filed May 9, 22. Dated Apr. 29, '22.
Wood forms for concrete n....$1500
Reinforcement installed above forms 1500
Concrete material poured..... 2500
Wood forms for concrete in place to level of roof trusses and reinforcement installed 2000
Concrete poured to level of roof trusses 2500
Roof finished 1500
Completed and accepted..... 1462
Usual 35 days..... 4388
TOTAL COST, $17,350
Bond, $9000. Surety, Chas. H. Graham. Limit, July 29, 1922. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(2018) S CARL 50 W Cole. Alter for stores; show windows, etc.
Owner — Peters Bros., Cole and Carl Sts., San Francisco.
Architect—None.
Contractor—H. Steiger, 1630 Haight St., San Francisco. $2000

APARTMENTS
(2019) NW EIGHTH AVE. & FULTON Five-story and basement reinforced concrete (24) apartments and stores.
Owner—James Dewaras, 3200 Fulton St., San Francisco.
Architect—Henry Shermund, Hearst Bldg., San Francisco.
Day's work. $116,000

DWELLING
(2020) W FORESTER 25 N Flood One-story and basement frame dwelling.
Owner — Theodor Frances, 10 Staples St., San Francisco.
Architect—None.
Day's work. $1000

ALTERATIONS
(2021) NO. 1426-28 HAIGHT. Erect studded partition in store, plastering, etc.
Owner — F. E. Meacham, 1410 Haight St., San Francisco.
Architect—C. M. McNally, 661 Golden Gate Ave., San Francisco.
Not Let. $1000

DWELLING
(2022) N JUDAH 75-6 E Nineteenth Ave. One-story and basement frame dwelling.
Owner—S. E. Brown, 1434 6th Ave., San Francisco.
Architect—None.
Day's work. $3000

RESIDENCE
(2023) E PLYMOUTH 125 S Grafton. Two-story and basement frame residence.
Owner—E. Erickson, 972 Plymouth Ave San Francisco.
Architect—None.
Day's work. $3000

ADDITION, ETC.
(2024) N TWENTY-FIFTH 50 W Bryant. Grading; addition of 2 bathrooms; underpinning, foundations, etc., for dwelling.
Owner—Geo. Gruenig, 2952 Bryant St., San Francisco.
Architect—None.
Contractor—L. H. Stevenson, 45 Worth St., San Francisco. $3900

ALTERATIONS
(2025) NO. 3173 TWENTY-FIRST ST. Ratproof basement of dwelling; T. and G roof; addition of one room.
Owner—Dr. E. W. Parsons, Premises.
Architect—None.
Contractor—Joel Johnson, 1614 Church St., San Francisco. $1000

CLUB BLDG.
(2026) NW PAGE AND LAGUNA Three-story and basement brick and concrete club.
Owner—Emanu-El Sisterhood, Steiner and Goldeen Gate Ave., S. F.
Architect—Julia Morgan and Dorothy Wormser, Merchants' Exchange Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco $130,000

BUSINESS BLDG.
(2027) E POLK bet. Ellis and Willow Ave. Four-story and basement brick business building.
Owner—Chanslor & Lyon Co., 1238 Van Ness Ave., San Francisco.
Architect — W. L. Schmolle, 40 Montgomery St., San Francisco.
Contractor—York Realty Co., 40 Montgomery St., San Francisco. $100,000

FRAME BLDG.
(2028) E TWENTY-SEVENTH AVE 267 N Cabrillo N 25xE 120. All work for one-story and basement frame building.
Owner—Ralph F. and Natalie E. Stallman.
Architect —Hermann Barth, Phelan Bldg., San Francisco
Contractor—Jno V Stiefel, 184 23rd St., San Francisco
Filed May 10, '22. Dated Apr. 29, '22.
Enclosed $1362.50
Brown coated 1362.50
Completed and accepted 1362.50
Usual 35 days..... 1362.50
TOTAL COST, $5450.00
Bond, $5450. Sureties, Chas. S. Boyen and M. A. Slattery. Limit, 90 days. Forfeit, none. Plans and specifications filed.

STORE BLDG.
(2029) W JULIAN AVE 125 N 16th St All work for a three-story and basement frame building.
Owner—Geo. and Nellie Cantus, 867 Fell St., San Francisco.
Architect—None.
Contractor—Edward J. Conlan, 1935 Howard St., San Francisco.
Filed May 10, 1922. Dated May 8, 1922
Frame up $3490
Brown coated 3490
Completed and accepted..... 3490
Usual 35 days..... 3490
TOTAL COST, $13,960
Bond, $9000. Sureties, Catherine Klein, Adolph Sollman. Forfeit, none. Limit, 120 days. Plans and specifications filed.

ALTERATIONS
(2029) SE ROSWORTH AND CUVIER. Remove present roof on dwelling and construct one-story frame addition
Owner—Chas. Berg, Relief Home, S. F.
Architect—None.
Day's work $3500

STORES
(2030) N EDDY 187-6 W Taylor One-story brick Class C (2) stores.
Owner — Harold J. Schoenfeld, 330 Bankers' Invest. Bldg., S. F.
Architect—F. H. Meyer and A. R. Johnson, 742 Market St., San Francisco.
Contractor—Melatsch Bros., 180 Jessie St., San Francisco. $8650

FRAME FLATS
(2031) W FIFTEENTH AVE 281-6 S Balboa Two-story and basement frame (2) flats.
Owner—J. A. Andren, 756 Duboce Ave., San Francisco.
Day's work. $10,000

ALTERATIONS
(2032) NO. 670 FORTY-FIFTH AVE. Alterations, repairs and additions for two flats.
Owner—Mr. and Mrs. Schraib, Premises
Architect—None.
Contractor—Geo. M. Merritt, 3014 Geary St., San Francisco. $3100

ALTERATIONS
(2033) NE JONES AND MARKET. General alterations and repairs for (advertising firm) offices.
Owner—M. Fleishhacker, % Anglo-California Trust Co., Market and Sansome St., San Francisco.
Architect—None.
Contractor—Robinson & Gillespie, 1051 Sutter St., San Francisco. $2910

ALTERATIONS
(2034) SW LARKIN AND WILLOW. Close up door openings, remove present and install new store fronts.
Owner—Mrs. R. C. Tucker, 80 Post St., San Francisco.
Architect—Andrew H. Knoll, Hearst Bldg., San Francisco.
Contractor—Morton Builders, 217 Balboa Bldg., San Francisco. $2000

REPAIRS
(2035) NO. 9 MAIN ST. Repair fire damage in office building.
Owner—M. Fleishhacker, % Anglo-California Trust Co., Market and Sansome St., San Francisco.
Architect—None.
Contractor—Robinson & Gillespie, 1051 Sutter St., San Francisco. $8950

DWELLING
(2036) N RUSSIA 100 W Lisbon. One-story and basement frame dwelling
Owner—Mrs. J. G. Grosman, 447 London St., San Francisco.
Architect—None.
Contractor—W. E. Grosman, 447 London St., San Francisco. $2000

FRAME FLATS
(2037) W SIXTEENTH AVE 225 N Balboa. Twe-story and basement frame (2) flats.
Owner—Marie Jamison, 613 Geary St., San Francisco.
Architect—Milton Morrison, 716 41st Ave., San Francisco.
Contractor—Thos. Hamill, 707 42d Ave., San Francisco. $12,000

FRAME FLATS
(2038) NE THIRD AVE AND IRVING Two-story and basement frame (4) flats.
Owner—Frank C. Miller and Bessie M. Miller, 146 Parker Ave., S. F.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—B. Liebman, 113 9th Ave., San Francisco. $14,000

FRAME FLATS
(2039) W SEVENTEENTH AVE 250 S Anza. Two-story and basement frame (2) flats.
Owner—P. Algot Nelson, 205 Eureka St., San Francisco
Architect—None.
Day's work. $9000

ALTERATIONS
(2040) N TWENTY-SIXTH 25 W Mission. General alterations and repairs for stores.
Owner—Fabian Joost Co., Martinez Calif.
Architect—None.
Contractor—J. T. Hinrichs, 216 14th St., San Francisco $1700

ALTERATIONS
(2041) SE TREAT AVE AND NINETEENTH. Metal lath and plaster exterior of shop building.
Owner—Meese-Gottfried Co., 19th and Harrison Sts., San Francisco.
Architect—None.
Contractor—A. H. Wilhelm, 180 Jessie St., San Francisco. $3850

ALTERATIONS
(2042) SW TARAVAL & TWENTY-seventh Ave. Raise, alter and make one-story addition for 4-room flat (store and flat).
Owner—Mr. Mitchell, Premises.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—Wm. Martin, 180 Jessie St., San Francisco. $3000

DWELLING
(2043) E TWENTY-EIGHTH AVE 280 S Geary One-story and basement frame dwelling.
Owner—Anna Schumann, 233 Anza St.
Architect—None.
Day's Work. $3850

ALTERATIONS
(2044) 210 ELLIS ST. REARRANGE front and rearrange lobby for stores.
Owner—Mrs. Del Woodmansee, 210 Ellis St.
Architect—None.
Days' Work $1500

ELECTRICAL WORK
(2045) W GUERRERO 141-9 SE Market N 141-9 SW 149-10½ SE 122-3½ m or l M B 24. Electrical work for three-story and basement apartment house.
Owner—Mary Ives Crocker, Insurance Exchange Bldg., San Francisco.
Architect—Nathaniel Blaisdell, 255 California St., San Francisco.
Contractor — California Elec. Constr. Co., 687 Mission St., S. F.
Filed May 11, '22. Dated Apr. 28, '22.
Roughed in .....$ 950
Completed and accepted..... 1020
Usual 35 days..... 660
TOTAL COST $2630
Bond, $1315. Surety, Fidelity & Deposit Co. of Maryland. Limit, 60 days. Forfeit, $20. Plans and specifications filed.

(2046) PAINTING, TINTING, PAPERing, etc., on above.
Contractor—H. Ankers, 22 Lexington St., San Francisco.
Filed May 11, '22. Dated Apr. 24, '22.
Interior and exterior 1st coated.$935
Interior and exterior 2nd coated 935
Completed and accepted..... 942
Usual 35 days..... 938
TOTAL COST, $3750
Bond, $1875. Sureties, Jas. Ringrose and G. P. W. Jensen. Limit, 60 days. Forfeit, $20. Plans and specifications filed.

DWELLINGS
(2047) NE TWENTY-EIGHTH AVE & Balboa. All work for two six-room dwellings and 4 5-room dwellings.
Owner—Jonathan Anderson, 423 16th Ave., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.
Filed May 11, '22. Dated Apr. 7, '22.
Frames up $6377.10
Brown coated 6377.10
Completed 6377.15
Usual 35 days..... 6377.15
TOTAL COST, $25,508.00
Bond, none. Limit, 120 days. Forfeit, plans and specifications, none.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
May 10, 1922—S SUTTER 137-6 E Montgomery E 40xS 85. John C Erickell to Monson Bros. May 11, 1922
May 11, 1922—S EIGHTEENTH 100 E Castro 25x100. K Zakeassian to Wm Horstmeyer Co. . . April 12, 1922

May 10, 1922—INT. N CRESCENT Ave and W line Lot 20 N 75xE 25. Harry W Hind to whom it may concern.....May 10, 1922

May 10, 1922—INT. W LINE LOT 19 and N Crescent Ave N 75xE 25. Harry W Hind to whom it may concern.....May 10, 1922

May 10, 1922—INT. N CRESCENT AV and W line Lot 18 N 75xE 25. Harry W Hind to whom it may concern.....May 10, 1922

May 10, 1922—NO. 15, 17, 25, and 37 Spear and 16 and 40 Steuart and Southern Pacific Bldg known as Annex A fronting on Spear bet. Market and Mission. Southern Pacific Co to W Heidt Cornice Wks. .....May 3, 1922

May 10, 1922—NE SPEAR AND MISsion. Southern Pacific Co to Hill Hubbell & Co.....May 3, 1922

May 10, 1922—E GUERRERO 148 N 19th N 49-6xE 106. Dairy Dellvery Co to whom it may concern..... .....May 10, 1922

May 10, 1922—LOT 22 BLK 4, Forest Hill. Oscar D Dorr to whom it may concern..... ...May 9, 1922

May 10, 1922—W ASHBURY 25 N Hayes N 50xW 76-3. Westerly Constr Co to whom it may concern .....May 8, 1922

May 10, 1922—E TWENTY-SIXTH Ave 325 N Cabrillo N 25xE 120. Einar Fosselius to whom it may concern.....May 10, 1922

May 10, 1922—E TWENTY-THIRD Ave 175 N Cabrillo N 75xE 120. Alexander H Reith to Thos E Mohler.....May 9, 1922

May 9, 1922—N FREDERICK 56 W Downey W 25xN 103. Mrs E M Horwege to W T Lorenzen. May 9, '22

May 9, 1922—NE AMAZON AV 50.3418 SE Vienna NE 94.32 m or 1 SE 25 SW 91.62 NW 25.15 m or 1 Ftn Blk 60, Excl Hd Assn. Louis Levy to Jos Novello and Louis Pastorini... .....May 8, 1922

May 9, 1922—E FORTY-SEVENTH Ave 90 S Balboa S 30xE 120. A Antipa to W Van Herick. May 9, 1922

May 9, 1922—NW TWENTY-SIXTH Ave and West Clay W 40xN 100. C R Haley to Wm G Gilmour. May 9, '22

May 8, 1922—NW PINE AND MONTgomery N 125xW 138-6. Commercial Union Assurance Co, Ltd., and The California Insurance Co to Jas T Ludlow.....May 8, 1922

May 8, 1922—E FUNSTON AVE 100 S California E 25x120. Patrick Hannon to Thos McCormick..... .....May 8, 1922

May 8, 1922—N ANZA 82-6 E Ninth Ave E 25xN 100. Anna Weber to whom it may concern....May 8, 1922

May 8, 1922—NE HAYES AND CENtral Ave E 75xN 100. Carl H Peterson to whom it may concern..... .....May 6, 1922

May 8, 1922—LOT 25x100 on E Side Newman St. No. 148 Newman St. Clara Godley to John W Barrett.. .....May 8, 1922

May 8, 1922—W UTAH 225 N 24th 25x 100. Jacob Nyman to Wm H Grahn .....May 1, 1922

May 6, 1922—NE GUERRERO AND Clinton Park N 21xE 90. Christine Gock to Mager Bros.....May 3, 1922

May 6, 1922—S O'FARRELL 110 E Hyde 27-6x77-6. George S Boss to whom it may concern..May 6, 1922

May 6, 1922—N HOWARD 275 E Second E 50xN 85. Louis R Lurie to Barrett & Hilp.....April 3, 1922

May 5, 1922—E JONES 68-9 S Geary E 68-9xS 22-11. Wm H Woodfield to Barrett & Hilp.....May 3, 1922

May 5, 1922—NE GEARY & PARKER Ave. A Consani and Mrs. Florence Consani to H J Hansan..May 3, 1922

May 5, 1922—E TWENTIETH AVE 100 N Cabrillo N 150 E 120 S 5-6 E 22-6 S 119-6 W 50 S 25 W 92. Emil Nelson to whom it may concern.. .....May 4, 1922

May 5, 1922—LOT 15 BLK 2975, Claremont Court. George Holden to J Prout.....May 1, 1922

May 5, 1922—LOTS 3 AND 5 BLK 3136, Westwood Park. Hans and Esther E Nelson to whom it may concern..... ...May 2, 1922

May 4, 1922—LOT 17 BLK 3198, Westwood Park. Harlow T Paul to Walter E Hansen.....May 1, 1922

LIENS FILED

SAN FRANCISCO COUUTY

May 9, 1922—LOT 3 BLK 3112, Westwood Park. R E Powell vs Mary L and Clarence Bean.....$296.29

May 6, 1922—SW STEINER AND McAllister S 55xW 104-11. Keystone Electric Co vs L J Price..$583

May 5, 1922—S CASELLI AV 212-7½ W Clover Lane W 25 S 96 m or 1 E 25 N 96 m or 1 R O'Connell vs J Niemela $75

May 5, 1922—LOTS 23 AND 24 BLK 24, Lakeview. Port Costa Brick Works, $573.75; United Materials Co, $283.25 vs Jennie Parker. Nevada M Ogston and Thos H Parker

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount

May 10, 1922—PPTY IN WESTWOOD Park. H C Corby, Atlas Heating & Ventilating Co, Mangrum & Otter, Richmond Elec Co, G Massagli & Co, Reinhart Lumber & Planing Mill Co, Robert H Smith, Edw E Madden, F G Norman & Sons, F Zahnd and White Bros to Louis A Bauer and Lucy Bauer.....

May 10, 1922—E BRYANT 50 S 26th S 25xE 100. Reinhart Lumber & Planing Mill Co to W E Von Kraskar .....

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

May 11, 1922—O. L. BLK 1247. Hiram B Cook Jr and Nancy G Cook as to improvements on property...

May 9, 1922—SE SUTTER AND Powell S 138-5xE 115-9. Real Property Invst Corp as to improvements on property..... .....

May 9, 1922—NE SUTTER AND Powell E 85-3xN 137-6. Alice and Ethel Hager as to improvements on property.....

May 8, 1922—E FORTY-EIGHTH AV 50 N Ulloa N 50x95. Oscar Heyman & Brother as to improvements on property .....

RELEASE OF BUILDING CONTRACT

SAN FRANCISCO COUNTY

May 10, 1922—E TWENTY-SEVENTH Ave. bet. Balboa and Cabrillo. Ralph F and Natalie E Stallman with John V Stiefel.....May 9, 1922

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
2096	Graines	Porter	1000
2098	Noble	Hudson	4500
2099	Martin	Owner	3000
2101	Hofter	Owner	6500
2102	Govan	Owner	2000
2103	Coulter	Matheyer	4000
2104	Johnson	Hambleton	12250
2105	East Bay Water	Owner	5000
2106	Maas	Owner	2800
2108	Lafon	Owens	4200
2109	Zicks	Calif Bldrs	9000
2111	Grigsby	Marshall	7000
2112	Koerber	McKenzie	57000
2113	U. of C	Sommer	421448
2114	Bolander	Bolander	4000
2115	Dickenson	Christensen	1532
2117	Rodgers	Owner	1000
2118	Roberts	Owen	2000
2119	Hook	Tollfsen	2800
2120	Loan	Jones	1000
2124	Kahn	MacDonald	10600
2125	Irwin	Schwalm	8893
2126	Campbell	Hendrickson	3525
2127	Knott	Knott	1800
2128	Lee	Taylor	4000
2129	Marquis	Owner	11200
2130	Wolbold	Butskey	8000
2131	Bd. of Ed.	Barrett	133000
2132	McBeth	Herriman	1500
2133	Pallen	Owner	3750
2134	Knapp	Furlong	5500
2135	Harvey	Greuner	5000
2136	Smith	Owner	8000
2137	Cleble	Narlin	3000
2138	Erut	Owner	6000
2139	Davis	Andersen	3000
2140	Oakland	Bayliss	1400
2141	Cannestra	Cord	3000
2142	Logwood	Barham	2500
2143	Walsh	Furlong	2800
2144	Kower	Martin	2835
2145	York	Owner	2500
2146	Maybara	Abrahamson	3750
2147	Bellamy	Owner	2400
2148	Hurley	Johnson	2400
2149	Johnson	Hollenbeck	6500
2150	Warner	Owner	4000
2151	Dunning	Owen	2400
2152	Loal	Hill	3000
2153	Cross	Barnes	1600
2154	Chestnut	Marshall	13000
2155	Hansen	Jones	2000
2156	Mitlick	Newman	3187
2157	Bacon	Walton	740
2158	Pond	Murch	12490
2159	Durant	Rigney	1593
2160	Same	Musto	4230
2161	Same	Cobeldick	3590
2162	Same	Lutge	1505
2163	Onley	Texdahl	3000
2164	Dawson	Owner	5000
2165	Stout	Johnson	5000
2166	Hinch	Owner	3000
2167	Held	Hedeen	4960
2168	Lass	Lass	4500
2169	Battrom	Pearson	8650
2170	Guyot	Owner	5000
2171	Hinch	Owner	3000
2172	Bonhaven	Knight	2500
2173	Elliott	Cal	12000
2174	Anderson	Owner	3500
2175	Reeves	Taylor	4000
2176	Lawlor	Rankin	8190
2177	Hook	Tollefsen	2800
2178	Tolmie	Owner	5632
2179	Werner	Owner	2000
2180	Pavert	Owner	11850
2181	Patterson	Patterson	3000
2182	Schnieder	Lucas	13818
2183	Campbell	Owner	3000
2184	Browning	Byson	1000
2185	Morgensen	Owner	4000
2186	Same	Same	4000
2187	Steele	Culbertson	5000
2188	Senran	Owner	7000
2189	City of Oakland	Trow	43038
2190	Payne	Owner	1000
2191	Lamb	Bowers	1500
2192	Marrow	Sommarstrem	7000
2193	Albertson	Albertson	1000
2194	Isaacs	Owner	3750
2195	Same	Same	3750
2196	Same	Same	7500
2197	Renner	Petersen	7500
2198	Masonic	Larsen	124000
2199	Same	Lawton	50242
2200	Same	Lawton	57750
2201	Alameda Bank	Vogt	40000
2202	Bamlage	Owner	4000
2203	Gray	Owner	2000

ADDITION

(2096) NO. 2563 BUENA VISTA WAY. Berkeley. Addition.

Owner—Lyman Graines, Premises.

Architect—None.

Contractor—H. H. Porter, 2616 Cedar St., Berkeley. $1000

GARAGE

ADDITION

(2098) NO. 3151 ETON, Berkeley. Addtion to dwelling.

Owner—Mrs. C. W. Noble, Premises.
Architect—Edw. G. Bolles, 238 Post St., San Francisco.
Contractor—L. G. Hudson, 1771 Evers Ave., Oakland. $4500

DWELLING
(2099) NO. 1506 FAIRVIEW ST., Berkeley. One-story 5-room dwlg.
Owner—J. H. Martin, 1037 Cornell St., Berkeley.
Architect—None.
Day's work. $3000

FLATS
(2101) NO. 2038-40 VINE ST., Berkeley Two-story flats.
Owner—Graff & Hofter, 1240 Milvia St., Berkeley.
Architect—None.
Day's work. $6500

DWELLING
(2102) S E-TWENTY-FOURTH 262 E Nineteenth Ave., Oakland. One-story 4-room dwelling.
Owner—W. L. Govan, 1933 11th Ave., Oakland.
Architect—None.
Day's work. $2000

DWELLING
(2103) E EVERETT 160 S Hampel. Oakland. One-story 6-room dwlg.
Owner—Mrs. L. S. Coulter, 2005 5th Ave., Oakland.
Architect—None.
Contractor — T. B. Matheyer Co., 1369 Hopkins, Oakland. $4000

GARAGE
(2104) SE COR. E-FOURTEENTH & Ninth Ave., Oakland. One-story brick garage.
Owner—O. W. Johnson, 1521 Union St. Oakland.
Architect—None.
Contractor—Fred Hambleton, 3737 13th Ave., Oakland. $12,250

PUMPING STATION
(2105) N E-THIRTY-NINTH opp. 25th Ave., Oakland. One-story concrete pumping station.
Owner—East Bay Water Co., 512 16th St., Oakland.
Architect—None.
Day's work. $6000

DWELLING
(2106) N FOOTHILL BLVD 100 E 61st Ave., Oakland. One-story 5-room dwelling.
Owner—Leo J. Maas, 3032 Tremont St., Oakland.
Architect—None.
Day's work. $2800

DWELLING
(2108) NE FORTY-NINTH & SHATtuck Ave., Oakland. One-story 8-room 2-family dwelling.
Owner—Peter Lafen, 575 56th St., Oakland.
Architect—None.
Contractor—W. W. Owens, 1209 Francisco St., Berkeley. $4200

APARTMENTS
(2109) N FORTY-FIRST 220 E Linden, Oakland. Two-story 12-room dwlg.
Owner—E. W. Zicks, 1534 Franklin St., Oakland.
Architect—None.
Contractor—California Builders, 1531 Franklin St., Oakland. $9000

DWELLING
(2111) NW ROCKWELL & FLORIO, Oakland Two-story 9-room dwlg.
Owner—Mrs. Alvah Perry Grigsby, 5611 Ocean View Drive, Oakland.
Architect—None.
Contractor—J. A. Marshall, 6326 Florio St., Oakland. $7000

STORE
(2112) SW TWENTY-SECOND AND Telegraph Ave., Oakland. One-story brick stores
Owner—Koerber & Bischoff, 2647 Ashby Ave., Berkeley.
Architect—None.
Contractor—K. M. McKenzie, 1025 Anza St., San Francisco $7000

HALL
(2113) UNIVERSITY OF CALIFORNIA Grounds, Berkeley. All work for Le Conte Hall.
Owner—Regents of University of California.
Architect—John Galen Howard, 1st National Bank Bldg., San Francisco.
Contractor—I. M. Sommer, Balboa Bldg. San Francisco.
Filed May 4, '22. Dated Apr. 21, '22.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $421,448
Bond, $210,725. Surety, American Indemnity Co. Limit, 360 days. Forfeit, $100 a day. Plans and specifications filed.

DWELLING
(2114) S E-TWENTY-EIGHTH 200 E 19th Ave., Oakland. One-story 5-room dwelling.
Owner—L. P. Bolander, 1947 E-28th St., Oakland.
Architect—None.
Contractor—L. P. Bolander & Son, 950 Bryant St., San Francisco. $4000

ALTERATIONS
(2115) NO. 2920 E-NINETEENTH ST., Oakland. Alterations and additions
Owner—Mrs. J Dickenson.
Architect—None.
Contractor—N. Christensen, 3014 E-19th St., Oakland. $1532

ALTERATIONS
(2117) NO. 2124 NINETY-NINTH Ave., Oakland. Alterations and additions.
Owner—Tony Rodgers.
Architect—None.
Day's work. $1000

DWELLING
(2118) E SEMINARY AVE 120 S Bromley, Oakland. One-story 4-room dwelling.
Owner — R. Roberts, 5915 E-17th St., Oakland.
Architect—None.
Contractor—J. W. Owen, 523 61st St., Oakland. $2000

DWELLING
(2119) E SEMINARY AVE 45 N E-17th St., Oakland. One-story five-room dwelling.
Owner—B. B. Hook, 1241 Naples St., Oakland.
Architect—None.
Contractor—H. E. Tollfsen, 836 Mead Ave., Oakland. $2800

ALTERATIONS
(2120) NO. 2526 TELEGRAPH AVE., Oakland. Alterations.
Owner—E. Van Loan.
Architect—None.
Contractor — Jones & Hamilton, 562 24th St., Oakland. $1000

STORES
(2124) E SAN PABLO AVE., bet. 19th and 20th, Oakland. One-story brick stores.
Owner—Emil E. Kahn.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—MacDonald & Kahn, 130 Montgomery St., San Francisco. $10,000

DWELLING
(2125) LOT 97 Crocker Highlands, Oakland. All work for two-story frame dwelling and garage.
Owner—Sarah E. Irwin.
Contractor — Schirmer Hughes & Co., Thayer Bldg., Oakland.
Architect — Schirmer Hughes & Co., Chestnut St., Berkeley.
Filed May 6, '22. Dated May 5, '22.
Sheathed ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $8893
Bond, none. Limit, 300 days. Forfeit, none. Plans and specifications filed.

DWELLING
(2126) NO. 1412 GROVE, Berkeley. One-story 5-room dwelling.
Owner—C. Campbell, San Francisco.
Architect—None.
Contractor—A. Hendrickson, 755 60th St., Oakland. $3525

ALTERATIONS
(2127) NO. 2029 HEARST AVE., Berkeley. Alterations.
Owner—Alice L. Knott.
Architect—None.
Contractor—Wm. Knott. $1800

ALTERATIONS
(2128) NO. 3053 HILLEGASS, Berkeley. Alter dwelling into flats.
Owner—Frank O. Lee, Premises
Architect—None.
Contractor—G. Taylor, 1421 Market St., Oakland. $4000

DWELLINGS
(2129) NO. 1416-18-20-24 JOSEPHINE, Berkeley. Four one-story 5-room dwellings.
Owner—P. E. Marquis, 1023 Oxford St., Berkeley.
Architect—None.
Day's work. $2800 each

DWELLING
(2130) NO. 1744-1748 MARIN AVE., Berkeley. Two one-story 5-room dwellings.
Owner—Caroline Wolbold, 4116 Manila Ave., Berkeley.
Architect—None.
Contractor—O. Butskey. $4000 each

GYMNASIUM
(2131) —MILVIA 128 S Bancroft, Berkeley. Gymnasium.
Owner—Board of Education.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $133,000

DWELLING
(2132) NO. 1127 PARKER ST., Berkeley. One-story 3-room dwelling
Owner—C. M. McBeth, 1635 9th St., Berkeley.
Architect—None.
Contractor—Harry Berriman, 1616 Stuart St., Berkeley. $1500

DWELLING
(2133) E SACRAMENTO 100 N Delaware, Berkeley. One-story 6-room dwelling.
Owner—A. H. Pallen, 686 61st St., Okd.
Architect—None.
Day's work. $3750

REPAIRS
(2134) NO. 1059 BELLA VISTA AVE., Oakland. Fire repairs.
Owner—Ralph A. Knap, 1407 23rd Ave., Oakland.
Architect—None.
Contractor — Thos Furlong, 61 Echo Ave., Oakland. $5000

STORES
(2135) W BROADWAY 150 S 25th St., Oakland. One-story tile stores.
Owner—A. S. Harvey, 174 Grand Ave., Oakland.
Architect—None.
Contractor—W. M. Greuner, 174 Grand Ave., Oakland. $5000

APARTMENTS
(2136) E BROOK 300 N Orchard, Oakland. Two-story 12-room tile apartments.
Owner—F. E. Smith, Lakeshore Apts., Oakland.

Architect—None.
Day's work. $8000

DWELLING
(2137) W BROADWAY 100 N Forty-ninth, Oakland. One-story 5-room dwelling.
Owner—C. Cluble.
Architect—None.
Contractor—J. H. Narlin, 922 Union St., Oakland. $3000

DWELLINGS
(2138) S DELMER 120 and 160 W Laguna, Oakland. Two one-story 5-room dwellings.
Owner—J. A. Brut, 732 E-20th St., Oakland.
Architect—None.
Day's work. $3000 each

DYELLING
(2139) S E-THIRTY-SECOND 440 E 14th Ave., Oakland. One-story 5-room dwelling.
Owner—Ada T. Davis, 8506 E-14th St. Oakland.
Architect—None.
Contractor—A. T. Andersen, 9302 Birch St., Oakland. $3000

ALTERATIONS
(2140) SE FOURTEENTH AND Broadway, Oakland. Alterations.
Owner—Oakland Realty Holding Co., Henshaw Bldg., Oakland.
Architect—None.
Contractor—Bayliss & Sheridan, 251 11th St., Oakland. $1400

DWELLING
(2141) S FORTY-FIFTH 300 E Market, Oakland. One-story 5-room dwelling.
Owner—A. Cannestra.
Architect—None.
Contractor—J. A. McCord, 1517 Market St., Oakland. $3000

DWELLING
(2142) S FORTY-FIRST 100 W Market, Oakland. One-story 1-room dwelling.
Owner—Arthur Logwood.
Architect—None.
Contractor—J. L. Barham, 3856 San Pablo Ave., Oakland. $2500

DWELLING
(2143) S FORTY-NINTH ST. 140 W Shafter, Oakland. One-story 6-room dwelling.
Owner—M. J. Walsh, 419 49th St., Oakland.
Architect—None.
Contractor—Thos. T. L. Furlong, 61 Echo Ave., Oakland. $2800

DWELLING
(2144) E HEARNE 310 S Chabot Rd., Oakland. One-story 4-room dwlg.
Owner—Eugene Kower.
Architect—None.
Contractor—J. H. Martin, 1037 Cornell Ave., Albany. $2835

DWELLING
(2145) S HOLWAY 200 E 55th Ave., Oakland. One-story 5-room dwlg.
Owner — J. B. York, 1280 75th Ave., Oakland.
Architect—None.
Day's work. $2500

DWELLING
(2146) W MYRTLE 130 N 18th St., Oakland. One-story 6-room dwlg.
Owner—I. F. Maynard, 1831 Myrtle St., Oakland.
Architect—None.
Contractor—H. R. Abrahamson, 41 Yosemite Ave., Oakland. $3750

DWELLING
(2147) E 105TH AVE 128 S Grafton, Oakland. One-story 5-room dwlg.
Owner—Geo. B. Bellamy, 1236 104th Av., Oakland.
Architect—None.
Day's work. $2400

DWELLING
(2148) E 101ST AVE 200 S Walnut, Oakland. One-story 5-room dwlg.
Owner—T. Hurley, 1621 7th Ave., Okd.
Architect—None.
Contractor—Frank Johnson, 1529 Jackson. Oakland. $2400

DWELLING
(2149) E RICHMOND BLVD. opp Croxton, Oakland. Two-story 7-room dwelling.
Owner—L. H. Johnson, Stockton.
Architect—None.
Contractor—G. B. Hollenbeck, 3084 Richmond Blvd., Oakland. $6500

DWELLING
(2150) NE SPRUCE & CLEVELAND, Oakland. One-story 6-room dwlg.
Owner—S. A. Warner, 1508 41st Ave., Oakland.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Day's work. $4000

ALTERATIONS
(2151) NO. 5201 SHATTUCK AVE., Oakland. Alterations and additions
Owner—Mrs. M. S. Dunning.
Architect—None.
Contractor—W. W. Owen, 1209 Francisco St., Berkeley. $2400

DWELLING
(2152) E THIRTY-SIXTH AVE 140 N E-8th, Oakland. One-story 5-room dwelling.
Owner—E. Toal.
Architect—None.
Contractor—Hill & Walkers, 1600 High St., Oakland. $3000

REPAIRS
(2153) NO. 391 TWENTIETH ST., Oakland. Fire repairs.
Owner—L. E. Cross.
Architect—None.
Contractor—H. W. Barnes, 64 Garland Ave., Oakland. $1600

STORES
(2154) NE TWENTY-THIRD AND Webster, Oakland. One-story tile stores.
Owner—Mary E. Chestnut, 254 Bacon Bldg., Oakland.
Architect—None.
Contractor — Marshall & Burks, 254 Bacon Bldg., Oakland. $13,000

GARAGE
(2155) N WILLIAMS 150 E San Pablo Ave., Oakland. One-story tile garage.
Owner—Henry Hansen.
Architect—None.
Contractor—Jones & Hamilton 444 24th St., Oakland. $2000

APARTMENTS
(2156) E GRAND AVE 252.02 S Montecito Ave. S 73.76x ——, Oakland. Plumbing for three-story apartments.
Owner — W. L. Mitick, 1501 1st Ave., Oakland.
Architect—Leonard H. Thomas.
Contractor—H. G. Newman, 552 16th St., Oakland.
Filed May 8, '22. Dated May 6, '22.
Roughed in $1400.00
Recess tubs installed..... 900.00
Completed and accepted..... 200.00
Usual 35 days..... 787.50
TOTAL COST, $3187.50
Bond, $1700. Sureties, J. F. Shrader and A. Reymann. Limit, 30 days. Forfeit, none. Plans and specifications, none...

ALTERATIONS
(2157) NO. 2624 GROVE ST., Berkeley Alterations and additions.
Owner—Mrs. J. W. Bacon, Premises.
Architect—None.
Contractor—Frank N. Walton, 1210 Masonic Ave., Berkeley.
Filed May 8, '22. Dated May 9, '22.
Payments not given.....
TOTAL COST, $740
Bond, limit, forfeit, plans and specifications, none.

DWELLING
(2158) SW ST. CHARLES ST. AND San Antonio Ave., Alameda. All work for two-story frame dwlg.
Owner—H. S. Pond, 1714 Wood St., Ala
Architect—James T. Narbett, 910 Macdonald Ave., Richmond
Contractor—Walter Murch, Federal Bldg., Oakland.
Filed May 8, '22. Dated May 4, '22.
On 15th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $12,499
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ADMINISTRATION BULDG.
(2159) NE E FOURTEENTH ST and NW Stanley Ave NW 781.80 NE 1032.49, SE 780.90 SW 1031.69. Oakland. Floor and wall tile for 25-ft. base concrete Administration Building.
Owner—Durant Motor Co. of California, through agent, P. J. Walker Co., Monadnock Bldg., San Francisco.
Architect—None.
Contractor—Thos. F. Rigney (Rigney Tile Co.), 2148 Telegraph Ave., Oakland.
Filed May 8, 1922. Dated May 1, 1922.
10th day each month.....75%
Usual 35 days.....25%
TOTAL COST, $1593.00
Bond, $797. Sureties, Fidelity & Deposit Co. Forfeit, none. Limit, 35 days. Plans and specifications filed. (201499)

(2160) MARBLE AND TERRAZO work on above.
Contractor—Joseph Musto Sons-Keenan Co., a corporation, 565 North Point St., San Francisco.
Filed May 8, 1922. Dated May 1, 1922.
Payments same as above.
TOTAL COST, $4230.00
Bond, $2115. Sureties, Fidelity & Deposit Co. Forfeit, none. Limit, 35 days. Plans and specifications filed.

(2161) GLAZING ON ABOVE.
Contractor — Cobbledick-Kible Glass Co., a corp., 301 Washington St., Oakland.
Filed May 8, '22. Dated May 1, '22.
Payments same as above.....
TOTAL COST, $3590
Bond, $1795. Surety Fidelity & Deposit Co. Limit, 30 days. Forfeit none. Plans and specifications filed.

(2162) ORNAMENTAL IRON WORK on above.
Contractor—Richard Luige (Folsom St. Iron Works), 18th and Folsom Sts., San Francisco.
Filed May 8, '22. Dated Apr. 25, '22.
Payments same as above.....
TOTAL COST, $1505
Bond, $753. Surety, Fidelity & Deposit Co. Limit, July 15. Forfeit, none. Plans and specifications filed.

DWELLING
(2163) NO. 1437 ADDISON ST., Berkeley. One-story 5-room dwelling.
Owner—A. S. Olney, 3040 Grove St., Berkeley.
Architect—None.
Contractor—C. Texdahl, 5375 Belgrave Place, Oakland. $3000

DWELLING
(2164) NO. 2136 SUTTER ST., Berkeley. One-story 5-room dwelling
Owner—Mrs. J. Dawson, 2121 Durant Ave., Berkeley.
Architect—None.
Day's work. $5000

DWELLING
(2165) NO. 1810 YOSEMITE ST., Berkeley. Two-story 6-room dwelling
Owner—A. L. Strout, 960 Ordway St., Berkeley.
Architect—None.
Contractor—Louis Johnson & Son, 227 Greenbank Ave., Piedmont. $5000

DWELLING
(2166) W AYALA 100 N Miranda, Oakland. One-story 5-room dwelling.
Owner—Jos. T. Hinch, Federal Bldg., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(2167) S BROCKWOOD ROAD 325 E Strafford Road, Oakland. One-story 6-room dwelling.
Owner—E. Held, 2843 Prince St., Bkly
Architect—None.
Contractor—O. Hedeen, 1639 21st Ave., Oakland. $4900

DWELLING
(2168) SE COLE AND YGNACIO, Oakland. One and one-half-story 6-room dwelling.
Owner—Mrs. Adelaide E. Lass.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Contractor—H. F. Lass, 5118 Bond St., Oakland. $4500

DWELLING
(2169) N INDIAN AVE. bet. Clarendon Crescent and Underhill Road, Oakland. One-story 6-room dwlg.
Owner—Florence Colby Battrom.
Architect—None.
Contractor—Ben Pearson, 2463 Grant St., Berkeley. $8650

DWELLING
(2170) N KENMORE AVE 400 W Lakeshore, Oakland. One-story 6-room dwelling.
Owner—Victor Guyot, 3535 Meadow St., Oakland.
Architect—None.
Day's work. $5000

DWELLING
(2171) N NEVIL 72 W Harrington Oakland. One-story 5-room dwlg.
Owner—Jos. T. Hinch, Federal Bldg., Oakland.
Architect—None.
Day's work. $3500

ALTERATIONS
(2172) SW TWENTY-EIGHTH AND West, Oakland. Alter building and erect garage.
Owner—E. Lonhaven, Premises.
Architect—None.
Contractor—Harry C. Knight, 388 12th St., Oakland. $2500

APARTMENTS
(2173) E PARK BLVD. 618 S Wellington, Oakland. Two-story 16-room apartments.
Owner—Arthur Elliott.
Architect—None.
Contractor — California Builders Co. 1734 Franklin St., Okd. $12,000

DWELLING
(2174) W RANSOME AVE 150 S Lyon Ave., Oakland. One-story 6-room dwelling.
Owner—F. A. Anderson, Box 112 Fruitvale.
Architect—None.
Day's work. $3500

DWELLINGS
(2175) W SEVENTY-SECOND AVE 200 and 250 N Spencer, Oakland. Two one-story 4-room dwellings.
Owner—R. E. Reeves, 904 Broadway Oakland.
Architect—None.
Contractor—W. C. Taylor, 1401 59th Av. Oakland. $2000 each

DWELLING
(2176) LOT 12 BLK 13 Lakeshore Highlands, Oakland. All work for two-story frame dwelling and garage.
Owner—Edward Zaeslor, S. F.
Architect—Schirmer Bugbee & Co., Tonyer Bldg., Oakland.
Contractor—S. G. Rankin, 712 Haddon, Road, Oakland.

Filed May 9, '22. Dated May 5, '22.
Sheathed ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $8190
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

DWELLING
(2177) E SEMINARY AVE being N 16⅔ Lot 5 and S 16⅔ Lot 4 Blk "A" Sanford Tract, Oakland. All work for one-story frame dwelling.
Owner—Beverly B. Hook, 1241 Naples St., San Francisco.
Architect—None.
Contractor—H. C. Tollefsen, 836 Mead Ave., Oakland.
Filed May 9, '22. Dated May 5, '22.
Owner pays bills.....
TOTAL COST, $2800
Bond, none. Limit, 60 days. Forfeit, $10 a day. Plans and specifications filed.

DWELLING
(2178) NO. 700 SCENIC AVE., Piedmont. One and one-half-story 6-room dwelling.
Owner—Robt. Tolmie, 629 Scenic Ave., Piedmont.
Architect—None.
Day's work. $5632

DWELLING
(2179) NO. 1202 ADDISON ST., Berkeley. One-story 5-room dwelling
Owner—Chas. A. Werner, 2416 10th St., Berkeley.
Architect—None.
Day's work. $2000

DWELLINGS
(2180) NO. 2001 BLAKE ST.; 2515 and 2513 Milvia St., Berkeley. Three one-story 6-room dwellings.
Owner—R. J. Pavert, 1st National Bk. Bldg., Berkeley.
Architect—None.
Day's work. $3950 each

DWELLING
(2181) NO. 2138 CALIFORNIA ST., Berkeley. One-story 6-room dwlg.
Owner — Agnes S. Patterson, 1545 Dwight Way, Berkeley.
Architect—None.
Contractor — G. D. Patterson, 1545 Dwight Way, Berkeley. $3000

DWELLING
(2182) NO. 66 HILLCREST, Berkeley Two-story 11-room dwelling.
Owner—E. J. Schnieder, 6426 Regent St., Berkeley.
Architect—Albert Farr, Foxcroft Bldg San Francisco.
Contractor—L. L. Lucas, 555 59th St., Oakland $13,818

DWELLING
(2183) NO. 1532 TACOMA ST., Berkeley. One-story 5-room dwelling.
Owner—D. Campbell, 2121 Oregon St. Berkeley
Architect—None.
Day's work $3000

WAREHOUSE
(2184) NO. 1120 WEST ST., Berkeley Warehouse.
Owner—Browning Prism Co. Premises
Architect—None.
Contractor—Chas. Byson, 1231 Ordway St. Berkeley $100

DWELLING
(2185) SW AYALA AND MIRANDA Oakland. One-story 6-room dwlg.
Owner—Mortgage Bond, 3661 Broadway, Oakland.
Architect—None.
Day's work. $1000

DWELLING
(2186) N SINCLETT 200 W Colby St. Oakland. One-story 5-room dwlg.
Owner—Mortgage Bond, 3661 Broadway, Oakland.
Architect—None.
Day's work. $4000

DWELLING
(2187) E BELGRAVE PLACE 200 N Broadway Terrace, Oakland. One and one-half-story 6-room dwlg.
Owner—Arthur Steele, 623 33d St., Oakland.
Architect—None.
Contractor — D. E. Culbertson, 2573 Grove St., Oakland. $5000

FLATS
(2188) S E-SIXTEENTH 100 Eighth Ave., Oakland. Two-story flats.
Owner—O. Senran, E-12th and 7th Ave., Oakland.
Architect—None.
Day's work. $7000

AUDITORIUM
(2189) N E-SIXTEENTH bet. 22d and 23d Aves., Oakland. One-story school auditorium.
Owner—City of Oakland.
Architect—None.
Contractor—Chas. L. Trow, 835 38th St., Oakland. $43,038

DWELLING
(2190) NO. 1615 FIFTY-FIRST AVE., Oakland. One-story 3-room dwlg.
Owner—L. W. Payne, Premises.
Architect—None.
Day's work. $1000

ALTERATIONS
(2191) NO. 561 FORTY-FIRST ST., Oakland. Alterations and additions
Owner—C. E. Lamb.
Architect—None.
Contractor—F. P. Bowers & Son, 2027 Channing Way, Berkeley. $1500

DWELLINGS
(2192) N FORTY-NINTH 200 and 233 E Shafter Ave., Oakland. Two one story 6-room dwellings.
Owner—Mrs. Geo. P. Marrow, 386 49th St., Oakland.
Architect—None.
Contractor — Axel Sommarstrom, 109 Sunnyside Ave., Piedmont $3500 each

DWELLING
(2193) W JUNO 200 N Nev Ave., Oakland. One-story 4-room dwlg.
Owner — Mrs. J. M. Albertson, 1525 Fairview St., Oakland.
Architect—None.
Contractor—B. H. Albertson. $1000

DWELLING
(2194) NO. 2825 KINGSLAND AVE., Oakland. One-story 5-room dwlg.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLING
(2195) NO. 2824 BEST AVE., Oakland. One-story 5-room dwelling
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland
Architect—None.
Day's work $3750

DWELLINGS
(2196) NO. 2937 and 3007 RAWSON Ave., Oakland. Two one-story 5-room dwellings
Owner—Harry W. Isaacs 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750 each

DWELLING
(2197) NW THIRTY-THIRD AVE. 136 NE Fairman NE 100NW 11a., Oakland. All work for seven-room dwelling.
Owner—Mrs. C. A. Steiner, 3105 Elmwood Av., Oakland.
Architect—None.
Contractor—A. H. Peterson, 2053 38th Ave., Oakland.
Filed May 10, '22. Dated May 4, '22.

Enclosed ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $7500
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

ADDITION
(2198) NEAR DECOTO, Washington Tp. Brick, terra cotta, cast stone, cement, structural steel, lathing and plastering for addition to hospital and two dormitories.
Owner—Masonic Home of Calif.
Architect—Edward G. Bolles and Wm. Mooser, Nevada Bank Bldg., S. F.
Contractor—Harold N. Larsen, Monadnock Bldg., San Francisco.
Filed May 10, '22. Dated Apr. 26, '22.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $174,000
Bond, $87,000. Sureties, C. G. Berg and Niels Larsen. Limit, 214 days. Forfeit, $10. Plans and specifications filed.

(2199) CARPENTRY, MILL, STAIR, roofing and ornamental iron work on above.
Contractor—O. G. Lawton and C. D. Vezey (Lawton & Vezey), Call Bldg., San Francisco.
Filed May 10, '22. Dated Apr. 26, '22.
Payments same as above.....
TOTAL COST, $50,242
Bond, $26,000. Sureties, E. M. Tilden and C. E. Reinhart. Limit, 214 days. Forfeit, $10. Plans and specifications filed.

(2200) EXCAVATION, PLAIN AND reinforced concrete drain tile and waterproofing on above.
Contractor—Lawton & Vezey, Call Bldg. San Francisco.
Filed May 10, '22. Dated Apr. 26, '22.
Payments same as above.....
TOTAL COST, $57,750
Bond, $29,000. Sureties, E. M. Tilden & C. E. Reinhart. Limit, 214 days. Forfeit, $10. Plans and specifications filed.

ADDITION
(2201) PARK ST. AND ALAMEDA Ave., Alameda. Add to bank.
Owner—Alameda Bank.
Architect — Edw. T. Foulkes, Crocker Bldg., San Francisco.
Contractor—A. H. Vogt, 185 Stevenson St., San Francisco. $40,000

DWELLING
(2202) NO. 1845 CATALINA ST., Berkeley. One-story 5-room dwelling
Owner—E. D. Bramlage, 2226 Haste St., Berkeley.
Architect—None.
Day's work. $1000

ALTERATIONS
(2203) NO. 2331 LE CONTE AVE., Berkeley. Alterations.
Owner—Frank M. Gray, Premises.
Architect—None.
Day's work. $2000

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
Lot 14, Blk 14, Lakeshore Highlands, Oakland. R. E. Cotter, by E. D. Flynn, to Chester E. Gossett.....April 20, 1922
May 9, 1922—E Market St 481 S 1st S 200 E 100, Oakland. Pacific Gas and Electric Co. to Tibbitts Pacific Co.....May 4, 1922
May 9, 1922—Lots 1 and 2 Blk B, Blake Tract No. 1, Berkeley. The **Boardman Estate, Blanche L.** Porter, by James W. Plachek, to Barrett & Hilp.....May 4, 1922
May 8, 1922—SE THIRTY-NINTH & West S 40.31xE 100, Okd. Walter Larkin by M G Kendall to California Builders Co.....May 6, 1922
May 6, 1922—SE ½ LOT 139 and NW ½ Lot 140 Map Fourth Avenue Terrace Extension, Okd. Emilly Lynch to Ellery & Foott. Mar 25, 1922
May 6, 1922—LOT 36x106 on W Rosedale Ave 200 S Foothill Blvd., Okd Chas Wiren to whom it may concern.....May 5, 1922
May 6, 1922—NO. 1274 SEMINARY Ave, Oakland. Owen Hand to E R Blabon.....April 29, 1922
May 6, 1922—PTN LOT 2 BLK C, Map Elmwood Park, Berkeley. Cora A Henkle to G A Scott.....May 5, 1922
May 6, 1922—SW 10 LOT 38 and NE 40 Lot 37 Blk 7, Map Boulevard Park, Oakland. Erna Helms to whom it may concern....May 5, 1922
May 5, 1922—NW AUSEON AVE AND W Plymouth NW 102.5xSW 45, Oakland. C E Bonnell to C M MacGregor.....May 1, 1922
May 5, 1922—N 45 LOT 6 BLK 20, Map No. 5, Shattuck Tract, Berkeley. Edward Schwerin to Solomon Morris.....May 4, 1922
May 5, 1922—SE ASHBY AVE AND Fulton E 100xS 33.89, Berkeley. William P and Johanna Jacoby to L M Lyon.....April 22, 1922
May 5, 1922—COMMISSARY BLDG, West Oakland, Oakland. Southern Pacific Co to Automatic Refrigerating Co.....April 28, 1922
May 5, 1922—SW E-37th and SE 4th Ave SW 40xSE 101.5, Oakland. A S Hediger by Leroy M Baird to Leroy M Baird.....April 26, 1922

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
May 8, 1922—SW WILLOW 188.07 W Laurel Ave S 300xE 36.30, Eden Tp. WA Young vs Joseph J Bernards $130
May 5, 1922—E SIXTY-FIFTH AVE 145.32 N Trenor N 25xE 105, Oakland. Edward North vs John F and Florence Gilbert.....$21.65

Notice of Non-Responsibility

ALAMEDA COUNTY

May 5, 1922—NE 12½ LOT 24, all Lot 25 and SW 2½ Lot 26 Blk 11, Map Key Route Heights, Oakland. Alameda Investment Co as to improvements on property .....
May 5, 1922—LOTS 94 and 95 BLK 6, Map Key Route Heights, Oakland. Alameda Investment Co as to improvements on property.....
May 5, 1922—SW 12½ LOT 25, all Lot 26 Blk 13, Map Key Route Heights, Oakland. Alameda Investment Co as to improvements on property...
May 5, 1922—NE REDDING 137.5 NW 38th Ave NW 30 NE to right-of-way of San Jose Short Line, Oakland. Alameda Investment Co as to improvements on property.....
May 5, 1922—LOT 42 and SW 15 Lot 43 Blk 9, Map Key Route Heights, Oakland. Alameda Investment Co as to improvements on property..
May 5, 1922—SE 22½ Lot 20, NW 12½ Lot 21 Blk 10, Key Route Heights, Oakland. Alameda Investment Co as to improvements on property .....

HOMESTEADS

ALAMEDA COUNTY

May 6, 1922—NE E-FIFTEENTH & SE 21st Ave SE 50xNE 80. Amanda C Locks (wf Eugene R).....$5000
May 5, 1922—NW EIGHTY-NINTH Ave and NE Plymouth NE 42.50x NW 120, Oakland. O H Brous. $3000

BUILDING CONTRACTS

SANTA CLARA COUNTY.

$1000 and Over Reported

COTTAGE
PALO ALTO. All work for one-story frame cottage and garage.
Owner—Dr E. C. Clendenin, 451 University Ave., Palo Alto.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—H. A. Spreen, Sunnyvale.
Filed May 8, '22. Dated Apr. 18, '22.
Frame erected, roof framed..$1780.25
1st coat plaster on..... 1780.25
Cottage & garage completed 1780.25
Usual 35 days..... 1780.25
TOTAL COST, $7121.00
Bond, $3700. Sureties, Mrs. H. A. Spreen and L. R. Lind. Limit, 90 working days from May 8. Forfeit, none. Plans and specifications filed.

BUNGALOW
HESTER PARK, San Jose. All work except plumbing and painting for one-story seven-room bungalow and garage.
Owner—Edwin Koch, 132 W-Santa Clara St., San Jose.
Architect—None.
Contractor—C. Rasmussen, 316 E-St. James St., San Jose.
Filed May 6, '22. Dated May 3, '22.
Building enclosed ..... ¼
Brown mortar on..... ¼
Building completed ..... ¼
Usual 35 days..... ¼
TOTAL COST, $4925
Bond, none. Limit, 90 days from May specifications filed.

RESIDENCE
PALO ALTO. All work for two-story and basement frame residence.
Owner—May E. Tamplin and J. W. Tamplin, 659 Middlefield, Palo Alto
Architect — Charles E. Gottschalk, Phelan Bldg., San Francisco.
Contractor—Jean Bart Balcomb, 220 Emerson St., Palo Alto.
Filed May 5, '22. Dated May 4, '22.
Foundation and building proper completed .....$ 750
Frame up, wall and roof sheathing on 2500
Plastering and roofing work done 3000
Carpentry & mill work done... 3000
Upon completion 4625
Usual 35 days..... 4575
TOTAL COST, $18,450
Bond, none. Limit, 130 working days from May 4, 1922. Forfeit, none. Plans and specifications filed.

RESIDENCE
W SEVENTEENTH ST., between San Fernando and San Antonio Sts., San Jose. All work for one-story frame residence.
Owner—B. P. Merchant, 24 Lupton Ave., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—A. H. Petrie and W. O. Furtwangler, 198 22nd St., San Jose
Filed May 8, '22. Dated May 2, '22.
Frame up **$1200**
1st coat plaster on..... 1200
Completed and accepted..... 1200
Usual 35 days..... 1200
TOTAL COST, $4880
Bond, $2440. Sureties, Al Hubbard & Charles Payne. Limit, 90 working days from May 2, 1922. Forfeit, none. Plans and specifications filed.

RESIDENCE
TWO MILES W OF LOS ALTOS, on what is known as the Boyd Ranch, Santa Clara County. All work for one and one-half-story frame residence.
Owner—W. W. Erskine & Caro Erskine, Monadnock Bldg., San Francisco.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.

Contractor—J. C. Thorp, Auzerais Bldg San Jose.
Filed May 5, '22. Dated Apr. 24, '22.
Frame up $1464.75
1st coat plaster on..... 1464.75
Completed and accepted..... 1464.75
Usual 35 days..... 1464.75
TOTAL COST, $5859.00
Bond, $2929.50. Sureties, C. L. Snyder and Theo F. Heple. Limit, 90 working days from April 24, 1922. Forfeit, none. Plans and specifications filed.

ALTERATIONS, $1770; Tenth and St. John Sts., San Jose; owner, Ralph De Lear, 447 E-St. John St., San Jose; contractor, E. L. Slaght, 1125 S-6th St., San Jose.

COTTAGE, 5-room, $3750; Eighth and Martha Sts.; owner, Prof. Bruch; contractor, A. J. Bowen, 68 Fuller St. San Jose.

APARTMENT HOUSE, 2-story, $13,000; No. 430 S. Fifth St., San Jose; owner, C. C. Lewis, 329 S. Fifth St., San Jose; architect, same; contractor, Lewis & Nelson, 329 S. Fifth St., San Jose.

REFRIGERATING PLANT, $23,000; No. 350 N. First St., San Jose; owner, Security Cold Storage Co.; contractor, Frank Hoyt, 343 Reed St., San Jose.

COTTAGE, 5 rooms, $2400; Grant St., near Locust St., San Jose; owner, Michael D. Miller.

ALTER FRONT, $1000; No. 44 W. San Fernando St., San Jose; owner, Fred Doerr, 499 S. Fifth St., San Jose; contractor, G. M. Latta, 25 Rhodes Court, San Jose.

COTTAGE, 4 rooms, $1000; 14th and Vestal Sts., San Jose; owner, V. Genestra;

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
May 10, 1922—SAN JOSE. A W Kellner to Clyde Alexander.....March 22, 1922
May 10, 1922—SAN JOSE. Edwin A Brown Jr to whom it may concern.....May 9, 1922
May 10, 1922—SAN JOSE. John R Byer to whom it may concern.....May 4, 1922
May 4, 1922—NEAR CAMPBELL. Samuel D Wood to whom it may concern.....May 3, 1922
May 5, 1922—MOUNTAIN VIEW. Lulu E Voris to whom it may concern.....May 4, 1922
May 5, 1922—SAN JOSE. A W Lannin to T J Lannin.....April 15, 1922
May 8, 1922—SAN JOSE. Jerome Garcia to whom it may concern.....May 5, 1922
May 8, 1922—SAN JOSE. George W Dobson and Verna M Dobson to whom it may concern....May 8, 1922

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
May 3, 1922—ROSE LAWN, San Jose. A W Wheaton vs E G Finlay, Joseph Felch or Joseph Flech.....$31.67

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded Amount
May 2, 1922—EAST SAN JOSE. S H Chase Lumber Co to Mary E Akers $130.82

BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 and Over Reported

BUILDING
W ½ LOT 3, L. J. 28th and 29th Sts, Sacramento, Building.
Owner, George M. Crocker and Maud C. (ux), 2818 I St., Sacramento.
Architect—None.
Contractor—J. W. Brown. $7340
Filed May 4, 1922. Dated Apr. 5 1922.

DWELLING
NO. 421 TWENTY-FIRST ST., Sacramento. One-story 5-room dwelling and garage.
Owner—A. F. Jones, 619 H St., Sacto.
Architect—None.
Contractor—Greer & Harrigan, 708 I St., Sacramento. $2900

DWELLING
NO. 2300 E ST., Sacramento. One-story 5-room dwelling and garage.
Owner—Mrs. Emma Tupp, 803 M St., Sacramento.
Architect—None.
Contractor—Greer & Harrington, 708 I St., Sacramento. $1250

DWELLING
NO. 725 THIRTY-SEVENTH ST., Sacramento. One-story 5-room dwelling and garage.
Owner—Anna E. Williams, 4212 San Benito Way, Sacramento.
Architect—None.
Day's work. $2950

DWELLING
NO. 1525 SANTA YNEZ WAY, Sacramento. One-story 5-room dwelling and garage.
Owner—G. B. Forrest, 1317 P St., Sacramento.
Architect—None.
Contractor—B. H. Bill, 3252 Marshall St., Sacramento. $2400

DWELLING
NO. 2304 E ST., Sacramento One-story 5-room dwelling.
Owner—Greer & Harrigan, 708 I St. Sacramento.
Architect—None.
Day's work. $2900

DWELLING
NO. 2523 FIRST AVE., Sacramento. One-story 5-room dwelling and garage.
Owner—W. M. Wise, 2547 First Ave., Sacramento.
Architect—None.
Contractor—M. F. Terra, 2515 9th St., Sacramento. $2500

DWELLING
NO. 1017 V ST., Sacramento. One story 5-room dwelling and garage.
Owner—Mrs. Emma A King, 2131 10th St., Sacramento.
Architect—None.
Contractor—T. B. Hunt, 2926 S St., Sacramento. $3500

ALTERATIONS
NO. 1630 Q ST., Sacramento. General remodeling.
Owner—J. C. Gotthold, 1714 17th St Sacramento.
Architect—None.
Contractor—C. Vanina, 2022 M St., Sacramento $1993

ADDITION
NORTH SACRAMENTO SCHOOL DISTRICT, Sacramento All work for additions and alterations to Haggingwood and North Sacramento school buildings
Owner—North Sacramento School District, Sacramento.
Architect—E. C. Hemmings, Gessner Bldg., Sacramento.
Contractor—Herndon & Finnegan, 1811 17th St., Sacramento.
TOTAL COST, $56,900
Bond limit, forfeit, plans and specifications, none

DWELLING AND GARAGE, one-story 8-room $2800, No. 3140 Second Ave., Sacramento, owner, E. R. Daley, 2711 33rd St., Sacramento, contractor, Geo. Ormsbee, 3201 Donner Way, Sacramento.

DWELLING, one-story 5-room; $3250; 2521 27th St., Sacramento; owner, W. E. Howland, 2510 27th St., Sacramento; contractor, R. M. Smith, 1228 K St., Sacramento.

DWELLING, one-story 5-room, $3250; No. 2700 U St., Sacramento; owner, R. Trengove, 825 14th St., Sacramento; contractor, R. M. Smith, 1228 K St., Sacramento.

DWELLING, one-story 5-room, $3250; No. 2017 Larkin Way, Sacramento; owner, Wm. Hahn, 805 N St., Sacramento; contractor, R. M. Smith, 1228 K St., Sacramento.

FLATS, ETC., two-story (2) flats 5-rooms each and woodshed, $5000; No. 3119 Fifth Ave., Sacramento; owner, G. Frawley, 27 U and V Sts., Sacramento; contractor, H. A. Hendorn, Fair Oaks, Calif.

DWELLING, one-story 5-room, $4000; No. 608 45th St., Sacramento; owner, F. M. Cooper, 605 45th St., Sacramento; contractor, E. D. Brier, 817 J St., Sacramento.

FLATS, two-story (4) 4-rooms each and garage, $12,000; No. 517 21st St., Sacramento; owner, Otto L. Ely, 1411 O St., Sacramento, contractor, E. D Brier, 817 J St., Sacramento.

DWELLING, one-story 5-room and garage, $2700; No. 1409 W St., Sacramento; owner, F. L. Terra, 1704 W St., Sacramento; day's work.

DWELLING, one-story 5-room, $3750; No. 1420 21st St., Sacramento; owner, Will F. Schmidt, 813 J St., Sacramento; contractor, E. D. Brier, 817 J St., Sacramento.

DWELLING, two-story 8-room and garage, $10,000; No. 1355 44th St., Sacramento; owner, Andrew H. Wills, 1614 19th St., Sacramento; contractor, E. D. Brier, 817 J St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
May 6, 1922—SACRAMENTO SHOP Grounds, Sacramento. Southern Pacific Co to whom it may concern .....May 5, 1922

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
May 2, 1922—LOT 141 Curtis Oaks Sub, Sacramento. J H Cummins vs WD Thomas and Carolyn (ux)... .....$117.50

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

$2,500 and Over Reported

OFFICE BLDG
E-MARKET ST., Stockton. Office and retail building.
Owner—A J Turner, 629 E-Market St., Stockton.
Architect & Contractor—Davis-Heller-Pearce Co., Delta Bldg., Stockton $12,000

GARAGE
N CALIFORNIA ST., Stockton Public garage
Owner—Dr E. A McCan, 218 Elks Bldg., Stockton
Architect & Contractor—Davis-Heller-Pearce Co., Delta Bldg., Stockton $27,000

RESIDENCE
W-MAGNOLIA ST., Stockton. Residence and garage
Owner—R. W. Moshrt, Stockton
Architect—None
Day's work $3280

BATTERY STATION
N-SAN JOAQUIN ST., Stockton. Building for battery service station.
Owner—J. E. Clifford, 248 N-San Joaquin St., Stockton.
Architect—None.
Day's work. $2500

BUILDING
LOT 2 BLK 14, Yosemite Terrace, Stockton. All work for building.
Owner—Gordon A. Stewart, 17 E-Ash St., Stockton.
Architect—None.
Contractor—F. Ray Shutes and Fay R. Zinck, 27 E-Maple St., Stockton.
Filed May 3, '22. Dated Apr. 25, '22.
TOTAL COST, $9685
Bond, none. Limit, 80 working days from April 25, 1922. Forfeit, plans and specifications, none.

BUILDING
NE ¼ OF SEC. 22, Stockton. All work for building.
Owner—J. Edgar Lynch, 130 E-Maple St., Stockton.
Architect—None.
Contractor—T. E. Williamson, 1229 N-Pilgrim St., Stockton.
Filed May 6, '22. Dated May 5, '22.
TOTAL COST, $6650
Bond, none. Limit, 55 working days. Forfeit, plans and specifications, none.

STORE BLDG., $2500; S-California St., Stockton; owner, B. H. Foley, 529 E-Sonora St., Stockton; day's work.
RESIDENCE, $18,000; N-Hunter St., Stockton; owner, A. M. Noble, 11 N-Hunter St., Stockton; day's work
RESIDENCE AND GARAGE, $4250; W Magnolia Street., Stockton; owner, Carl F. Anderson, 105 W-Rose St., Stockton; day's work.
DWELLING, $2600; E Acacia St. Stockton; owner, Chas. Garfield (A. R. Conners), 212 N-California St., Stockton; day's work.
RESIDENCE AND GARAGE, $4100; W Cleveland St., Stockton; owner, Elmore S. Ernst, Stockton; day's work.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
May 2, 1922—LOTS 10, 12 & 14 BLK 5, Villa Addition, Stockton. Otto von Detten to W S Hickman.....April 25, 1922

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
May 4, 1922—S 11½ FT. LOT 15 and all Lot 16, Blk 48, E-Center St., Stockton. B M Edison vs Mrs. Bee Hoult and Davis Hoult.....$20
May 1, 1922—PARCEL OF LAND IN SE ¼ of NE ¼ of Sec 32 T 1 S., R 7, E, containing 8.3 acres, Stockton. Home Lumber Co vs Joseph Davis, Manuel Martin and J J Burgess.....$355.50

BUILDING CONTRACTS

FRESNO COUNTY

$5,000 and Over Reported

BUNGALOW
LOTS 23 AND 24 BLK. 222, Fresno. All work for five-room bungalow.
Architect—None.
Owner—August Horg, 113 G St., Fresno
Contractor—W. C. Morser.
Filed May 3, '22. Dated May 4, '22.
Frame up $650
Roof on, wiring & rough plumbing in 650
Completed and accepted..... 650
Usual 35 days..... 650
TOTAL COST, $2600
Bond, none. Limit, 75 working days. Forfeit, $1. Plans and specifications, none.

BUNGALOW
LOT 57 Bullard North Fresno Addition, Fresno. All work for 5-room bungalow and garage.
Owner—Roy C. Smith, — Valentine St., Fresno.
Architect—None.
Contractor—W. C. Morser.
Filed May 4, '22. Dated May 3, '22.
Frame up $735
Roof on, wiring and rough plumbing in 735
Completed and accepted..... 735
Usual 35 days..... 735
TOTAL COST, $2940
Bond, none. Limit, 75 working days. Forfeit, $1. Plans and specifications, none.

DWELLING
NO. 732 WELDON ST., Fresno. Dwlg.
Owner—C. L. Saylor, 3734 Illinois St., Fresno.
Architect—None.
Day's work. $5000

ADDITION
NO. 837 BROADWAY, Fresno. Addition to store.
Owner—H. C. McKay, 1495 N-Van Ness Ave., Fresno.
Architect—None.
Contractor—A. Allen, 259 Blackstone St., Fresno. $7000

FLATS, ETC.
NO. 1520 N- VAN NESS AVE., being Lot 10 Blk 9, North Park Terrace, Fresno. All work for four flat building and garage.
Owner—Fred Stevenson.
Architect—Schwartz & Ryland, Rowell Bldg., Fresno.
Contractor—Martin Constr. Co., 1909 Fresno St., Fresno.
Filed —, '22. Dated —, '22.
On 15th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $15,970
Bond, $8000. Surety, National Surety Co. of Ney York. Limit, 90 working days from May 2, 1922. Forfeit, $5. Plans and specifications filed.

APARTMENT HOUSE, $53,000; No. 1105 1113 Divisadero St., Fresno; owner, Addelide Wallace, Fresno; contractor, M. C. R. Nelsen, 4055 Platt St., Fresno.
ADD TO DWELLLING, $1985; No. 1633 M St., Fresno; owner, Walter Shoemaker, 1547 Van Ness Ave., Fresno; day's work.
DWELLING, $1750; No. 3557 Madison Ave., Fresno; owner, A. Bottero; day's work.
DWELLING, $7200; No. 3161 Huntington Blvd., Fresno; owner, J. W. Kennard, 1026 Wilson St., Fresno; contractor, Yarnell & Garges, 1014 S-4th St., Fresno.

DWELLING, $6000; No. 632 Echo St., Fresno; owner, C. W. Wilkinson Peach Ave., Fresno; day's work.

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ROSS E. PIERCE, Manager
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FACTORY, $34,616; No. 1830-36 H St., Fresno; owner, J. B. Hill Co., 1648 H St., Fresno; contractor, Robt. Trost, 26th and Howard Sts., San Francisco.

COMPLETION NOTICES

FRESNO COUNTY.

Recorded Accepted
May 5, 1922—SEC. 36, 20-14, Fresno. Associated Oil Co to whom it may concern.....April 25, 1922
May 5, 1922—LOT 5 BLK 10, North Park Terrace, Fresno. S E and Josephmine Hickman to whom it may concern.....May 3, 1922
May 6, 1922—LOTS 1, 2 AND 3 BLK 57, Orange Cove, Fresno. F M Sheridan to whom it may concern .....April 29, 1922
May 6, 1922—LOTS 1 AND 2 BLK 2, Hills Addition, Fresno. A Aghijanian to whom it may concern.....May 6, 1922
May 6, 1922—S 2 FEET OF LOT 12, Lot 13 and N 14 ft. Lot 14 Blk 4, North Park Terrace, Fresno. H T Humphreys to C W Lowvle.....May 5, 1922
May 6, 1922—LOT 13 BLK 29, Alta Vista Tract, Fresno. E Ahlberg to whom it may concern....May 6, 1922
May 6, 1922—LOT 1 BLK 7½ Hazelwood, Fresno. Elmer R Morris to whom it may concern....May 3, 1922
May 8, 1922—S 16 FT. LOTS 14 AND 15 Blk 4, North Park Terrace, Fresno. H T Humphreys to whom it may concern.....May 6, 1922
May 9, 1922—PTN LOT 2 BLK 6, Hazelwood, Fresno. James C Morris to whom it may concern.....May 1, 1922
May 9, 1922—LOTS 21 TO 24 S 15 ft. Lot 25 Blk 2, Altamont Addition, Fresno. F M Pennington to whom it may concern.....May 6, 1922
May 9, 1922—W 45 FT. OF N 70 FT. Lot 15, Fresno Heights Homestead Tract, Fresno. Bert Garwood to whom it may concern..May 6 1922
May 9, 1922—ICE PLANT AT Calwa, Fresno Co. Pacific Fruit Express Co to whom it may concern.....April 28, 1922
May 3, 1922—LOTS 23 AND 24 BLK 12 Belmont Addition, Fresno. Frank Story to whom it may concern.....May 2, 1922
May 4, 1922—LOTS 17 AND 18 BLK 64, K. B. Heights, Fresno. Laurie Horner to whom it may concern.....April 26, 1922
May 4, 1922—PTN LOTS 8 AND 11, all Lots 9 and 10 Blk 4, North Park Terrace, Fresno. S W Ottinger and G E Veale.....May 3, 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount
May 6, 1922—N 498.3 FT. LOT 33, Easterby Rancho, Fresno. O F and C L Foin vs John C and Mary E Doze $185
May 6, 1922—N 498.3 LOT 33, Easterby Rancho, Fresno. Bingham-Wenks Planing Mill vs John C and Mary E Doze.....$347

BUILDING CONTRACTS

SAN MATEO COUNTY

RESIDENCE
LOT 34 BLK 9, Burlingame Addition No. 2, City of Burlingame. All work for one and one-half-story frame residence and garage.
Owner—J. R. McKenney, Burlingame.
Architect—None.
Contractor—Oscar & Frank Cavanagh (as Cavanagh Bros.), Burlingame.
Filed May 3, '22. Dated May 2, '22.

Roofed $1571.50
Plastered 1571.50
Completed 1571.50
Usual 35 days..... 1571.50
TOTAL COST, $6286.00
Bond, none. Limit, 60 working days. Forfeit, none. Plans and specifications filed.

MACHINE SHOP
SAN BRUNO AVE., Colma. All work except electrical and plumbing for one-story reinforced concrete machine shop.
Owner—M. Massaglia, Colma.
Architect—E. A. Hermann, 89 Broadway, San Francisco.
Contractor—B. Miano & Son, (Copartners), Daly City.
Filed May 8, '22. Dated May 2 '22.
Foundation walls up.....$1978
Exterior walls up..... 1978
Roof completed, etc..... 1978
Completed 1978
Usual 35 days..... 2628
TOTAL COST, $10,550
Bond, $5275. Sureties, Louis Gregoria and G. Rauschan. Limit, 90 working days. Forfeit none. Plans and specifications filed.

VAULT
SAN FRANCISCO AVE. Lot X Y Blk 45, Italian Cemetery. All work for vault.
Owner—Eva Parascandolo, S. F.
Architect—Charles Fantoni, 550 Montgomery St., San Francisco.
Contractor—V. Lagomarsino, 2941 Mission St., San Francisco.
Filed May 10, '22. Dated May 5, '22.
Completed $877
Usual 35 days..... 288
TOTAL COST, $1165
Bond, none. Limit, 90 calender days. Forfeit, $2. Plans and specifications filed.

WELLS
NEAR COLMA. All work for drilling one or more wells.
Owner—The Lake Merced Golf and Country Club.
Consulting Engineers, Hunter & Hudson, Rialto Bldg., San Francisco.
Contractor—J. B. Rogers, 110 Sutter St., San Francisco.
Filed May 10, '22. Dated May 2, '22
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, 1 well 225 feet deep, $3100; if 2 wells, 225 ft. deep, $3000 each.
Bond, none. Limit, 105 days. Forfeit, none. Specifications only filed.

ALL WORK FOR COMPLETE SYSTEM water piping on above.
Contractor—Schultz Constr. Co., 46 Kearny St., San Francisco.
Filed May 10, '22. Dated May 2, '22.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST—Hydrants, valves, etc., $2370; excavating, back filling, etc., $2185; wood pipe installed, 2" 40c per lin ft, 3" 52c per lin ft, 4" 65c per lin. ft, 6" 88c per lin. ft.; 8" $1.20 per lin. ft., 8" cast iron, $1.70.
Bond, none. Limit 70 working days. Forfeit, plans and specifications, none.

ALL WORK FOR STEEL WATER towers and tank, 100,000 gallon capacity, 80 ft. high, on above.
Contractor—The Pittsburgh Des Moines Steel Co., Pittsburgh, Penn.
Filed May 10, '22. Dated May 4, '22
Upon delivery of all materials. 60%
Erection started 15%
Usual 35 days 25%
TOTAL COST, $5935
Bond, limit, forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
May 5, 1922—LOT 22, Alcorn Tract. E T Pennock to whom it may concern.....May 4, 1922
May 10, 1922—LOT 17 BLK 24, Easton Addition No. 2, Burlingame. L M Hobbs to M C Leoud & Hobbs.....April 29, 1922
May 10, 1922—LOT 17 and W ½ Lot 18, Blk 2, Metropolis Homestead Tract near Colma. Metropolis Homestead Co to John F Leslie.....April 29, 1922
May 8, 1922—LOTS 6 AND 7 BLK 2, Glenwood Park, Burlingame. Charlotte C Bullock, Trustee for Maria V and Marcus H Kast to whom it may concern.....May 1, 1922
Brand vs A A Muhs.....$102.05

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
May 9, 1922—LOTS 12 AND 18 BLK 45, Lyon & Hoag Sbdvn, Burlingame. William Butcher Jr. $37; James Mullen, $75 vs August and Julie Belfrage and F E Gould...
May 3, 1922—LOT 4 BLY 1, Robinson's Sbdvn, Redwood City. F E

State Corporation Department

STEIGER CLAY PRODUCTS COMPANY, Vallejo, is permitted to sell 6000 shares of its preferred and 6000 shares of its common capital stock in units of one share of preferred and one share of common at $10 per unit. It also is permitted to issue 10,000 shares to L. A. Steiger in exchange for certain contract. These shares are to be deposited and held as an escrow. The company must obtain subscriptions for 1500 units on or before September 21, 1922, and have on deposit the sum of $13,500. No individual may purchase more than $500 worth of this stock. The sale of the shares is to net the company not less than 85%.

SEQUOIA LUMBER AND VENEER CO., San Francisco, organized for the purpose of taking over the property and assets of a co-partnership conducted by Edward F. White, Sam E. Tyrell, John R. Tyrell and Stokely Wilson, is permitted to sell 1589 shares of its capital stock to Edward F. White, Sam E. Tyrell, John R. Tyrell and Stokely Wilson, in exchange for certain property and assets. The company also is permitted to sell 2500 shares at par $10 for cash.

THE BURLINGAME BUILDING CO., INC., of Burlingame, has authority to sell certain shares of its capital stock to certain persons at par $100 for cash. It also is authorized to issue 2 shares to John F. Davis for services rendered.

W. O. W. BUILDING ASSOCIATION OF CHICO, which was organized for the purpose of securing a site in Chico and constructing thereon a building to be used by the Woodmen of the World as a meeting hall, is permitted to sell seven shares to its incorporators in exchange for cash heretofore advanced. It also is permitted to sell 3993 shares at par $25.00 for cash.

SOUTHWESTERN PLUMBING AND HEATING COMPANY, Los Angeles, is permitted to sell one share of its capital stock to each of its three incorporators at par for cash. It also is permitted to issue to C. A. Barnes and J. Howard Vories 60 shares each of its capital stock in consideration of the transfer of certain property and assets. Thereafter the company is authorized to sell 377 shares at par $100 for cash. The total commission on the sales of the shares is not to exceed 20 per cent. The shares issued for property are to be deposited and held as an escrow.

WELLS FARGO BUILDING CORPORATION, San Francisco, is authorized to sell one share of its capital stock to each of its five incorporators at par $100 for cash.

OAKLAND BUILDING & MORTGAGE COMPANY auhorized to sell 25,000 of its preferred capital stock at par $1, for cash, in order to raise funds for the construction of a building. The company must sell these shares on or before October 1, 1922.

ALHAMBRA HARDWARE CO., Alhambra, is permitted to sell to its present stockholders an aggregate of not to exceed to any or all of them of 85 shares at par $1, for cash.

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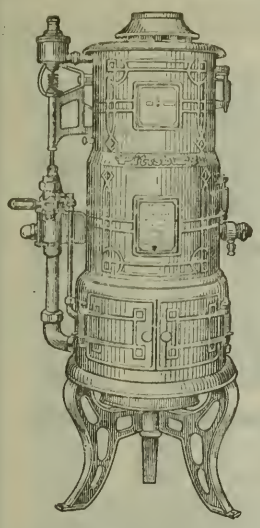

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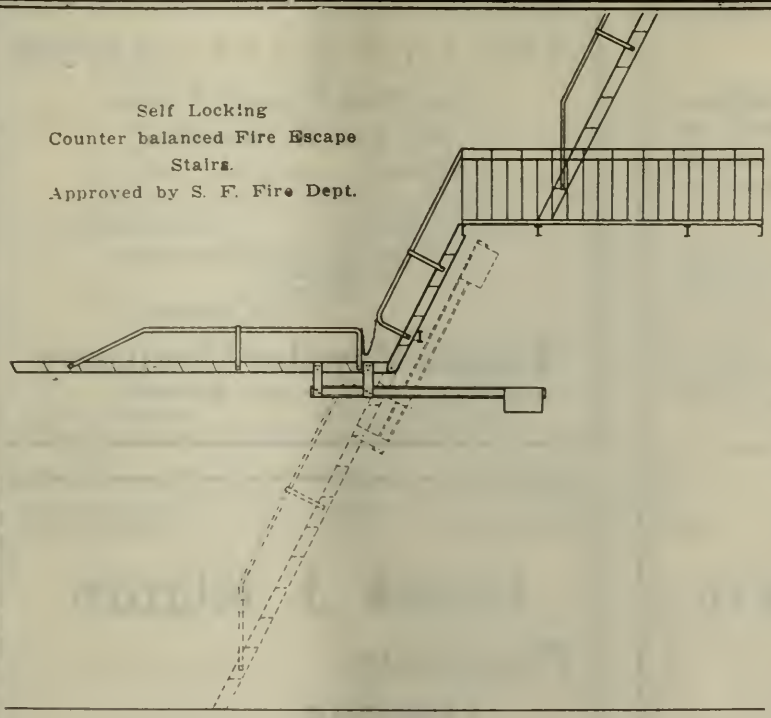

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SAN FRANCISCO, CALIF., MAY 20, 1922

Published Every Saturday
Twenty-second Year No. 20

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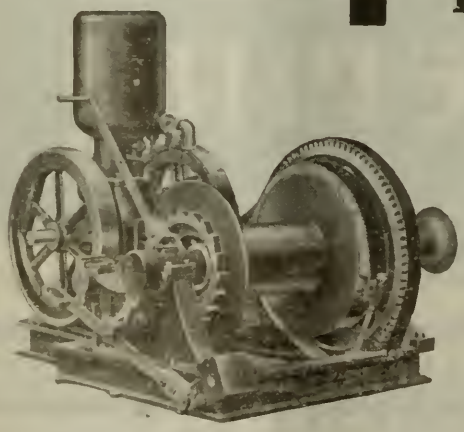

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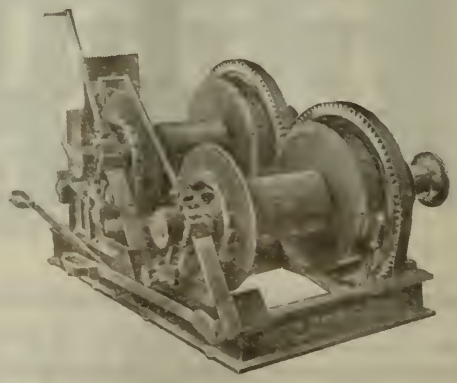

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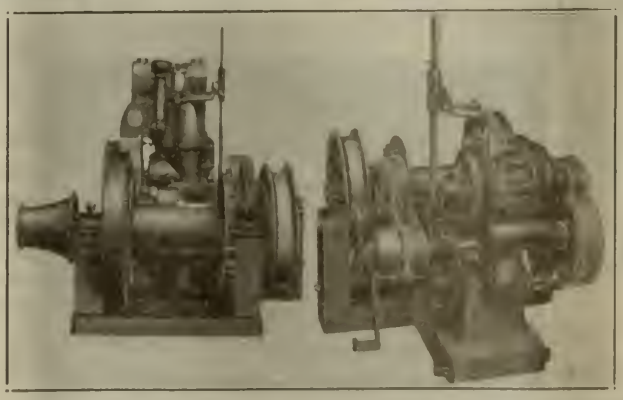

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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AMERICAN LEGION PROTESTS SELECTION OF STOCKTON AUDITORIUM ARCHITECTS

Karl Ross Post of the American Legion, Stockton, Calif., has passed a resolution "deploring and denouncing the lack of patriotic gratitude evidenced by Stockton City Council in selecting the six architects for the Memorial Auditorium, not one of whom is an ex-service man," and in verbal statements many members strongly favored competition through which a plan for the structure could be selected and architects appointed.

Following is the resolution, unanimously adopted:

Whereas, the people of Stockton have voted $600,000 to build an auditorium as a Memorial to those who paid the supreme sacrifice in the great war; and,

Whereas, out of the fourteen architectural firms in Stockton five have ex-service members; and,

Whereas, the mayor of the city of Stockton, at a regular and open meeting of Karl Ross Post, American Legion, held April 27, stated that an ex-service man would be considered by the council in the selection of an architect; and,

Whereas, the city council without securing competitive plans, has selected six architects to design the memorial, not one of whom is an ex-service man; and,

Whereas, the act of the council in so discriminating against ex-service men in the selection of the memorial architects is in defiance and disregard of the recommendations of the American Legion, and contrary to the declaration of the mayor of Stockton at the meeting of the post; therefore be it

Resolved, by Karl Ross Post No. 16, American Legion, that it deplores and denounces the lack of patriotic gratitude evidenced by the city council in selecting the six architects for the Memorial Auditorium, not one of whom is an ex-service man.

MASTER PLUMBERS TO CONVENE AT SACRAMENTO

The twenty-first State Convention of Master Plumbers will be held in Sacramento commencing Monday, May 22, and ending Thursday, May 25.

The program covering the four-day session follows:

Monday, May 22

10 a.m.—
Convention called to order; Convention Committee Chairman, Chas. A. Hahn.
Song, "The Star Spangled Banner."
Invocation by Rev. William E. Harrison of the Westminster Presbyterian Church.
Convention Chairman introduces H. Dixon, State President of the Master Plumbers of California.
Address of Welcome—Mr. Albert Elkus, Mayor of Sacramento.
Address, "Our City"—Mr. A. S. Dudley, Secretary Sacramento Chamber of Commerce.

1:30 p.m.—
Convention called to order.

2:30 p.m.—
Reception and tea for ladies in blue room at Hotel Sacramento.

8:15 p.m.—
Card party at the Masonic Auditorium. Delegates, ladies and guests to participate. Prizes, Refreshments after card games.

Tuesday, May 23

10 a.m.—
Convention called to order.
Address—Col. William R. Archer of the National Trade Extension Bureau, Evansville, Indiana.

1:30 p.m.—
Convention called to order.
Ladies meet at City Hall for auto trip around city to places of interest and ride down Sacramento Riverside Highway.

7 p.m.—
Dinner dance at Masonic Auditorium, to delegates and ladies.

Wednesday, May 24

10 a.m.—
Convention called to order.

12 noon—
Ladies meet at Masonic Temple for luncheon at Country Club and auto ride to Auburn.

1:30 p.m.—
Convention called to order.

8 p.m.—
Theater party for ladies, followed by refreshments at "The Sutter."
Smoker and jinks for delegates and guests at Elks' Hall.

Thursday, May 25

8:30 a.m.—Picnic—
Delegates, ladies and guests meet at Masonic Hall for auto ride and picnic at Coloma. Luncheon served on grounds.
Convention meeting will be held in Elks' Hall.

PLASTERER'S TRADE SCHOOL OPENED BY INDUSTRIAL ASSOCIATION

To relieve the shortage of competent plasterers and to enable deserving intelligent men now in the ranks of unskilled labor to learn a trade quickly and efficiently, the Industrial Association of San Francisco has founded a school for plasterers at a cost of $8000, which, if successful, will be extended to cover instruction in all the branches of building trades.

It is the first project of this kind ever launched in the United States, according to Paul Eliel, director of the school, and letters from all the cities of the East suffering from labor shortages are coming into the association offices seeking details and desiring information as to its progress.

The training consists in putting men to work eight hours a day, on model rooms constructed for that purpose in the school building at Nineteenth and Harrison streets.

EAST BAY CITIES SEEK WATER SUPPLY

The proposed formation of a public utility district enabling Oakland Berkeley, Alameda and Richmond to solve the water problem is in the hands of the Alameda County Supervirors, who have under consideration the calling of a special election to decide the matter.

Faced with the declaration by the East Bay Water Company that the present resources will furnish an adequate supply for only a few years longer, officials of the east bay cities have been working on the problem for over three years.

In this connection the so-called Mayor's Committee, consisting of the Mayor of Oakland, Mayor Louis Bartlett of Berkeley, Frank Otis of Alameda, Oliver Ellsworth of Piedmont, Gerrard of Richmond and W. H. Christie of Emeryville, has submitted to the Board of Supervisors a map showing the roposed ward lines for a water district, with the request that the election be held.

The proposed proceedings are taken under the "Municipal Utility District Law" passed at the last session of the Legislature at the request of the bay cities. It provides that the interested cities may petition the Board of Supervisors to call an election for formation of the district and the election of a board of five directors to have charge of its affairs. These directors are to be nominated from wards, but elected at large.

Two problems will be before the water district when it is organized. First, the acquisition of the present sources of water supply. The East Bay Water Company has announced willingness to sell its system to the proposed district. This system is given a valuation of nearly $19,000,000 by the Railroad Commission, on which it allows the water company 7.33 per cent in addition to all operating expenses, depreciation etc., the total gross revenue being $2,698,185.

Advocates of the proposed water district declare that $435,000 a year can be saved through the difference of 4½ per cent interest on bonds to be issued by the district with that of 7.33 per cent allowed the water company on the valuation of $19,000,000. They estimate this will reduce water bills 16 per cent.

The second problem of the water district will be to get an additional water supply. Engineering investigations have been made which reveal that there seems to be two available sources. One is the Hetch Hetchy, in combination with San Francisco, and the other the Eel River

The forests of California are the source of the streams which supply domestic and irrigation waters. Destruction of these forests by fire means less water for cities and farms.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

Arthur Joel, Adolph Uhl, R. N. J Armstrong, Julius S. Godeau and Courtney L. Moore have been named by George Skaller, president of the Civic League, to represent that body before the San Francisco Board of Supervisors and urge action on the proposal to finance, under the joint highway district act, the share of the city and county in the highway down the peninsula and the bay bridge. Joel will act as chairman. George W. Gerhard, secretary of the league, will act with the committee.

Applications to appropriate five second feet of the waters of the South Fork of the American River to generate electricity for Camp Sacramento have been filed by City Engineer Albert Givan of Sacramento, with the United States Forest Service and the State Water Commission. The power plant it is expected, will be installed next year, and a recommendation for the money necessary for the improvment will be made in the budget to be presented to the City Council this fall.

An order of foreclosure and sale of property of the Hillcrest Lumber Co., of Berry Creek, Butte County, has been made by the Superior Court. The mortgage was held by B. F. McCall of San Francisco, who had been assigned a promissory note for $15,000. Interest of $1145 is unpaid. The company's property at the time the suit was filed consisted of a sawmill, bunk houses, machinery and 160 acres of land, all at Berry Creek. The mill was destroyed by fire last fall.

The sum of $1,004,000 is needed for permanent repairs and maintenance in Oakland Public Schools for the coming fiscal year, according to Donald Rice, business manager of the Oakland School Department. For the past four years there has been only $130,000 a year appropriated for this purpose, and as a result many schools are sadly in need of painting and plumbing repairs, says Rice. New plumbing alone will cost $100,000, according to estimates.

The establishment of union stock yards at Los Angeles, with their full complement of packing houses and by-products plants, has been assured through the purchase by a group of Chicago men of 247 acres of land in the southeastern part of the city. The land is valued at $500,000 and it is stated contemplated improvements will exceed $2,000,000.

A. H. Christensen of Salt Lake City has filed application with the Utah State Engineer to appropriate 69,000 acre feet of water from streams located in the central eastern part of the State to irrigate 112,400 acres of land in Carbon, Sanpete and Emery Counties. The project includes the construction of a timber crib dam and about 75 miles of main canals.

The Crane Co., 836 S. Michigan Ave., Chicago, Ill., has just issued the May issue of the "Valve World," the house organ of the Crane Co., and edited to cover a wide range of subjects.

Articles of incorporation have been filed with the county clerk at Stockton by four firms, as follows: Terminal Cold Storage and Warehouse Company, with a capital of $500,000; Northern California Fruit Company, the Woodbridge Fruit Company and the Mossdale Farms, the first being capitalized at $45,000, the second at $75,000 and the third at $200,000.

John W. Koehl & Son, Inc., 652-644 S. Anderson St., Los Angeles, have been appointed sole distributors for Southern California of the Atlas wall board, manufactured by the Emerson Carey Fibre Products Co., Hutchinson, Kan. This board is made in panels 32 in. and 48 in. wide and in 8 lengths from 6 to 16 ft.

The Continental Petroleum Refining Company, with headquarters at Coalinga, will enter the wholesale business and will establish warehouses and distributing plants throughout the San Joaquin Valley. Sites have been purchased at Hanford and Tulare and early construction is contemplated.

The $200,000 bond issue of the Reno (Nevada) High School District has been sold for a premium of $4555. Proceeds of the sale will finance construction of a new high school, plans for which have already been prepared.

The superintendent of the Taholah Indian School at Taholah, Wash., will receive bids until July 6, for the purchase of approximately 305,000,000 feet of timber on 11,300 acres in the Quinault Indian Reservation.

"An Investigation of the properties of Chilled Iron Car Wheel," by F. M. Snodgrass and F. H. Guldner, is the latest booklet issued by the Engineering Experiment Station, Urbana, Ill. Copies will be mailed on request.

The War Department seeks an appropriation of $1,000 to finance survey for a dock at Juneau, Alaska. The department reports that a dock at that point would materially reduce operating costs and snipping delays.

"The Ignition Temperature of Coal" by R. W. Arms is the latest bulletin (No. 128) issued by the Engineering Experimental Station of the University of Illinois, Urbana. Copies will be furnished on request without charge.

Oakland City Board of Education will place on the market approximately $1,000,000 worth of bonds of the remaining $5,000,000 school issue. Proceeds of the sale will finance school construction.

The monthly tonnage report of the United States Steel Corporation shows 5,096,413 tons of unfilled orders on hand April 30. This is an increase from March's unfilled orders, which totaled 4,494,148.

Ellery, Frost & Patten, engineers, Merchants National Bank Bldg., San Francisco, have opened a branch office at 1913 Fresno St., Fresno, with Byron T. Patten in charge.

ALONG THE LINE

Smith-Booth-Usher Co., machinery dealers of San Francisco and Los Angeles, have just issued a comprehensive catalog of "Contractors, Road Making and Industrial Machinery." It is a 128-page book, cloth bound, and covers the well known lines handled by this company. The catalog is profusely illustrated, a feature being the numerous pictures of equipment in actual operation in California.

G. E. Engineering Co., Inc., of New York City, has opened a district office at 256 Spreckels Building, San Diego, with W. E. Hess as district manager. Products of the company include steam, sanitary, electric and refrigeration engineering, transmission lines, underground conduits, pipe line systems and power plant development.

Rufus B. Carlton has resigned as city clerk of Sacramento. Harry Denton, deputy city clerk, has been appointed to the position. Carlton will accept a position with the Motive Power Division of the Southern Pacific Railroad.

Evinrude Motor Co. world's largest manufacturers of portable motors for water craft, has opened a distributing pant at 119 Broadway, Oakand. H. G. Graves will be Pacific Coast manager.

Los Angeles County proposes to bond for $9,000,000, of which $3,000,000 will finance construction of a new county county jail and the balance for addition to the county hospital and sanitarium.

The Steiger-Vallejo Clay Products Company of Vallejo will commence operations June 1, acording to announcement of Louis A. Steiger, general manager.

The Cleveland Metal Products Company, an Eastern corporation, has purchased a tract in Emeryville as a site for a factory for the manufacture of oil stoves.

Capt. J. B. Wright retired from the office of county engineer of Coconino County, Arizona, May 1. Frank Goodman is temporarily in charge of the office.

The King Food Products Co. of Portland, Oregon, proposes to erect a fruit and vegetable packing plant at Marysville. It is planned to have the plant in operation for the 1923 season.

R. D. Leonard has opened a plumbing and sheet metal shop in Washington St., Sonora, Cal.

George E. Witt, founder of the G. E. Witt Co., San Francisco, died May 10 at his home in Concord, Mass.

PORCELAIN PLANTS AT RICHMOND CONSOLIDATE

Incorporation of the porcelain and enamel ware industry of Richmond and the consolidation of three plants into one company, to be known as the Pacific Sanitary Manufacturing Co., capitalized at $2,000,000, is announced.

There is no change in the management of the concerns which have been owned by the same people but which have been in separate companies. N. W. Stern will remain as president, M. E. Wangenheim, first vice president; E. S. Wangenheim, second vice president; Miss Mayblum, secretary, and Claire Cameron will remain as head of the iron enamel plant in North Richmond and W. A. Potter of the pottery plants at Barrett avenue and at San Pablo.

The capacity of all plants will be increased 100 per cent to meet the demand for the products. With the new improvements and enlargements recently completed and those under way, the plants will be among the largest of their kind in America.

POWER COMPANY ORGANIZED FOR AMERICAN RIVER PROJECT

The American River Water and Power Company has been organized with headquarters at Auburn, Cal., to supply water for commercial purposes, water for irigation in western Placer County and eastern Sacramento County and to engage in the lumbering business.

James E. Walsh, president of the Placer County Bank, has been named president of the newly organized corporation. The directors are J. E. Walsh, Auburn; Jerome Barieau, Auburn; Fred P. Tuttle Jr., Auburn; J. F. Dudley, Newcastle, and W. S. Graham, Ukiah.

According to J. E. Barieau, engineer for the project, the newly formed organization is the outgrowth of earlier plans to form the Central Sierra Power Company by Tuttle and himself.

According to Barieau, the waters of the Rubicon and American Rivers would be used by the company. It is planned to float logs from the upper Sierras to a proposed mill in the vicinity of Colfax, getting them past projected power houses by means of chutes. Water rights and applications for water rights are in the name of Fred P. Tuttle Jr.

COUNTY ROAD FEE UPHELD BY SUPREME COURT

The State Supreme Court holds that the Broughton act of 1905, permitting counties and municipalities to receive for five years 2 per cent of the gross revenues of public utility corporations which have been granted use of the public highways for transmission systems, has not been superseded by the corporation tax law of 1911, substituting taxation by the state for county and city taxation.

Money received by a county or city under the Broughton act is not a tax, but a charge in return for the privilege of using the highway, and is specifically expected from the operations of the corporation tax law, according to the court.

The case was an appeal by the San Joaquin Light & Power Corporation from a judgment for $5066 given the county of Tulare and city of Dinuba.

As the amount was declarer to be improperly fixed, the court reversed the judgment and remanded the case for a new trial.

U. S. Road Chief Praises California Highways

California highways were praised by Thomas H. MacDonald, Chief of the U. S. Bureau of Public Roads, in an address delivered in New York at a dinner given by the Highway Committee of the National Chamber of Commerce. Mr. MacDonald took as his subject "Things That Are Not So," and spoke upon reports circulated in the East derogatory to the highway system. He said:

People say that the roads of California have gone to pieces and that they have been gradually giving up the ghost. The bureau made a very careful survey of 1290 miles out of the entire system of about 1500 miles of concrete roads which have been built in California since 1909; that is a period of over ten years.

In that ten-year period, of the entire mileage that has been built, less than 13 per cent is all that shows signs of distress or has broken down. And those roads, gentlemen, were four and five inches thick, and 70 per cent of all which showed distress were laid over clay and adobe soils. It is my judgment that they would have shown about the same distress when laid over that kind of soil had they been very much thicker.

"Most of the things that we have known about highways are not so," said Mr. MacDonald in his introductory remarks. "You will find flat contradictions of practically everything we have accepted as trite and academic and almost proverbial.

One of the axioms that Mr. MacDonald assails is the "commandment that thou shalt not build a road which will not last longer than the bond."

Mr. MacDonald cited New York, which, like California, is widening and thickening its old roads, and said:

The State of New York issued bonds for $100,000,000, and I have seen within very recent times articles written in which it is said that the roads are going to pieces so badly that they will be gone before the bonds have been paid. Probably the road surfaces built with the proceeds of those particular bonds will be gone before the bonds are paid. But it is a fact that this year in New York state we are in co-operation with the state, widening those old macadam roads with eighteen feet of concrete, leaving a strip of the old macadam in the middle.

This work has only just begun, but successfully, so making a 24-foot surfaced roadway in place of the old 12 or 14-foot macadam surface, on the same roadbed that was built with the bond money, and at a cost which is enough less than the average cost of new construction of concrete eighteen feet wide to absorb the first cost that the state has invested.

In other words, so far as I see it, New York state by the investment of $100,000,000 and by building cheap roads when her needs were for cheap roads, has been having her service of those roads all these years at not to exceed the interest cost, and has all the investment left.

LARGE EXPENDITURES REQUIRED TO BRING HIGHWAYS UP TO STANDARD

Large expenditures will be necessary to bring the 2,500,000 miles of rural highways in the United States up to the standard of efficiency comparable to their intended use in motor transportation. This is the opinion of the Joint Congressional Committee of Agricultural Inquiry, whose general conclusions on the subject were announced by Chairman Anderson.

In the second report of the commissions studies, the first having dealt with agricultural freight rates, the chairman also made known its conclusions regarding electric railway development as affecting rural communities and questions relating to the postal service.

The commission, Anderson said, will recommend that Congress continue to promote an adequate and more effective correlation of highway transportation, and that States and counties also continue their highway programs with particular reference to farm-to-market roads.

NEW LUMBER COMPANY TO OPERATE AT WEED

The Igerna Lumber Company has taken over the old Durney Lumber Company holdings, five miles out of Weed on the slope of Mount Eddy, and will soon start active operations.

T. J. B. Davis of Sisson, E. Mitchell of Antioch and E. B. Durney of Weed compose the company. Durney is the son of the original owner of the property and at present owns the timber. He will have active charge of the sawmill operations.

The property consists of the old mill and about 20,000,000 feet of standing timber.

SWEDISH OFFICIAL TO STUDY CALIFORNIA RECLAMATION WORK

Olaf Fredholm, official of the Swedish Department of Agriculture at Stockholm, arrived in San Francisco recently to begin a survey of agricultural conditions in northern California, with a view toward applying methods used here in reclaiming lands in the northern part of his native land. Fredholm, who is at the Plaza, stated that lands which have been practically useless from an agricultural standpoint are about to be developed by the Swedish government under the most advanced methods.

"I am particularly interested in American farm machinery and intensive methods used here," he said. "Caterpillar tractors and fertilizing apparatus manufactured in this country can be applied successfully to the government project."

SAN JOSE BUILDERS WILL EXHIBIT MATERIALS

The directors of the Fourth Annual Industrial Exposition of San Jose have been assured the co-operation of architects, contractors and material dealers to provide a "Building Exhibit" in the show to be featured in that city in the immediate future. The exhibit will cover every class of building. In addition to featuring all types of materials, architects will display plans and estimates of costs for structures, especially of the residential type.

Will the children of today, when grown to manhood and womanhood, be proud of their fathers if those fathers do not protect, wisely harvest and seek to continue the forests that nature has provided?

Uniting the Construction Industry for the Common Good

For the first time in the history of American industrial development a great industry has united all its elements—manufacturers, labor, and the professional branches—in a great effort to raise the standards and efficiency of the industry and improve the service which it renders the public. The nearest precedent is that furnished by the selection of Will H. Hays as arbiter of the motion picture industry, but the American Construction Council, on which the organization details are now being completed, goes much farther. It dips down into the industry and brings together for conference, for betterment of understanding and for common action the architects, the engineers, labor contractors, materials manufacturers and dealers, bankers and insurance men—all elements concerned with building work of any description and with the construction of public works, railroads, bridges, irrigation works, etc.

It is stipulated that all the work of the Council must square with the public welfare and so dominant has this idea been in the preliminary conferences that Secretary of Commerce Hoover, seeing the benefits that will result, has taken the responsibility of presiding at the formal organizing meeting in Washington, D. C., June 19th and 20th, and Franklin D. Roosevelt, New York, former Assistant Secretary of the Navy, has agreed to accept the presidency of the organization.

The possibilities of the new organization are tremendous. If the reader were asked to tell what construction really is, the reply would probably be, "housing" or "plant construction and and bridges, railroads and canals" or perhaps "terminals for railroads and ship traffic or irrigation and reclamation projects." Yet all of these are merely divisions or classifications of a single industry and should always be included in the thought of the whole.

Instead of thinking of the building of houses as the individual expression of the fancy of the individual citizens, of the building of highways and railroads as merely the means of an industry we call transportation, of factory building and hydro-electric construction as isolated enterprises embarked in by isolated groups of individuals for private gain, we must think of contsruction as we do of agriculture, or of mining, or of manufacturing—as one of the great creators of permanent wealth, as one of the foundation stones in our civilization on which our progress is built.

Already indications of this are evident. Construction reports have become equal to crop reports as barometric indicators of the material prosperity of the country. On their rise and fall depends the well-being of millions of our people, the success of great enterprises, the future welfare of our citizens.

The popular belief is that American industry is divided into four basic industries—(1) agriculture, (2) manufacture, (3) transportation and communication, (4) mining and forestry. Such a classification leaves out of consideration, however, what has been demonstrated after investigation to be the second most important industry in the country, namely construction. When considered from the standpoint of the yearly volume and money involved, this comes second only to agriculture and is among the first of all industries when expressed in terms of the labor. Investigation has shown that the number of workers, who together with their families depend upon the construction industry for a livelihood totals approximately 11,000,000 persons. It was conservatively estimated that 24% of our annual capital accummulation and over 50% of our national savings are absorbed by this great industry every normal year. Approximately nine-tenths of all iron, copper and zinc and 95% of all the lead produced in this country are consumed in construction.

The support given to Agriculture and to Trade by the annual expenditures of this great number of persons is almost too apparent to need discussion. The following table shows the way in which over $5,000,000,000, are disbursed and gives an excellent idea of the wide range of benefit from the expenditure of wages paid in the Construction Industry. The proportions are those established by the National Industrial Conference Board.

Rent	$756,500,000
Fuel and light	214,500,000
Clothing	663,000,000
Medical attention	113,000,000
Reading matter	41,500,000
Church and charity	46,500,000
Furniture, furnishings and general supplies	126,000,000
Recreation	229,500,000
Savings	600,000,000
Unclassified	601,000,000

Yet in this mighty industry each element has, with rare exceptions, acted by itself, looking after its own interests, neglectful generally of the rights of the other elements and, often indifferent to the rights of the public.

Since the war this lack of co-ordination, of actual understanding and consideration of the service rendered the public has stood out more strongly than before. During the war it was necessary to postpone all but essential construction, leaving us at the close of 1919 with an enormous deferred volume of construction work. In 1920 we began to catch up, to fall back again in 1921; today we have a deferred total valued by students of the industry at $10,000,000,000. Of the housing shortage, an important part of this deferred construction, the general public is well aware. Yet the shortage exists in every line of construction. We have not enough office building or schools, railroads or highways, while sewerage, water-supply systems and paving are far behind present needs. This shortage has put great pressure on every branch of the industry and has forced it to study anew its relationship to the whole. Moreover, the public has lacked confidence in the fairness of building costs and this has added to the pressure put upon the industry. Not only has each of the elements been re-examining its position and responsibility but efforts at coordinated work have been made. The National Federation of Construction Industries, a war-born organization, was continued after the Armistice in an effort to pull the industry together nationally and has achieved some excellent results. The Building Congresses, with notable successes at New York, Seattle and Portland, Ore., attacked the problem locally. The National Board for Jurisdictional Awards representing labor, contractors, architects, and engineers, and the Joint Conferences of Engineers, Architects and Contractors on Estimating and on Standard Contracts have each tackled specific problems common to the whole industry and demonstrated the need as well as the practicability of cooperation for the good of all.

The way has thus been well prepared for the great national movement now launched. Nearly every one of the 250 national associations in the industry has tested out its own work and learned from experience the large amount of duplicate effort and its inability to grapple effectively with the problems that extend beyond its special field. They are ready and eager to have these common problems taken over by an all-embracing organization so that there may be the elimination of duplication and more resultful work. They appreciate that the public demand will no longer wait and that only through a broad, virile and effective movement, dedicated to the improvement of the sevice which construction renders the community, states and nation can the industry gain public confidence. Through co-ordinated action there is opportunity for tremendous waste elimination, assuring to the public more and better homes, public buildings, railroads, bridges, etc., for their construction expenditure.

It is these tremendous possibilities, in dedication to the public service and elimination of waste, that have fired imaginations of Mr. Hoover and Mr. Roosevelt and induced them to accept positions of leadership in the moment.

While the organizers have a large program of work mapped out, efforts will be concentrated at the start on a few of the more outstanding problems. Chief among these is the establishment of a code of ethics that will be universally accepted in the industry. Due to a small minority the whole business of construction is, as Mr. Hoover expressed it recently in addressing the industry, "under a great cloud and the moral ethics of the business are challenged daily throughout the entire country."

Mr. Hoover added these significant words:

"I am convinced that these things can never be cured by legislation or by jails. They can be cured by the resolute action of the vast majority of honest men who form the proffessions, and it has now become vital in the country's interests that this should be undertaken."

The organizers consider this message from Mr. Hoover a charter for their work. It is in this spirit that the ethical work will be undertaken in order that the industry may stand square with the public and that all practices inimical to the public welfare may be eliminated.

Statistics are much needed so that the industry may operate intelligently. While there are partial statistics collected by many sources, they have not been brought together and interpreted in the light of all facts.

Local groups at New York, Seattle and Portland have very successfully brought together all elements of the industry for a better understanding of the local building situation and have accomplished much good. The new Council will promote similar local activities in other centers.

Another great problem stands ready for effective handling. There is a shortage of building mechanics, and the labor organizations need help in establishing the necessary apprenticeship system. Mr. Hoover's department is making a national study of building codes, and when its work is completed there must be a nation-wide activity to carry the recommendations into effect—a type of activity which the new organization is designed to promote.

In addition the program of immediate work embraces transportation, encouragement of local building shows, publicity directed at giving the public an adequate conception of the magnitude and work of the construction industry and studies of seasonal employment, with the initiation of efforts to level out the seasonal swings.

In its organization the cardinal feature of the Council lies in giving each group equal voting power. The ten groups agreed upon are: Architects, engineers, construction labor, general contractors, sub-contractors, materials and equipment manufacturers, materials and equipment dealers; bond, insurance and real estate interests; construction departments of public utilities, and the construction departments of federal, state and municipal governments. Some of the associations engaged in the organization work have been the American Institute of Architects, the Federated American Engineering Societies, the Building Trades Department of the American Federation of Labor, the Associated General Contractors, the National Federation of Construction Industries, the National Building Congress, the National Association of Building Exchanges, the Building Trades Employers Association, the National Real Estate Board, besided a large number of association of manufacturers.

With this strong backing the organizers feel confident that the American Construction Council will quickly be able to play an important part in the industrial life of the nation. Work of great magnitude lies right at hand, crying for attention. The public demands that the industry square itself with the public interest by eliminating the minority that have brought it into ill-repute. The individual elements of the industry are aroused to the responsibility which it owes the public and to the oportunities for elimination both of duplicate association efforts and of wastes in construction operations.

The time is most propitious for action.

PROFESSOR IN ARCHITECTURAL DESIGN APPOINTED BY CARNEGIE INSTITUTE

James Chillman Jr. has been appointed Assistant Professor in Architectural Design at Carnegie Institute of Technology, Pittsburgh. Chillman, for the past three years, has been studying at the American Academy at Rome, as the holder of the Roman Prize Fellowship. His work at Carnegie Tech. will begin next September.

He is a graduate of the University of Pennsylvania in the class of 1914, with the degree of Master of Arts. For some time he was an instructor at the University of Pennsylvania, and for several years was instructor in architecture at the Rice Institute, Houston, Texas.

His studies in Rome have been of the Italian Renaissance in its relation to Colonial architectrue. Chillman has also done some important research and restoration work at Hadrian's Villa in Tivoli. The appointment of Chillman is expected to add strength to an already strong department.

Newlands Project Land Opening June 16

On June 16 thirty-three public land farms, embracing a total irrigable area of 2,185 acres, will be opened to homestead entry on the Newlands irrigation project, Nevada.

Four of these farm units are of 80 acres each and contain from 46 to 66 acres of irrigable land that can be leveled at reasonable cost. The soil is Lahontan loam, and they are located about 10 miles southeast of Fallon, adjacent to what is known as Carson Lake Beach.

The other 29 farm units, located about 7 miles southwest of Fallon in the Sheckler District, range from 80 to 160 acres and contain from 40 to 100 acres each of irrigable land. The topography of these units is very rough and the cost of leveling for irrigation will be considerable. Other rough lands on the project have averaged as high as $80 per acre for putting in shape to irrigate. The soil is sand and loam.

An irrigation district has been organized under the State laws of Nevada for the purpose of providing drainage for irrigated lands on the Newlands Project, and for other purposes. The present drainage plans now under construction provide for main outlet drains needed for the protection of these and other units on the project.

The construction charge is $60 per irrigable acre, payable 5% down at the time of making water-right application. No further payments on account of construction are required for five years, when the settler will be required to pay the remaining charges in 15 annual installments. No interest is collected on deferred payments, but a penalty of 1% per month is charged on payments not made when due.

The elevation of the Newlands Project is about 4,000 feet above sea level, and the climate is mild, the extreme variation being from 5° below to 105 above zero. The main crops are small grains and alfalfa.

The Newlands Project has the opportunity of becoming one of the leading dairy sections in the West, and farmers who are desirous of establishing themselves in the dairy industry are advised to investigate the merits of the project. There are already some very fine strains of Holstein-Frisian blood on the project.

The markets are the nearby mining camps and Los Angeles, Sacramento and San Francisco.

Ex-service men of the World War will be given ninety days preference right in filing on these lands, after which time civilians may file on any units which may remain unentered.

For further information homeseekers should write to the Project Manager U. S. Reclamation Service, Fallon, Nev.

ENGINEERS ORGANIZED TO PERFECT MILLION ACRE IRRIGATION PROJECT

The largest irrigation project so far undertaken in the State of California and one of the most potentially productive in the world took shape at a recent meeting in Fresno. The meeting was called under the auspices of the San Joaquin River Conservation Association and the districts and interests represented cover more than one million acres of land.

Delegates present were authorized to act on behalf of practically all present users of San Joaquin river water, these extending over the west-side of Fresno County, and taking in Madera, Merced and Stanislaus county systems.

Preliminary estimates are that the run off of the San Joaquin is greater than that of the Kings river and therefore the new combination of districts and interests would represent a greater possible irrigable acreage than that affected by the Kings river consolidation, under what is known as the Pine Flat project.

Following is the list of representatives present at the recent Fresno meeting:

Mendota District—I. Teilman, resident engineer.

Madera District—Louis C. Hill, Los Angeles.

Tranquility District—R. C. McFarland.

West Stanislaus District—Everett N. Bryan.

Rio Tierra Investment Co. (Stockton)—H. H. Henderson.

Stevinson District—J. G. Walters.

Unorganized Territory (West Side)—Ellery, Frost & Patten.

San Joaquin Light & Power Corporation—L. J. Moore, executive engineer.

Louis C. Hill was appointed permanent chairman of the engineering board. He is a members of the firm of Quentin, Cole & Hill, Los Angeles and is chief engineer of the Madera Irrigation District. J. W. Fink of Crows Landing, permanent secretary of the San Joaquin River Conservation Association, acted as secretary of the meeting.

DRAIN TILE SPECIFICATIONS APPROVED

The American Engineering Standards Committee has approved as Tentative American Standard the Specifications for Drain Tile (C4-21) of the American Society for Testing Materials.

The history of these specifications dates back to 1911 when the A S T M organized its Committee C-6 on Drain Tile to meet two very urgent conditions. The comparatively recent use, on an extensive scale, of very large drain tile in public drainage works for reclaiming wet lands had brought about the unexpected discovery that these large drain tile were quite subject to cracking in the ditch under weight of the ditch refilling. Also, the extensive production of concrete drain tile, and the resulting controversy between clay tile and concrete tile producers as to the merits of the new material made it urgent that additional data be secured. The specifications were based on a series of investigations covering methods of tests, the determination of desired quality and durability of drain tile, and a study of methods of manufacture and of construction and field specifications.

Nineteen standards have now been approved by the American Engineering Standards Committee, of which four have been approved as "American Standard," fourteen as "Tentative American Standard" and one as "Recommended American Practice."

STATE BOARD OF ARCHITECTURE ELECTS OFFICERS

Clarence R. Ward of San Francisco was elected president of the State Board of Architecture at a meeting held in Los Angeles on May 12. Other officers are: W. J. Dodd, vice president; A. M. Edelman, secretary and treasurer; Sylvain Schnaittacher, assistant secretary and treasurer.

Building News Section

APARTMENT HOUSES

Plans to Be Prepared.
APARTMENTS Cost, $100,000
SAN FRANCISCO. S Pacific Ave. 47:6 W Frankiin.
Five-story reinforced concrete apartment house.
Owner—Harry M. Seigler, 110 Sutter St., San Francisco.
Architect—Will be given later.

Plans Being Prepared.
APARTMENTS Cost, $40,000
SAN FRANCISCO. Pine and Joyce Sts., Bet. Powell and Stockton.
Three-story frame and plaster apartment house (18 2 and 3-room apts.)
Owner—Withheld.
Contractor — G. S. Ashley and A. J. Evers, 1st National Bank Bldg., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $48,000
SAN FRANCISCO. Leavenworth St. near Eddy.
Fireproof apartment house (24 2-room apartments.
Owner—C. F. Ernst.
Architect—J. H. Powers and John H. Ahnden, 460 Montgomery St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $38,000
SAN FRANCISC. 12th Ave 100 S California.
Three-story and basement frame (12) apartments.
Owner—Mrs. Regina Hecht and Mrs. Lena Blakesly, 351 Jones St., San Francisco.
Architect—G. A. Berger, 261 Valencia St., San Francisco.
Contractor—Thos. McCormick, 37 Hill St., San Francisco.

Contract Awarded.
APARTMENTS. Cost, Approx. $60,000
SAN FRANCISCO. E Jones bet. Bush and Sutter.
Five-story reinforced concrete apartment house (20 2 and 3-room apartments).
Owner—F. M. Stitch.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Vukicevich & Bagge, 180 Jessie St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $110,000
PORTLAND, Ore. 15th and Davis Sts.
Four-story concrete and brick (53 2 and 3-room) apartments, 100x100.
Owner—Williams Apartments.
Architect — Houghtaling & Dougan, Elks' Bldg., Portland.
Contractor—Zanello Bros., 373 Larch St., Portland.

To Be Done by Day's Work
APARTMENTS Cost, $40,000
SAN FRANCISCO. NW Geary and 27th Ave.
Three-story and basement frame (10) apartments.
Owner—Thos. Hamill, 6140 Geary St., San Francisco.
Architect—John J. Foley, 770 5th Ave., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $30,000
SAN FRANCISCO. Western Addition.
Two-story frame and plaster De Luxe apartments (2 10-room apartments with basement and garages)
Owner—Not given
Architect—J. W. Dolliver, Monadnock Bldg., San Francisco.

To Be Done by Day's Work.
APARTMENTS Cost, $14,000
SAN FRANCISCO. SE Geary St. and 2nd Ave.
Three-story and basement frame (4) apartments and stores.
Owner—P. Midburst, 177 Caselli Ave., San Francisco.
Architect —None.

Plans Being Prepared—To Be Done by Day's Work and Sub-Contracts.
APARTMENTS Cost, $250,000
SAN FRANCISCO. Pacific Ave and Octavia St.
Six-story and basement reinforced concrete apartment house.
Owner—Geo. W. Burnett.
Architect—C. H. Skidmore, Call Bldg., San Francisco.
Mr. Burnett plans to erect 30 high-class apartment houses in San Francisco within the next three years.

Plans Being Figured.
APARTMENTS Cost, $35,000
SAN FRANCISCO. Balboa St., near 15th Ave.
Two-story frame and stucco apartment (8 4-room apartments).
Owner—V. Onorato.
Architect—O'Brien Bros., 240 Montgomery St.

Plans Being Figured.
APARTMENTS, ETC. Cost, $——
SAN FRANCISCO. S Sutter St. E Taylor
Three-story and basement reinforced concrete studio apartment and store building.
Owner—Mortimer A. Samuel.
Supervising Architect — August G. Headman, Call Bldg., San Francisco
Figures are now being taken for the general contract. Next week bids for the plumbing, heating, painting and electrical work will be taken.

Plans Being Prepared.
APARTMENTS Cost, $——
MARYSVILLE, Yuba Co., Cal.
Apartment house.
Owner—Withheld.
Supervising Architect — August G. Headman, Call Bldg., San Francisco

Plans Being Prepared.
APARTMENTS Cost, $70,000
FRESNO, Fresno Co., Cal. Van Ness Avenue.
Three-story brick apartment house (31 2 and 3-room apts.)
Owner—J. W. Whitney.
Engineers—Ellery, Frost & Patten, Merchants National Bk. Bldg., San Francisco, and 1913 Fresno St., Fresno.

Contract Awarded.
APARTMENTS Cost, $25,480
SAN FRANCISCO. W Scott St. North of Hayes St.
Three-story and basement frame and plaster apartment house (6 4-room apartments.
Owner—H. Cohn
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—Louis Cohn, 110 Sutter St., San Francisco.

Sub-Figures Being Taken—To be Done by Day's Work.
APARTMENTS Cost, $55,000
OAKLAND, Alameda Co., Cal. Twenty-ninth St near Webster.
Two-story frame and brick veneer apartment house (8 4 and 5-room apts.)
Owner—Enterprise Hall Association (H. C. Ogden, Secretary), Monadnock Bldg. San Francisco
Architect—F. G. Hangs, 1st National Bank Bldg., San Francisco
Mr. Ogden is now taking sub-figures

Plans Being Figured.
APARTMENTS Cost $35,000
BERKELEY, Alameda Co., Cal. Piedmont Ave and Dwight Way.
Three-story and basement frame and plaster apartment house.
Owner—Mr. Prey.
Architect—W. H. Ratcliff Jr., First National Bank Bldg., Berkeley.

BANKS

Plans Being Figured.
BANK BLDG. Cost, $35,000
CALISTOGA, Napa Co., Cal.
One-story reinforced concrete bank building.
Owner—Bank of Calistoga.
Architect — Jas. T. Narbett, 910 Macdonald Ave., Richmond.

Plans Being Figured—Bids Close May 23, 1922.
BANK Cost, $300,000
SACRAMENTO, Cal. SW Sixth and K Sts.
One-story Class A bank building.
Owner—Bank of Italy.
Architect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
Figures are being taken for a general contract.

Contract Awarded.
BANK BLDG. Cost, $——
CALISTOGA, Napa Co., Cal.
One-story reinforced concrete bank building.
Owner—Bank of Calistoga.
Architect—James T. Narbett, 910 Macdonald Ave., Richmond.
Contractor — Bordwell & Zimmerman, Calistoga.

Plans Being Prepared.
BANK BLDG. Cost, $250,000
LONG BEACH, Los Angeles Co., Cal. SE Fourth and Pine Sts.
One and three-story and basement Class A bank building.
Owner—First National Bank of Long Beach.
Architects—John and Donald B. Parkinson, Title Ins. Bldg., Los Angeles

BONDS

RENO, Nevada. — $200,000 High School bond issue sold for premium of $4555; proceeds of sale will finance construction of new High School, plans for which have been prepared by Architects Geo. Ferris & Son of Reno.

CONCORD, Contra Costa Co., Cal.—Bonds of $70,000 have been voted in Concord Grammar School Distriest to finance construction of a new school building.

CENTERVILLE, Alameda Co., Cal.—Trustees of Washington Township Union High School District will call election to vote bonds of $150,000 to finance construction of a new high school building.

SANTA BARBARA, Santa Barbara Co., Cal.—Election will be held May 23 to vote bonds of $15,000 to erect fire house and purchase equipment. S. H. Taggart, city clerk.

SAN JOSE, Santa Clara Co., Cal.—Until June 5, bids will be received by the Supervisors for purchase of the following bond issues, proceeds of the sale in each instance to finance school improvements: $55,000 issue of Saratoga School District, $25,000, Campbell Union High School District; $6500 Cupertino Union School District, $44,000, Morgan Hill School District, $3000, Milpitas School District.

LOS ANGELES, Cal.—Supervisors vote to place on August primary ballot question of issuing 53 bonds of $9,000,000; $3,000,0000 of which is to finance construction of ne wcounty jail, the balance for county hospital and sanitarium building.

SANTA BARBARA, Santa Barbara Co., Cal.—Election will be held May 23 to decide the question of issuing bonds of $185,000 to purchase site and erect City Hall. S. B. Taggart, City Clerk.

SAN PABLO, Contra Costa Co., Cal.—June 7 is the date set in San Pablo School District to vote bonds of $10,000 for school improvements. Trustees of district are: F. A. McCausland, Mary Rose Maloney and Henry C. Soito.

TAFT, Kern Co., Cal.—Trustees of Conley School District will call an election to levy special tax of $80,000 for constructing additions to primary school building.

DEL MONTE, Monterey Co., Cal.—Election will be held June 20 in Del Monte School District to vote bonds of $10,000 for school improvements. Trustees of the district are: Jno. L. D. Roberts, Mary B. Olmsted and J. E. Bentley.

AUBURN, Placer Co., Cal.—Bond election for $100,000 to finance high school additions failed to carry. Architects Jas. S. and Chas. Dean of Sacramento prepared preliminary plans.

FRESNO, Fresno Co., Cal.—Election will be held June 7 in Sierra Union High School District to vote bonds of $18,000 for school improvements. Trustees of the district are: R. E. Moncrief, H. M. Morgan, M. H. Yancey, C. S. Scott and W. E. Maxwell.

MONTEREY, Monterey Co., Cal.—Election will be held June 21 in Monterey Union High School District to vote bonds of $100,000 for school improvements. Trustees of the district are: Carmel Martin, Leroy D. Lacey, John Scudder Jr. and D. W. Rohrback. Norman R. Coulter, 46 Kearny St., San Francisco, and M. A. Dean of Pacific Grove, Associated, are the architects.

WOODLAND, Yolo Co., Cal.—Until June 5 bids will be received by the Supervisors for the purchase of $50,000 bond issue of Knights Landing School District; proceeds of sale to finance construction of new school.

EAST SAN DIEGO, Cal.—An election will be held June 20, to vote on a $250,000 bond issue for a municipal water system.

BAKERSFIELD, Kern Co., Cal.—Supervisors reject bids for purchase of $590,000 worth of county highway bonds. Bids were not offered at par value.

SANTA ROSA, Sonoma Co., Cal.—City Council sells $50,000 water works bond issue for premium of $2,654. Proceeds of sale will finance improvements of water works.

SAN MATEO, San Mateo Co., Cal.—City Trustees sell $14,000 bond issue to finance const. of 2 reinf. conc. bridges. G. S. Whitehead, city eng.

DINUBA, Tulare Co., Cal.—Voters authorized bonds as follows at recent election: $15,000 for purchase of fire apparatus; $20,000 to build city hall; $5000 for street cleaning apparatus; $35,000 to acquire city park.

CHURCHES

Contract Awarded.
CHURCH Cost, $47,702
VALLEJO, Solano Co., Cal. Carolina and Sonoma Sts.
Brick church.
Owner—First Baptist Church of Vallejo
Architects—E. C. Hemmings, Ochsner Bldg., Sacramento, and W. A. Jones of Vallejo.
Contractor—Frank Lamb, 740 Alabama St., Vallejo.

Plans Complete.
ALTERATION. Cost, $22,000
SAN FRANCISCO. SE 7th and Cleveland Sts.
Remodel church.
Owner—Greek Community Church.
Architect—J. H. Powers and John H. Ahnden, 460 Montgomery St., San Francisco.

MODESTO, Stanislaus Co., Cal.—First Methodist Episcopal Church will erect $125,000 edifice at the corner of 17th and J Sts., according to C. B. Sylvester, pastor. Auditorium will have seating capacity of 1200; gymnasium will be 55x100 ft., Sunday School rooms, etc. Funds are now being raised.

FACTORIES & WAREHOUSES

Sub-Contracts Awarded.
CLASS B BLDG. Cost, $314,700
SAN FRANCISCO. S Mission W Beale Street.
Five-story Class B building adjoining present building.
Owner—W. P. Fuller & Co., SW Beale and Mission Sts., San Francisco.
Architect—G. A. Applegarth, Claus Spreckels Bldg., San Francisco.
Contractor—R. McLeran & Co., Hearst Bldg., San Francisco.
Heating and Ventilating to Scott Co., 243 Minna St., San Francisco.
Plumbing to W. Forster Co., 670 Howard St., San Francisco.
Sheet Metal Work to Percy Sheet Metal Works, 340 Guerrero St., San Francisco.
Electrical Work to Globe Electric Co., 1959 Mission St., San Francisco.
Tile to Mangrum & Otter, 827 Mission St., San Francisco.
Lathing and Plastering to MacGruer & Simpson, 266 Tehama St., San Francisco.
Marble to Jos. Musto Sons-Keenan Co., 535 North Point St., San Francisco.
Sprinkler System to Independent Sprinkler Co.
Acoustics to Johns-Manville Co., 500 Post St., San Francisco.
Reinforcing Steel to Wetenhall Co., Atlas Bldg., San Francisco.
Mastic Flooring to Malott & Peterson, 2412 Harrison St., San Francisco.
Revolving Doors to Waterhouse-Wilcox, 523 Market St., San Francisco.

Contract Awarded.
WAREHOUSE. Cost, $25,000
HANFORD, Kings Co., Cal.
One-story brick warehouse.
Owner—California Packing Corporation, 101 California St., San Francisco.
Engineer—Phillip Bush, 101 California St., San Francisco.
Contractor—Carl Nelson, Hanford.

Plans Being Figured—Bids Close May 25, 1922, 11 a.m.
WHARF WORK. Cost, $——
SAN FRANCISCO. Waterfront.
Furnishing materials and constructing a section of bulkhead wharf in front of Pier No. 34, and for furnishing materials and constructing a timber depressed track along the south side of Pier No. 34, and making certain repairs on the existing Pier No. 34.
Owner—Board of State Harbor Commissioners.
Engineer—Frank White, Ferry Bldg., San Francisco.

Contract Awarded.
FACTORY Cost, $15,000
SAN FRANCISCO. SE Howard and Langton Sts.
Two-story concrete factory.
Owner—California Wood Carving Co., 144 8th St., San Francisco, Cal.
Architect—None.
Contractor—Mission Concrete Co., 517 New Call Bldg., San Francisco.

Mechanical Equipmt. Contract Awarded—Bids to Be Taken for Sprinkler System.
WAREHOUSE Cost, $——
SACRAMENTO, Cal. N L St between 6th and 7th Sts.
Five-story mil construction warehouse building 110x160.
Owner—Breuner Co.
Architect—Jas. S. and Chas. L. Dean, City Library Bldg., Sacramento.
General Contractors—Beth & Mabrey, Ochsner Bldg., Sacramento.
The plumbing, heating and electrical work has been awarded to Latourette-Fical Co., 2761 Sacramento Blvd., Sacramento, on their bid of $24,100.
Within the next two months bids will be called for on the sprinker system.

Figures to Be Taken This Week.
WAREHOUSE Cost, $15,000
SAN FRANCISCO. N Fell St. W Gough.
Two-story Class C warehouse.
Owner—Louis R. Lurie, Flatiron Bldg., San Francisco.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.

Plans Completed—To be Done by Day's Work.
LOFT BLDG. Cost, $100,000
SAN FRANCISCO Foot of Third St.
Seven-story reinforced concrete loft bldg., 55x137-6½ large elvators).
Owner—Withheld.
Architect — Henry Shermund, Hearst Bldg., San Francisco.

Plans Being Figured—Bids Close June 6, 10 A. M.
MACHINE SHOP BLDG. Cost, $——
MERCED, Merced Co., Cal. Blk. 38.
One-story hollow tile (steel roof trusses) garage and machine shop building.
Owner—Merced Irrigation District, W. D. Wagner, Secretary, Merced.
Architect—Ira W. Hoover, Planada.
See call for bids under official proposal section in this issue.

Figures to be Taken Shortly.
PACKING PLANT. Cost, $125,000
COLUSA, Colusa Co., Cal. Cooper's Second Extension.
One and one-half-story frame and brick packing plant.
Owner—California Prune & Apricot Growers, Market and San Antonio Sts., San Jose.
Architect—Engineering Dept. of Owner, San Jose.
NOTE:—Mr. Grubb of the Engineering & Construction Department, San Jose, will take bids for a general contract and also for segregated contracts

SAN DIEGO, Cal.—Harbor Commissioners have adopted resolution to construct a mole pier north of Broadway, to cost approximately $250,000, for which bonds were voted in 1919.

EL MONTE, Cal.—Union Oil Co. has purchased lot 200x300 ft., on west side of Tyler St., adjoining S. P. right-of-way on the north, and will expend $25,000 on a distributing system.

PORTLAND, Ore.—Hauser Constr. Co., 507 Henry Bldg., Portland, has been awarded contract by the Columbia Tire Co., Northwestern Bank Bldg., Portland, to construct two-story concrete and steel sash factory, 350x80 ft., in the Kenton District.

OXNARD, Cal.—Associated Oil Co. is planning to expend approximately $50,000 in making additions to its distributing system.

CALIFORNIA.—The Continental Petroleum Refining Co. of Coalinga has entered the wholesale business and will build branch plants and distributing centers in the San Joaquin Valley. Site has been purchased in Hanford on which will be erected a warehouse. Property has been purchased in Tulare, and early construction is expected.

VALLEJO, Solano Co., Cal.—According to an announcement of the Chamber of Commerce Industrial Committee, the following firms are seeking sites in Vallejo on which to locate factories: Panama Soap Co., San Diego; General Engines Co., Creosote Piling Co., Winslow Carburetor Co., National Ice Cream Co., San Francisco and Illinois Glass Company.

MARYSVILLE, Yuba Co., Cal.—The King Food Products Co. of Portland, Ore., contemplates the erection of a fruit and vegetable packing plant at Marysville. It is planned to have the plant in operation during the 1923 season.

LODI, San Joaquin Co., Cal.—The T. H. Peppers Co. has started construction of a packing shed at Main and Oak Sts., 55 by 135 feet, estimated cost, $45,000.

FIREHOUSES AND JAILS

OAKDALE, Stanislaus Co., Cal.—City Trustees reject bid of A. L. Palmtag to construct fire house. It is probable the work will be done by day labor.

FLATS

Plans Being Prepared.
FRAME FLATS Cost, $20,000
STOCKTON, San Joaquin Co., Cal. Sutter Street.
Two-story frame flat building (8 flats)
Owner—Withheld.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.

May 16, 1922

Plans Complete.
FLATS Cost, $10,000
OAKLAND, Cal. SW Miles Ave and Hardy St.
Two-story 13-room frame flats.
Owner—Andrew B. Gow, 5668 Ayala St., Oaklnd.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.

Plans Complete.
FLATS Cost, $10,000
SAN FRANCISCO. E Divisadero 165 N Union.
Two-story and basement frame (2) flats.
Owner—John Pennington, 2828 Folsom St. San Francisco.
Architect—W. L. Schmolle, 40 Montgomery St., San Francisco.

Contract Awarded.
FLATS Cost, $15,450
SAN FRANCISCO. S California 75 W Larkin.
Owner—J. B. Rusconi, 1422 California St., San Francisco.
Architect—None.
Contractor—V. Filippis, 1527 Powell St., San Francisco.

Contract Awarded.
FLATS Cost, $10,850
SAN FRANCISCO. E Twelfth Ave 225 N Anza St.
Two-story and basement frame (2) flats.
Owner—D. Elliott, 1276 Jones St., S. F.
Architect—E. A. Hermann, 89 Broadway, San Francisco.
Contractor — C. Lindberg, 257 Surrey St., San Francisco.

GARAGES

Plans Being Prepared.
GARAGE Cost, $——
SAN JOSE, Santa Clara Co., Cal.
Reinforced concrete garage 60x314.
Owner—Not given.
Architect—J. H. Powers and J. H. Ahnden, 460 Montgomery St., San Francisco.

GOVERNMENT WORK AND SUPPLIES

Plans Being Figured—Bids Close May 31, 1922, 11 A. M.
STOREHOUSE Cost, $——
SAN FRANCISCO, Cal. Letterman General Hospital.
One-story and basement reinforced concrete storehouse, 46x140.
Owner—U. S. Government.
Architect—Owners.
Separate bids will be received for each class of work. Plans may be obtained from the Constructing Quartermaster's Office at Fort Mason. **See call for bids under Official Proposals.**

SAN FRANCISCO.—Until May 22, 11 a.m., bids will be received by U. S. Engineer Office, 240 Montgomery St., under Order No. 3724, for furnishing and delivering in water at Sacramento or San Francisco f.o.b. cars, piles, 115 lengths 30-ft., 200 lengths 35-ft., 60 lengths 40-ft., 20 lengths 50-ft., 20 lengths 60-ft. To be Douglas fir for building wingdams and dolphins.

SAN FRANCISCO—Until May 31, 11 A. M., bids will be received by U. S. Engineer Office, 240 Montgomery St., under Order No. 3727, for furnishing and delivering Rio Vista, Solano County, Tachometers.

WASHINGTON, D. C.—de Waard & Cobham, Granger Bldg., San Diego, Calif., at $4890 awarded contract by the Bureau of Yards and Docks, Navy Dept., for altering operators' quarters at San Diego, under Specification 4592; time for completing, 60 days.

WASHINGTON, D. C.—Bureau of Supplies and Accounts, Navy Dept., will receive bids until June 6 for fur. and del. under Schedule 9609: for Mare Island and Puget Sound Navy Yards, 6000 ft. cast steel wire rope, plow steel wire rope and 3300 lbs. galv. seizing strand.

Separate bids, same date, under Schedule 9637 for fur. and del. Mare Island and Puget Sound Navy Yards: 22,513 paint brushes.

SAN FRANCISCO—Until May 24, 10 A. M., under Circular 22-66, bids will be received by Quartermaster Supply Officer, Fort Mason, for furnishing and delivering flat and round head brass screws; putty knives; varnish, metal polish; paints; machine bolts; packing, flashlight batteries; 300 lbs. fire clay, etc.

SEATTLE, Wash.—Until May 26, 2 p.m., bids will be rec. by Alaskan Engineering Comm., Bell St. Terminal, for fur. and del. under Req. SC-3643, 6 reflex water guages; 20 doz. coach lamp chimneys and 24 opal shades.

FORT MASON, Cal.—Bids were received on May 17 by the Constructing Quartermaster's office for constructing a hollow tile infirmary building at the Benicia Arsenal. Bids were forwarded to Washington with the recommendation to award the contracts to the lowest bidders.

General Contract

W. T. Wightman, Half Moon Bay $15,645
with deduction 13,758
(low bidder).
Union Const. Co., San Francisco. 15,945
Robert Trost, San Francisco... 16,419
West Coast Const. Co., S. F.... 17,629

(1) Plumbing and (2) Heating

Burnham Plumbing Co., 1220 Webster St., S. F., (1) $3230; (2) $1510 (low bidder).
Robert Trost, (1) $3100; (2) $1200
Union Const. Co., (1) $3500, (2) $1400.
W. T. Wightman, (1) $3565; (2) $1475.

(1) Electric Work and (2) Fixtures

Severin Electric Co., 185 Stevenson St., S. F., (1) $1800; (2) $150 (low bidder).
W. T. Wightman, (1) $1745; (2) $182.
Union Const. Co., (1) $1800; (2) ——.
M. E. Ryan, (1) $1990; (2) $280.
Robert Trost, (1) ——; (2) $280.

WASHINGTON, D. C.—Construction Department of U. S. Army has authorized extension to motor transport school at the Presidio of San Francisco, work to be done by purchase of materials and hire of labor.

HALLS AND SOCIETY BUILDINGS

Contractor Taking Sub-Figures on all Parts of the Work.
CLASS C BLDG. Cost, $[illegible]
SAN FRANCISCO. California St. near Polk Street.
Two-story Class C undertaking parlor.
Owner—Mission Undertaking Co.
Architect—Morrow & Garren, Chronicle Bldg., San Francisco.
Contractor—Yukicevich & Bagge, 180 Jessie St., San Francisco.

Sub-Figures Being Taken—Contracts Awarded.
GIRLS' HOME Cost, $220,000
SAN FRANCISCO. N McAllister Street W Jones Street.
Nine-story Class B girls' home building (territorial headquarters on 1st two floors and hotel above).
Owner—Salvation Army.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.
Contractor—Yukicevich & Bagge, 180 Jessie St., San Francisco.
The following sub-contracts have been awarded by the contractor.
Plumbing to J. J. McLeod, 1246 Golden Gate Avenue.
Painting to R. Zelinsky, 180 Jessie St.
Heating to Gilley-Schmidt Co., 198 Otis Street.
Electrical Work to Atlas Elec. Co., 185 Stevenson St.
Plastering to Francis O'Reilly, 180 Jessie St.
Grading, bids under advisement.
Figures are now being taken on the following sub-contracts: Composition flooring, roofing, glazing, elevators, reinforcing steel, partition tile, etc.

To be Done by Day's Work.
GRANDSTANDS
SAN FRANCISCO, Market Street, etc.
20 or more frame grandstands.
Owner—Mystic Shrine.
Architect—T. Paterson Ross, 310 California St., San Francisco.
In Charge of Construction—R. McLeran Co., Hearst Bldg., San Francisco.

Contract Awarded.
FRAT. BLDG. Cost, $——
BERKELEY, Alameda Co., Cal. Le Conte near Euclid Ave.
Two-story and attic frame and plaster building.
Owner—Theta Chi Fraternity.
Architect—W. R. Yelland, Perry Bldg., Oakland.
Contractor—E. F. Henderson, 2118 Shattuck Ave., Berkeley.

Segregated Figrues to Be Taken in Ten Days.
TEMPLE Cost, $200,000
BAKERSFIELD, Kern Co., Cal.
Three-story and basement reinforced concrete temple building.
Owner—Masonic Hall Association.
Architect — Carl Werner, Humboldt Bank Bldg., San Francisco.

Plans to be Prepared.
LODGE BLDG. Cost, $500,000
SACRAMENTO, Cal. Lot 3 in Block J. K. 8th and 9th Sts.
Class A lodge building, 80x160 (six stories or more).
Owner — Elks Lodge of Sacramento. Elks Bldg., Sacramento.
Architect—Not Selected.

CHICO, Butte Co., Cal.—Waterford, Stanislaus County, will probably be selected as the site for the proposed $200,000 Knights of Pythias home to be erected by that order this year, according to word from this city, where the fifty-third convention is in session. Delegates have accepted the report of the committee, headed by Frank Merriam, a Long Beach newspaperman.

HOSPITALS

REDDING, Shasta Co., Cal.—Until June 7, 11 a.m., bids will be received by S. N. Witherow, county clerk to furnish and deliver at county hospital: (1) 7500 ft. of O. P. or red fir vert. grain flooring, 4-in. by 1¼-in., 11-ft lengths, (2) for making certain repairs to county hospital. Plans on file in office of C. R. Wiegel, county surveyor.

REDDING, Shasta Co., Cal.—Until June 7, 2 p.m., bids will be received by S. N. Witherow, County Clerk, to improve county jail building and construct detention ward and ward for insane. Plans on file in office of county surveyor, C. R. Wiegel.

EUREKA, Humboldt Co., Cal.—Until June 13, 2 P. M., bids will be received by the Supervisors, Fred M. Kay, County Clerk, for furnishing one American Suction Dry Room Tumbler for Tubercular Hospital Laundry. Spec. on file in office of clerk.

OAKLAND, Cal.—Until June 12, 10 a.m., bids will be rec. by Geo. E. Gross, county clerk, for alterations and additions to one-story frame ward building at Alameda County Hospital. **See call for bids under official proposal section in this issue.**

RIVERSIDE, Riverside Co., Cal.—Archt. Myron Hunt, 1107 Hibernian Bldg., L. A., has been selected as archt. for the new community hospital bldgs. to be erected at 14th St. and Magnolia Ave., Riverside, for Riverside Community Hospital Assn. W. C. Tanner, Riverside, will be supervising archt. The contemplated bldgs. will cost about $250,000.

HOTELS

Plans Being Prepared.
HOTEL Cost, $——
SAN FRANCISCO. 49th Ave. and Cabrillo St., 300x100.
Four-story reinforced concrete hotel and garage, 100 rooms, tennis court, roof garden, etc.
Owner — Republic Engineering Co., 1040 Lake St., San Francisco.
Architect—Wm. Beasley.

Plans Being Prepared.
THEATRE, HOTEL Cost $1,250,000
SAN FRANCISCO. SE Market and 8th Sts.
10-story Class A hotel and theatre building 200x225 (400 rooms in hotel and 2500 seats in theatre).
Owner—A. F. Rousseau, 110 Sutter Sutter St., San Francisco.
Architect—Meyer & Johnson, Bankers Investment Bldg., San Francisco.
Construction will be started in about three months.

Contract Awarded.
HOTEL Cost, $160,000
LOS ANGELES, Cal. Kip and Ingraham Streets.
Four-story and basement brick hotel building, 71x120, (120 rooms, 65 bathrooms).
Owner—Mr. Snyder.
Architect & Contractor—L. T. Mayo, 531 Black Bldg., Los Angeles.

Plans Being Prepared.
HOTEL Cost, $——
SAN FRANCISCO. China Town.
Class C hotel building 25x137 (40 rooms and baths).
Owner—Not given.
Architect—J. H. Powers and J. H. Ahnden, 460 Montgomery St., San Francisco.

Plans Being Prepared.
ADDITION Cost, $30,000
SACRAMENTO, Cal. Tenth and K Sts.
Two-story addition to hotel.
Owner—Mrs. W. A. Gett. (Albert Bettens is manager of the hotel).
Architect—H. Raphael Lake, Balboa Bldg., San Francisco.

Plans Being Figured
HOTEL BLDG. Cost, $——
LOS ANGELES, Cal. McCadden Place and Hollywood Blvd.
Eight-story and basement Class A hotel building, 40x137.
Owner—H. H. Christie.
Architect—Arthur R. Kelly, Van Nuys Bldg., Los Angeles.
Figures are being taken for a general contract.

Segregated Figures Being Taken.
ALTERATIONS. Cost, $25,000
SAN FRANCISCO. NW Taylor and Eddy Sts.
Alter five-story fireproof hotel (alter stores, new store fronts, etc.)
Owner—Ritz Hotel.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

SAN LUIS OBISPO, Cal.—Tripoli Hotel Co. awards contract to San Luis Brick Co. to furnish 2,000,000 brick to be used in constructing new hotel buildings. Rosene-Sprager Construction Co., 226 Pacific Finance Bldg., Los Angeles, and San Luis Obispo, are the contractors. Geo. W. Eldredge and Thos. Jewell, 226 Pacific Finance Bldg., L. A., architects. $500,000.

POWER PLANTS

AUBURN, Placer Co., Cal. — The American River Water and Power Co. has been organized at Auburn, to supply power for commercial purposes, water for irrigation in western Placer County and eastern Sacramento County and to engage in the lumber business. Jas. E. Walsh, president of Placer County Bank, is president of the company. Directors are: J. E. Walsh, Jerome Barleau (engineer), Fred P. Tuttle Jr., all of Auburn, and J. F. Dudley of Newcastle and W. S. Grahan of Ukiah.

PLACERVILLE, El Dorado Co., Cal.—Edw. W. Heese, Mills Bldg., has been awarded contract by El Dorado Water Corp. to construct the Webber creek project. Propect involves the construction of a concrete dam, 110 ft. high, 300 ft. wide at crest, 1,000 ft. tunnels, 2,700 ft. flumes and syphons and 32,000 ft. ditches.

PUBLIC BUILDINGS

Commissioned to Prepare Plans.
HEALTH CENTER BLDG. Cost, $20,000
ALAMEDA, Alameda Co., Cal. Oak St. bet. Santa Clara and Central Aves.
One-story brick or hollow tile Health Center Building.
Owner—City of Alameda.
Architect — Carl Werner, Humboldt Bank Bldg., San Francisco.

Plans Being Figured—Bids Close June 12, 1922.
ALTERATIONS. Cost, $6000
SAN LEANDRO, Alameda Co., Cal. County Infirmary.
Alter Service Building.
Owner—Alameda County.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

EUREKA, Humboldt Co., Cal.—Until May 18, 5 P. M., bids will be received by A. Walter Kildale, City Clerk, for furnishing suply of fuel oil. Specifications on file in office of Clerk.

FRESNO, Fresno Co., Cal.—City Park Commissioners plan construction of $13,000 swimming pool in Roeding Park. Only one section will be constructed at this time, this being 50x150 ft. and costing $15,000.

PHOENIX, Ariz.—Fitzhugh and Bryon, Phoenix, are preparing plans for the $100,000 armory bldg. to be erected on N. 7th Ave. for National Guard of Arizona. Bids will be called for about June 15. Bldg. will contain drill floor and gymnasium, 90x135, four locker rms., store rms. for guard companies, officers' headquarters and club rms. for veterans' organizations, kitchen, etc.

A. E. Leitch Fred Clark

CLARK & LEITCH ROOFING CO.

Successors to E. S. Warner

Office and Warehouse:

1116 SECOND ST., SACRAMENTO

Phone Main 726

LOS ANGELES, Cal.—The L. A. Board of Supervisors has decided to submit to voters at August primaries the proposition of issuing bonds in the sum of $9,000,000 for new bldgs. at various county institutions. The principal improvements contemplated are: $2,000,000 for the new Hall of Justice bldg; $3,590,000 for improvements at county hospital; $750,000 for additional bldgs. at Olive View Sanitarium; and $1,365,000 for improvements at the county farm.

ALAMEDA, Cal.—The Mission Concrete Co., 407 Call Bldg., San Francisco, have been awarded a contract by the City of Alameda for the construction of a comfort station in Washington Park. Wm. E. Varcoe is city clerk. Only two bids were received, as follows:
Mission Concrete Co., S. F.....$2600
Fred Moller, S. F. 2875

PALO ALTO, Cal.—The Palo Alto Engineering & Construction Co., 538 Emerson St., Palo Alto, submitted the lowest bid and were awarded the contract for the construction of an addition to the City Hall of Palo Alto. Their bid was for $18,887. Plans were prepared by City Engineer J. F. Byxbee. The following other firms submitted bids: Barrett & Hilp, John Morton and Louis Cohn of San Francisco and W. G. McGinty & Son of Oakland.

OAKLAND, Cal.—The following bids were received on May 15 by the Alameda County Supervisors for the construction of two one-story hollow tile buildings (power house and laundry building) to be erected at the County Infirmary near San Leandro. Plans were prepared by Architect Henry H. Meyers, Kohl Bldg., San Francisco. The contract was awarded to M. Hopper & Son:
M. Hopper & Son, Oakland....$122,545
W. G. Thornally, Oakland.... 124,900
E. T. Leiter & Son, Oakland.... 129,837
Schulter & McDonald, Oakland 129,733
W. G. McGinty & Son, Oakland 130,825
F. W. Maurice, Oakland..... 133,400
H. C. Vensano Co., San Francisco 137,650

RESIDENCES

Plans Completed.
DWELLING Cost, $10,500
SACRAMENTO, Cal. No. 1128 45th St.
Two-story 8-room dwelling.
Owner—Grace A. Coffing, 1517 24th St., Sacramento.

Plans Being Figured.
RESIDENCE Cost, $10,000
PIEDMONT, Alameda Co., Cal.
Two-story frame and plaster residence and separate garage (8 rooms).
Owner—Christian Holtum, Piedmont.
Architect—J. C. Thayer, Sheldon Bldg., San Francisco.
Figures are being taken for a general contract.

Contract Awarded.
RESIDENCE Cost, Approx. $12,000
BERKELEY, Alameda Co., Cal. Tunnel Road.
Two-story frame and plaster residence (8 rooms).
Owner — H. H. Farley, 3148 College Ave., Berkeley.
Architect—W. H. Ratcliff Jr., First National Bank Bldg., Berkeley.
Contractor—H. M. Barnett, 691 Wesley Ave., Oakland.

To Be Done by Day's Work.
RESIDENCES. Cost, $6000 to $9000
SAN FRANCISCO. SE 44th Ave and Anza St.
Twelve 1-story and basement frame residences.
Owner—John Biller.
Architect—J. H. Powers and J. H. Ahnden, 460 Montgomery St., San Francisco.

Contract Awarded
RESIDENCE Cost, $10,000
BERKELEY, Alameda Co., Cal. No. 211 Hillcrest Road.
Two-story frame 8-room residence.
Owner—E. Detrick.
Architect—None.
Contractor—E. F. Henderson, 5744 Keith Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, $10,000
OAKLAND, Cal. E Mandana Blvd. 300 S Ashmont.
Two-story frame 8-room residence.
Owner—L. Saroni, 806 Howard St. San Francisco.
Architect—None.
Contractor—C. P. Pond, 1163 Ashmont Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, $18,500
SAN FRANCISCO. St. Francis and Santa Ana Boulevards.
Two-story frame and plaster residence.
Owner—S H. Barbour, 1090 Pine St.
Architect—H. H. Gutterson, 278 Post St., San Francisco.
Contractors—Moore & Madsen, 77 O'Farrell St., San Francisco.

To Be Done By Day's Work.
17 DWELLINGS. Cost, $3750 each
OAKLAND, Cal. 2907 to 3101 Rawson Ave, 2801 Best Ave, 2815, 2821 and 2845 Madera Ave, 2800 Monticello Ave, etc.
Fifteen One-story 5-room frame dwellings.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.

Contract Awarded.
15 BUNGALOWS Cost, $5000 ea.
SAN FRANCISCO. Various locations.
Fifteen 1-story frame 5-room bungalows.
Various owners, financed by O'Brien Bros.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—Fred Warden, 68 Concord St., San Francisco.

Plans Being Prepared—To Be Done by Day's Work.
22 RESIDENCES Cost, $100,000
SAN FRANCISCO. 23rd Ave. and J St.
Twenty-two 2-story frame residences (6 to 8 rooms each), plaster and rustic exteriors.
Owner—L. D. Allen & Co., Inc. Monadnock Bldg., San Francisco.
Architect—J. W Dolliver, Monadnock Bldg., San Francisco.

Plans Readly for Figures.
RESIDENCE, Cost, $13,000
SAN FRANCISCO. St. Francis Wood on Santa Clara Ave. near St. Francis Blvd.
Two-story frame residence.
Owner—Wm. A. Garlick.
Architect—Smith O'Brien, 742 Market St., San Francisco.

RESIDENCE Cost, $——
SAN FRANCISCO. Divisadero and Union Streets.
Frame residence.
Owner—Withheld.
Supervising Architect — August G. Headman, Call Bldg., San Francisco

Figures to be Taken Next Week.
RESIDENCE Cost, $15,000
BERKELEY, Cal. Claremont District.
Two-story and basement frame residence
Owner—Sumner Clement
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.

TURLOCK, Stanislaus Co., Cal.—D. J. Walten of this city heads a company which will construct residence buildings costing $40,000 in the North Broadway Terrace Addition. Each building will cost approximately $2500.

SCHOOLS

Contract Awarded.
ADDITION Cost, $55,442
STOCKTON, San Joaquin Co., Cal
Ten room brick, concrete and frame addition to Jackson School
Owner—City of Stockton Board of Education.
Architects—Wright & Satterlee, Bank of Italy Bldg., Stockton.
Contractor—R. W. Moller, Call Bldg., San Francisco.
Heating and Ventilating awarded to E. L Gnekow, 643 E-Main St., Stockton, at $9516.

Plans Being Figured—Bids Close June 5, 1922, 8 P. M.
SCHOOL Cost, $260,000
NAPA, Napa Co., Cal.
Reinforced concrete high school building.
Owner—Napa Union High School Dist.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
See call for bids under official proposal section in this issue.

Contract Awarded.
SCHOOL Cost, $75,000
DELANO, Kern Co., Cal.
Brick school building.
Owner—Delano School District.
Architect—None.
Contractor—Noble & Toothacre, Visalia

Contract Awarded.
SCHOOL Cost, $20,172
MADERA COUNTY, Cal. Ripperdan School District.
One-story brick and concrete school (4 rooms).
Owner—Ripperdan School District.
Architect—Ernest J. Kump, Rowell Bldg., Fresno.
Contractor—L. Cereghino & Son, 180 Jessie St., San Francisco.
Other bids were received as follows:
Harvey E. Miller.....$20,918
Fisher & McNulty 21,851
R. Pedersen Co., Fresno..... 20,600
J. B. Hart 20,496

Plans Being Prepared.
SCHOOL Cost, $75,000
VACAVILLE, Solano Co., Cal.
One-story hollow tile school building (about 8 rooms).
Owner—Vaca Valley School District.
Architect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
An election will be held on May 22 to vote the bonds.

Bids to Be Called for This Week.
SCHOOL Cost, $40,000
RIO LINDA, Sacramento Co., Cal.
One-story hollow tile addition to school (3 rooms and an auditorium).
Owner—Rio Linda School District.
Architect — Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
Segregated bids will be taken.

Plans Being Figured—Bids Close June 5, 1922, 8 P. M.
SCHOOL BLDGS. Cost, $125,000 each
SANTA MONICA, Los Angeles Co., Cal. McKinley and Central Ave. School Sites.
Two brick school buildings (13 rooms each).
Owner—Santa Monica City School Dist.
Architect—Allison & Allison, 1405 Hibernian Bldg., Los Angeles.

Plans Being Figured—Bids Close June 7, 1922, 7:30 P. M.
GYMNASIUM, ETC. Cost, $——
PORTERVILLE, Tulare Co., Cal.
Gymnasium and shop buildings.
Owner—Porterville Union High School District (Jay G. Brown, Clerk).
Architects — Coates & Traver, Rowell Bldg., Fresno.

Plans Being Prepared.
SCHOOL Cost, $85,000
BERKELEY, Alameda Co., Cal Cor Kittridge St. and Harold Way
Two-story reinforced concrete school building.
Owner—Armstrong School for Private Secretaries.
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.

Plans Being Figured—Bids Close June 3, 1922, 2 P M
SCHOOL Cost, $400,000
REDWOOD CITY, San Mateo Co., Cal State Highway and Broadway
Three one-story reinforced concrete and frame school buildings (main building, auditorium and gymnasium)
Owner—Sequoia Union High School District.
Architects—Carl Werner & A. I. Coffey, Humboldt Bank Bldg., San Francisco.
Figures are being taken for segregated contracts. **See call for bids under Official Proposals.**

Plans Being Figured—Bids Close June 3, 1922, 10 A. M.
MANUAL ARTS BLDG. Cost, $20,000
WILLOWS, Glenn Co., Cal.
One-story reinforced concrete manual arts building.
Owner—Glenn County High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Figures are being taken for a general contract. Plans may be obtained from the architect's office.

Bids to be Advertised For Next Week.
SCHOOL Cost, $63,000
BERKELEY, Alameda Co., Cal. Longfellow School Site.
Two-story brick school (7 rooms)
Owner—Berkeley Board of Education.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Plans will be submitted next Tuesday for final approval and if approved bids will be called for immediately.

TURLOCK, Stanislaus Co., Cal.—Until May 26, 5 p.m., bids will be received by Chas. V. Lundahl, clerk Turlock School District, to furnish and install extra heating plant in Hawthorne Grammar School. Leland and Haley, engineers, 58 Sutter St., San Francisco. **See call for bids under official proposal section in this issue.**

SAN JOSE, Santa Clara Co., Cal.—Until May 29, 8 P. M., bids will be received by the Trustees of Cupertino Union School District for two frame additions to present buildings. Chas. S. McKenzie, Bank of San Jose Bldg., San Jose, Architect. **See call for bids under official proposal section in this issue.**

VALLEJO, Solano Co., Cal.—Until May 31, 8 P. M., bids will be received by Elmer L. Cave, Secretary, Board of Education, 2 Masonic Bldg., for furnishing and delivering school supplies, apparatus, etc. Specifications will be furnished on request.

BAKERSFIELD, Kern Co., Cal.—The Board of Education rejects bids received to construct a two-room addition to the McKinley school. New bids will be asked. Chas. H. Biggar, First National Bank Bldg., Bakersfield, Architect.

SANTA ROSA, Sonoma Co., Cal.—J. P. Christensen, Forestville, Calif., at $6,200 submits low bid to Architect W. Herbert, City Hall, Santa Rosa, to construct two-room frame school for Canfield School District. Other bids: Ole Kolen, Sebastopol, $6387; D. Downie, Sebastopol, $6221; J. W. Meeker, Santa Rosa, $6130. Contract will be awarded low bidder.

BAKERSFIELD, Kern Co., Cal.—Henry Elssler, Bakersfield, at $32,500 awarded contract by Board of Education to construct four-room addition to Hawthorne School. Currie and Dulgar, Bakersfield, at $40,300 awarded contract for 7-room addition to Lincoln School. Plans prepared by Architect Chas. H Biggar, First Natl Bank Bldg., Bakersfield.

LOS ANGELES, Cal.—Chas. S. McCully, 1540 Orange St., was lowest bidder at $50,040 on general contr. for four 2-rm. school bldgs. at Hyde Park for Hyde Park School District. G. A. Howard Jr., 820 Story Bldg., L. A., architect. The bids were: Heating: Williams Radiator Co., $1746, Pemberton Htg. Co., $2709. Sheet Metal Work: T. F. Bazzeni, $601. Plumbing: Andrew Aitken, $3536; Baldwin & Paramore, $5510. Clocks and Bells: E. H. Abbott, $1060. Electric Work: Aylesworth Electric Co., $700, Baldwin & Paramore, $788. Painting: E. H. Hansen, $1825 and D. Zelinsky & Son, $2100. Bids were taken under advisement. The bldgs. will be of hollow tile const., plas. exter., clay tile rfg., pine trim.

VENICE, L. A. Co., Cal.—Archts. Russell & Alpaugh, 1160 Story Bldg., L. A., are preparing plans for new bldgs. at Venice High School site. Work will include a new junior high school bldg., 2-sto., 210x175 ft., 30 rms.; new study hall, 30x45 ft.; alterations to gymnasium, finishing 3rd sto. of administration bldg. for art studio and art classrms.; and addition of a 2nd story to mechanical arts bldg. Brick const., ruff. brick facing, clay tile rfg., pine trim, maple flls., steam htg.; $350,000.

RICHMOND, Contra Costa Co., Cal.—Until June 5, 7:30 p.m., bids will be rec. by W. T. Helms, secty. Board of Education, for fur. and del. for use in High School, furniture, lockers, apparatus, chemicals, hardware, machinery and general school supplies. Spec. will be furnish on request.

RICHMOND, Contra Costa Co., Cal.—Until May 31, 7:30 p.m., bids will be rec. by W. T. Helms, secty. Board of Education, for fur. and del. furniture, hardware and general school supplies. Spec. will be furnished on request.

SAN FRANCISCO.—Folowing bids received by Board of Public Works May 17 for school construction:

PACIFIC HEIGHTS SCHOOL

General Construction

O. Monson, 251 Kearny St. (low)	$163,345
Louis J. Cohn	186,480
Lange & Bergstrom	199,900
Alfred Vogt	207,343
Robert Trost	193,480
Jas. L. McLaughlin	205,000
C. L. Wold	178,777
Hannah Bros.	196,500
Anderson & Ringrose	188,363
Clinton Construction Co.	186,632

Electric Work

Butte Elec. & Equip. Co., 530 Folsom (low)	$8430
M. E. Ryan	9500
Turner Co.	9226
L. Flatland	9450
F. E. Newbery Co.	9000
Watts Elec. Co.	9800
Standard Elec. Const. Co.	9500

Lathing and Plastering

Jas. F. Smith, 273 Minna St (low)	$44,800
J. Grunback	44,976
A. Knowles	50,600
Peter Bradley	51,000

Heating and Ventilating

P. J. Enright, 2720 McAllister (low)	$13,810
A. Lettich	17,175
J. O'Mara	14,900
Jas. H. Pinkerton Co.	14,617
Scott Co.	13,860

Plumbing

Jas. H. Pinkerton Co., 927 Howard St. (low)	$16,921
A. Lettich	17,586

TEMPORARY SCHOOL BUILDINGS

For Mission High

P. J. Lynch and J. A. Bryan, 180 Jessie St. (low)	$53,850
O. Monson	62,323
I. M. Sommers Co.	72,815
P. F. Reilly	58,800
John Morton	66,465
Anderson & Ringrose	60,000

Roofing—Mission High

Gladding McBean Co., Crocker Bldg., (low)	$6135
Firestone & Roofing Co.	6300
United Materials Co.	6499
Bender Roofing Co.	6939

SAN FRANCISC.—Until May 31, 3 p.m., bids will be received by Board of Public Works to construct Andrew Jackson School. Reinforced concrete construction, in south side of Grove St., bet. Clayton and Cole Sts. Bids are wanted for general construction. Est. cost $115,000; heating and ventilating, $8000; plumbing, $9000, and electrical work, $8000. Plans may be had from Bureau of Architecture, 3rd floor, City Hall.

HAYWARD, Alameda Co., Cal.—The Board of Trustees of the Hayward Union High School District received the following bids on May 15 for a two-room addition and alterations to the High School. Plans were prepared by Architect Henry C. Smith, Humboldt Bank Bldg., San Francisco. Ruegg Bros., Pacific Bldg., San Francisco were awarded general contract, and James A. Nelson, 517 6th St., San Francisco, the heating contract.

General Contract

Ruegg Bros., San Francisco	$7424
Thos. Broderick	7742
Menson Bros., San Francisco	7800
Jas. Keegan	8300

Heating

Jas. A. Nelson, San Francisco	$ 937
C. Peterson Co., San Francisco	1065

Bids Under Advisement Until May 16.

SCHOOL Cost, $——

PARLIER, Fresno Co., Cal.

Two-story brick school.

Owner—Parlier School District.

Architect—Swartz & Ryland, Rowell Bldg., Fresno.

Low Bidder—Brown & Stafford, Madera, Cal.

Complete list of bids follow: Brown & Stafford, Madera; $110,810; Martin Construction Co., Fresno, $113,000; W. J. Ochs, Fresno, $113,333; Collman & Spiedel, San Francisco, $113,572; Fredrickson & Shannon, Fresno, $114,285; Balkelew & Gould, Tulare, $114,330; Ceveghino & Son, Fresno and San Francisco, $116,565; Fred Stone, Fresno, $115,000; R. McLaren & Co., San Francisco, $120,700.

LODI, San Joaquin Co., Cal.—Bids were opened on May 15th, by the Board of Trustees of the Lodi Grammar School District for the construction of a one-story hollaw tile school building from plans prepared by Architect George C. Sellon & Co., Mitau Bldg., Sacramento.

Masonry and Carpenter Work

Jos. Chirhart, 523 S-San Joaquin St., Stockton	$55,307
Wm. C. Keating, Sacramento	55,555
Earle Hibbard	57,445
Knudsen, et al, Sacramento	58,800
Jas L. McLaughlin, S. F.	59,950
H. W. Robertson	57,756

Plastering

Thos. Scollan, Sacramento	$5740

Painting

D. E. Burgess	$1944
Kidder Bros.	2425
R. Zelinsky S. F.	3154
Chas. L. Hale	3550

Roofing

Simpson-Gray Lumber Co., Stockton	$ 8 846
Richmond Roofing Co. Richmond	10,883
F. P. Sexton & Co., Stockton	11,850

Plumbing

Scott Co., S. F. and Oakland	$4574
Anderson Bros. Co.	5935

Heating

Scott Co.	$3966
Anderson Bros. Co.	4600

Sheet Metal Work

Jas. L. McLaughlin	$3500
Anderson Bros. Co.	1046

Electrical Work

Electric Equipment Co.	$1296.69
Mixer Electric Co.	1449.00

Complete Mechanical Equipment

Latourrette-Fical Co., Sacto	$10,790

STOCKTON, San Joaquin Co., Cal.—The Board of Education of the City of Stockton received the following bids on May 17th for the construction of a concrete, brick and frame auditorium building from plans prepared by Architect Louis S. Stone, Belding Bldg., Stockton. Bids were taken for the general contract, including all work except the heating and ventilating system for which bids will be taken later when funds are available. All bids were taken under advisement.

Shepherd & Riley, Yosemite Bldg., Stockton	$68,477
Davison & Nicolsen, S. F.	74,400
R. W. Moller, S. F.	77,962
Schutes & Zinck, Stockton	78,200
C. E. Vickory, Stockton	78,245
W. G. Reed, Stockton	78,447
Dan R. Wagner, S. F.	100,556

STOCKTON, San Joaquin Co., Cal.—The Stockton Board of Education has awarded contracts for the construction of a two-story concrete, brick and frame school building to be known as the "Victory School" from plans prepared by Architects Losekann & Clowdsley, Elks' Bldg., Stockton. It will contain sixteen classrooms, kindergarten and sewing room. The contract for the heating and ventilating for the El Dorado School was also awarded.

General Contract for Victory School awarded to O. H. Chain, Farmers and Merchants Bank Bldg., Stockton on his bid of $136,713.

Heating and ventilating for Victory School to Latourrette-Fical Co., 2761 Sacramento Bldg., Sacramento, $19,900.

Heating and ventilating for El Dorado School to Miller-Hays Co., 125 N-California St., Stockton, $6423.

STOCKTON, San Joaquin Co., Cal.—The Board of Education of the City of Stockton received the following bids on May 12th for the construction of a two-story brick, concrete and frame school building to be known as the "Victory School." It will contain sixteen rooms, kindergarten and sewing room. Plans were prepared by Architects Losekann & Clowdsley, Elks' Bldg., Stockton. Bids were also opened for the heating system for the El Dorado School for which Frank Mayo is the architect. All bids were taken under advisement.

General Contract

O. H. Chain, Farmers & Merchants Bk. Bldg. Stockton	$136,713
William Reed, Stockton	138,356
Brown & Stafford, Madera	139,000
A. T. Vickory, Stockton	140,135
Shepherd & Riley, Stockton	140,512
L. S. Peletz, Stockton	140,967
Schultz & Zinck, Stockton	149,600
R. W. Moller, S. F.	148,772
Sample & Cody	188,670

Heating and Ventilating

Latourrette-Fical Co., 2761 Sacramento Blvd., Sacramento	$19,900
Miller-Hays Co., Stockton	20,500
Stockton Plumbing Suply Co., Stockton	21,588
E. L. Gnekow, Stockton	21,930
Pahl & Harry, Stockton	23,697
F. P. Sexton & Co., Stockton	23,950
Scott Co., Oakland	25,38[illegible]

Heating and Ventilating El Dorado School

Miller-Hays Co., 125 N-California St., Stockton	$6,423
Stockton Plumbing Supply Co., Stockton	6,710
E. L. Gnekow	6,825
Latourrette-Fical Co.	7,378

LOS ANGELES, Cal.—H. H. Hinds, 351 S. Hoover St., L. A., was low bidder at $56,975 on the gen. contr. for erecting a new bldg. at Berendo Junior High School site; John P. Krempel and Walter E. Erkes, Bradbury Bldg., L. A., archts. The low bidders on other contracts were: Newbery Electric Corp. on wiring at $1597; H. H. Mann on painting at $2112; Commercial Plumbers on heating at $4910; W. S. Goodrich on plumbing at $5288. Two-story and basement, 179x40 ft., 10 class rms., lavatories, boiler rm., locker rms.; brick const., plas. exter., comp. rfg., pine trim, maple fls.

LOS ANGELES, Cal.—Hubert-Wardall Constr. Co., 1210 W. 68th St., L. A., was low bidder at $64,396 on the gen. contr. for erecting new library bldg. at Franklin High School site; Jeffery & Schaefer, 1106 Kerchoff Bldg., archts. Low bidders on other contracts were: D. Zelinsky on the painting at $2700; and Prewitt Electric Co. on wiring at $1474. Two-story, 65x145 ft., 11 rms., brick const., stucco exter., comp. rfg., pine trim, maple fls.

SAN FRANCISCO.—O. Monson, low bidder at $163,345, for general construction of Pacific Heights School, allowed by Board of Public Works to withdraw bid, due to mistake. Contract for general construction awarded to C. L. Wold, 185 Stevenson St., at $178,000; electric work to Butte Elec. and Equipment Co., $8430; heating and ventilating to P. J. Enright, $13,810; plumbing to Jas. H. Pinkerton, $16,921; metal furring, lathing, plaster,

ing and cast cement work to Jas. F. Smith at $44,800.

Claiming mistake, P. J. Lynch and A. J. Bryant, low bidders at $53,850, allowed to withdraw bid to construct temporary school buildings for Mission High School at 18th and Dolores Sts. Contract awarded to P. F. Reilly, 180 Jessie St., at $58,000.

LOS ANGELES, Cal.—Until 9 a.m., June 7, bids will be rec. by the Board of Educaation for erecting new school buildings as follows:

For new school bldg. at Logan St. school site, 1411 Logan St.; Harlow M. Kimball, archt Bids will be taken separately on general work, plumbing, heating, painting and electrical work. Ten rooms, 2-story, 96x118 ft., brick constr., cast stone or terra cotta trim, comp, rfg., pine trim, maple fls.; $75,000.

For erecting second unit of mechanical arts bldg. at Lincoln High School site, 3625 N. Broadway; plans by architectural dept. of Board of Education. Bids will be taken separately for general contract, plumbing, heating and painting. Two-story, 107x137 ft., steel frame, metal lath and plas. and concr. walls, comp. rfg., steel sash, metal skylights, wood fls.; $50,000.

For an addition to the Soto St. school bldg., 1020 S. Soto St.; plans by architectural department of Board of Education. Bids will be taken separately on general contract, plumbing, heating and painting.

Plans and spec. for above work may be obtained at secty.'s office, 730 Security Bldg., L. A.

STORES AND OFFICES

Plans to Be Prepared.
BRICK BLDG. Cost, $——
SAN FRANCISCO. SE Howard St. 325 E 5th St.
One-story brick building.
Owner—A. J. Pahl, 37 Stevenson St.
Architect—Not selected.

Completing Plans—Ready for Figures in About Two Weeks.
OFFICE BLDG. Cost, $250,000
SAN FRANCISCO. N Market W of Sansome adjoining Patrick Bldg. and running through to Sutter St.
Seven-story reinforced concrete office building.
Owner—Providence Securities Co.
Architects—Willis Polk & Co., Hobart Bldg., San Francisco.

Plans Being Prepared.
STORE Cost, $——
PALO ALTO, Santa Clara Co., Cal.
Large store building with arcade front.
Owner—Not given.
Architect—J. H. Powers and J. H. Ahnden, 460 Montgomery St., San Francisco.

Contracts Awarded.
STORE AND LOFT Cost, $——
SAN FRANCISCO. N Market, second lot east of Hobart Bldg.
Two-story and basement reinforced concrete Class C store and loft building.
Owner—Providence Securities Co.
Architect—Willis Polk & Co., Hobart Bldg., San Francisco.
General Contract to Farrell & Reed, 180 Jessie St.
Plumbing to Wm. F. Wilson, 328 Mason St.
Electrical Work to Central Electric Co., 185 Stevenson St.
Heating and Elevator bids still under advisement.

Contract Awarded.
ALTERATIONS Cost, $5465
SAN FRANCISCO. 1017 Market St.
New show windows and mezzanine floor.
Owner—Eastern Outfitting Co., premises.
Designer—H. P. Vollmer, Flood Bldg.
Contractor—The Fink & Schindler Co., 218 13th St., San Francisco.

Plans Being Prepared
SHOP BLDG. Cost, $20,000
SAN FRANCISCO Folsom and 14th Sts.
Reinforced concrete machine shop building.
Owner—E. T. Meakin.
Architect—J. H. Powers and John H. Ahnden, 460 Montgomery St., San Francisco.

Contract Awarded.
STORE Cost, $21,750
SAN FRANCISCO. E Mission 235 S 25th St.
Three-story frame store and apartment building (8 apartments).
Owner—Dr. Thos. I. Janes, 1531 Sutter St., San Francisco.
Architect—Frank S. Holland, 1629 Folsom St., San Francisco.
Contractor—Fred Warden, 240 Montgomery St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $18,000
SAN FRANCISCO. 50 and 52 Market St.
Construct new front, tile flooring, erect marquise etc., for restaurant and alter drug store.
Owner—Jas. Hoyle and Wakelee Drug Co., premises.
Architect—None.
Contractor—Thos. S. Hoin, 1739 Washington St., San Francisco.

Architects to Take Sub-Figures on Portions of the Work.
ADDITION Cost, $40,000
SAN FRANCISCO. N W Embarcadero and Jackson St.
Three-story and basement reinforced concrete additon to present building for offices, garage and lofts.
Owner — Wellman-Peck Co., 311 Embarcadero, San Francisco.
Architect—J. E. Krafft & Sons, Phelan Bldg., San Francisco.
Contractor—Hannah Bros., 142 Sansome St., San Francisco.

Segregated Sub-Figures Being Taken.
STORE Cost, $15,000
SAN FRANCISCO. S Minna bet. 3rd and 4th Sts.
Two-story and basement Class C brick and concrete store and loft building.
Owner—D. J. O'Neil.
Architect—J. E. Kraft & Son, Phelan Bldg., San Francisco.

Plans Being Figured—Bids Close May 22, 1922.
RESTAURANT BLDG. Cost, $——
SANTA ROSA, Sonoma Co., Cal. Exchange Ave.
Two-story concrete restaurant (designed for five stories).
Owner—O. F. Leppo and J. W. Churchman.
Lessee—Geo. Edwards.
Architect—Reese & Kuykendall, 1438 McDonald St., Santa Rosa.

Mr. Edwards wil spend about $12,000 on the interior fittings and decorations of the restaurant.

Plans may be obtained at the Builders' Exchange, Santa Rosa, Cal. Call at Room 17, Exchange Bank Bldg., Santa Rosa.

Plans Being Prepared.
ALTERATIONS Cost, $——
SAN FRANCISCO. Market and Seventh Streets.
Alter building.
Owner—Withheld.
Supervising Architect — August G. Headman, Call Bldg., San Francisco

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Plans Being Prepared.
ALTERATIONS Cost, $——
SAN FRANCISCO. Bush and Montgomery Sts.
Extensive alterations to building.
Owner—Withheld.
Supervising Architect — August G. Headman, Call Bldg., San Francisco

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Permit Applied For.
OFFICE BLDG. Cost, $175,000
OAKLAND. NE 19th St. and Broadway.
Four-story reinforced concrete market and office building.
Owner—E. N. Tapscott, First Savings Bank Bldg., Oakland.
Architect — Reed & Corlett, 1206 Broadway, Oakland.
Contractor—MacDonald & Kahn, 130 Montgomery St., San Francisco.

Plans Being Prepared.
STORES, ETC. Cost, $——
SAN FRANCISCO. Geary and Larkin Streets.
Fireproof dance hall and store bldg.
Owner—Withheld.
Supervising Architect — August G. Headman, Call Bldg., San Francisco

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Plans Being Prepared.
STORES Cost, $12,000
SAN FRANCISCO. Ellis St. near Taylor.
One-story reinforced concrete (2) stores.
Owner—Not given.
Architect—J. W. Dolliver, Monadnock Bldg., San Francisco.

Contract Awarded.
OFFICE BLDG. Cost, $——
SAN JOSE, Santa Clara Co., Cal. South First St.
One-story reinforced concrete and terra cotta office building.
Owner—Mutual Building & Loan Co.
Architect—Binder & Curtis, 255½ S. 1st St., San Jose.
Contractor—R. O. Summers, 17 N. 1st St., San Jose.

General Contract Awarded.
STORE BUILDING Cost, $25,0000
SAN FRANCISCO. NE Clement St. and Eleventh Avenue.
One-story and mezzanine reinforced concrete store building.
Owner—Welisch & Blum.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

The Mission Concrete Co., Call Bldg., have been awarded the contract for excavating, concrete, carpenter, mill work and plumbing at approximately $11,000. Other contracts will be awarded shortly.

Plans Being Figured
ALTERATIONS Cost, $6,500
SAN FRANCISCO. NW Geary and Larkin Streets.
Remodel stores.
Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Contracts Awarded.
STORE BLDGS. Cost, $10,060 and $9,101 respectively.
MT. VIEW, Santa Clara Co., Cal.
Two one-story reinforced concrete and frame store buildings.
Owner—C. H. Segur and S. McCormack, Mountain View.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—Carl Lindholm, Mt. View.

SAN FRANCISCO.—Samuel Schell, contractor, 180 Jessie St., has purchased a lot 135x165 ft. at 10th and Howard Sts., and plans to improve it with a two-story building.

SAN FRANCISCO. — The Crocker Estate Co., Crocker Bldg., has purchased the property on the north side of Market St. bet. the Chronicle Bldg. and the present Crocker holdings, having a frontage of 116 ft. The estate now has a frontage on Market St. of 157 ft. Improvements on the property are contemplated, the exact nature of which are yet to be determined. Chas. E. Green is secretary of the Crocker Estate.

THEATRES

Plans Being Revised.
THEATRE Cost, $200,00
HAYWARD, Alameda Co., Cal. Castro Street.
Three-story reinforced concrete motion picture theatre and hotel.
Owner—Chas. W. Heyer.
Architect — Henry M. Meyers, Kohl Bldg., San Francisco.
Contractor—C. W. Heyer, Mills Bldgs., San Francisco

NOTE—Plans are being revised to enlarge the building from a one-story theatre into a hotel and theatre.

Steel contract awarded to S. S. Herrick Co., foot of Adeline St., Oakland.

Official Proposals

NOTICE TO CONTRACTORS

(School Heating Plant)

Notice is hereby given that sealed bids will be received and opened by the Board of Trustees of the Turlock School District of Stanislaus County, California, **up to five (5) o'clock P. M., on the 26th day of May, 1922,** at the office of the Clerk of the Board of Trustees of said School District, at 101 West Main Street, City of Turlock, for the furnishing and installing of an extra heating plant for the Hawthorne Grammar School in the above-named District in accordance with plans and specifications heretofore made by Leland & Haley, Engineers, 58 Sutter St., San Francisco, California. Plans and specifications can be seen at the office of C. V. Lundahl, Clerk of said Board of Trustees, or at the office of said engineers. All bids must be made on the blank forms furnished by said Clerk, and must be accompanied by a check for not less than five per cent (5%) of the amount bid, payable to C. V. Lundahl, Clerk of said Board, and certified to by some responsible banking house. This check is to be forfeited in the event that the successful bidder, after having been awarded the contract, fails, within ten (10) days, to sign the contract and furnish a good and sufficient bond as required by law.

Said Board reserves the right to refuse any and all bids submitted.

Dated this 9th day of May, 1922.

CHAS. V. LUNDAHL,
Clerk of the Board of Trustees of the Turlock School District.

NOTICE TO CONTRACTORS

CALL FOR BIDS

(Napa High School)
(Reinforced Concrete Structure—Estimated Cost, $260,000)

Notice is hereby given that sealed bids will be received and opened by the Board of Trustees of the Napa Union High School District, of Napa County, State of California, at their rooms in the Napa High School Building, in the City of Napa, County of Napa, and State of California, at **eight o'clock p. m., June 5, 1922,** for the erection and completion of a High School Building, to be built in the City of Napa, State of California, according to plans and specifications Weeks, Architect.

Bids will be received on the general construction with its alternate propositions, together with separate bids on the Heating and Ventilating System, Painting, Special Fixtures and Furniture, and Program Clock System. Plans and specifications may be seen at the office of W. H. Weeks, 369 Pine street, San Francisco, California. All bids should be presented on bid forms furnished by the Architect. Each bid must be accompanied by a certified check on some responsible California bank in the sum of not less than five (5) per cent of the amount bid, made payable to W. H. Gordon, president of the Board of Trustees of the Napa Union High School District, for the purposes stated in the specifications. Each bid must be enclosed in a sealed envelope and addressed to Howard E. Roper, Clerk of the Napa Union High School District, Napa, California, and endorsed "Proposal for Building School House."

The Board of Trustees expressly reserve the right to reject any and all bids.

Bids may be delivered to the undersigned, Clerk of said Board of Trustees, at his residence in said City of Napa, or handed in to said Board of Trustees at the time and place of meeting above stated, at any time up to the hour of opening said bids.

HOWARD E. ROPER,
Clerk of the Board of Trustees of the Napa Union High School District of Napa, California.
Dated May 9, 1922.

A call for bids published in this section indicates that bids are desired from other than local bidders. Maximum competition is desired, and this is assured through BUILDING AND ENGINEERING NEWS which reaches every worth-while contractor and materialman in Central and Northern California who bids on public work.

Rate: 10 cents per line, per insertion.

All official calls for bids of the California State Highway Commission and Nevada State Highway Commission are published in this section.

NOTICE TO CONTRACTORS

(Cupertino School Additions)

NOTICE IS HEREBY GIVEN that sealed proposals will be received by the Board of School Trustees of the Cupertino Union School District **up to 8 o'clock P. M. on the 29th day of May, 1922,** at the Cupertino Union School House at Cupertino for the erection of two frame additions to said school house.

Said proposals must be sealed and accompanid by a certified check of not less than 5% of the amount of the proposal and made payable to Warren E. Hyde, Secretary of the Board of School Trustees of Cupertino Union School District.

Plans can be obtained from Charles S. McKenzie, Architect, San Jose.

(Signed) WARREN E. HYDE, Secretary

BIDS WANTED FOR STOREHOUSE

NOTICE TO CONTRACTORS

(One-story and Basement Reinforced Concrete Structure, 46x140)

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Calif. Sealed Proposals, in triplicate, for constructing, wiring, etc., storehouse at Letterman General Hospital, San Francisco, Cal., will be received here until 11 A. M., May 31, 1922. Plans, etc., furnished on application. Separate bids received for each class of work.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on June 12, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Humboldt County, between Trinidad and Freshwater Lagoon (I-Hum-1-J), about sixteen and five-tenths (16.5) miles in length, to be graded.

Lassen County, between Johnstonville and Janesville (II-Las-29-A), about eight (8.0) miles in length, to be graded.

The following two sections are contiguous, and bids for them may be submitted separately or jointly.

Merced County, between Westerly Boundary and San Luis Creek (VI-Mer-32-A), about eight and five-tenths (8.5) miles in lenght, 8.5 miles to be graded and 5.1 miles to be paved with Portland cement concrete.

Merced County, between San Luis Creek and Los Banos (VI-Mer-32-B), about twelve and two-tenths (12.2) miles in length, to be paved with Portland cement concrete.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary

Dated May 15, 1922.

NOTICE TO CONTRACTORS

(Alterations and Additions to Ward Building, Estimated Cost, $6000)

Office of the Clerk of the Board of Supervisors, Alameda County, Calif.

Sealed bids will be received by the Clerk of the Board of Supervisors of Alameda County, at his office **until Monday, June 12th, 1922, at 10 o'clock A. M.** (the day when said bids will be opened and the contract awarded) for the alterations and additions to a one-story frame Ward Building at Alameda County Hospital, near San Leandro, Alameda County, California. Plans and specifications for said work are on file in the office of the County Clerk in the Hall of Records Building in the City of Oakland, where copies may be obtained by depositing the sum of Ten Dollars ($10) with the County Clerk.

Contractors will be restricted as to the length of time these plans may be retained to ten (10) days.

Contractors failing to return said plans and specifications within the time specified will forfeit their deposit to the County of Alameda.

Each bids must be accompanied by a check for at least ten per cent of the amount of the bid or proposal, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board, to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or to give the bonds required by the Board for the faithful performance of the contract. The Board reserves the right to reject any or all bids.

(SEAL) GEO. E. GROSS,
Clerk of the Board of Supervisors of the County of Alameda.
Dated: May 15, 1922.

NOTICE TO CONTRACTORS

(Sequoia Union High School. Three One-story Reinforced Concrete and Frame Buildings, Estimated Cost, 300,000)

Notice is hereby given that sealed bids will be received by the Secretary of the Board of Trustees of the Sequoia Union High School District, Redwood City, San Mateo County, California, **until Saturday, the 3rd day of June, 1922, up to and until the hour of 2 o'clock P. M.** of said day when the said bids will be opened at the office of said clerk, in the office of the Sequoia Union High School, Redwood City, California, for the erection and completion of the new Sequoia Union High School building on the property lately acquired by the said district, located in Redwood City, California.

Separate bids will be received for:
The General Work.
The Plumbing Work
The Heating and Ventilating Work
The Electrical Work
The Painting Work
The Plastering Work
Furnishing and Installing Blackboards.

Plans and specifications for said work are on file at the office of the principal of the Sequoia Union High School and at the office of the Architects, Werner & Coffey, 312 Humboldt Bank Building, San Francisco, California.

On a deposit of twenty-five dollars ($25.00) complete sets of plans and specifications may be had by prospective bidders and said deposit money will be returned when said plans and specifications are returned in good order.

Bids must be made on proposals obtained at the office of the architects and be signed by the bidder, accompanied by a certified check for at least ten per cent (10%) of the amount of the bid or proposal, certified to by some responsible bank or banker, and made payable to D. E. O'Keefe, Secretary of the Board, to be retained by the said School District as agreed and liquidated damages should the party or parties to whom the contract should be awarded fail to enter into the contract after award, or to give bonds required for the faithful performance of the contract, or any bond required by law.

The Board reserves the right to reject any or all bids or any or all items of such bids.

L. P. BEHRENS, President.
D. E. O'KEEFE, Secretary.
Board of Trustees, Sequoia Union High School District.

NOTICE CALLING FOR BIDS FOR CONSTRUCTION OF BUILDING FOR MERCED IRRIGATION DISTRICT

Public notice is hereby given that sealed proposals for the construction of a building to be used as a garage and machine shop by the Merced Irrigation District will be received by the Board of Directors of said Merced Irrigation District at its office in the Barcroft Building, City of Merced, State California, on or before **Tuesday, the 6th day of June, 1922, at 10 o'clock a.m.** of said day. All proposals received will be opened in public by said Board at 10 o'clock a.m. of said day in said office. Thereafter said Board will let said work to the lowest bidder, but said Board reserves the right to reject any and all bids.

Said building is to be constructed on Lots 14, 15, and 16 in Block 38 in said City of Merced and is to be one story in height and is to be constructed of hollow tile with steel roof trusses. Plans and specifications for said work may be seen at said office of said Board in said City of Merced, or at the office Ira W. Hoover, architect, in Planada, California.

Any bidder to whom the contract for said work may be awarded must furnish bonds as provided by law, to-wit: A bond in the sum of at least one-half of the contract price, to secure the payment of claims of materialmen, mechanics or laborers employed upon said work, and a bond in the sum of at least 25 per cent of the contract price, conditioned for the faithful performance of the contract.

Each bid must be accompanied with cash or a certified check payable to the Merced Irrigation District in the amount equal to not less than 5 per cent of the price named in said bid as a guaranty that if the contract is awarded to the bidder he will within seven days thereafter enter into a written contract with said district to perform said work in accordance with said plans and specifications and the terms of his bid, and will furnish the bonds aforesaid.

Dated Merced, California, May 17th, 1922.

BY ORDER OF THE BOARD OF DIRECTORS OF THE MERCED IRRIGATION DISTRICT.
W. D. WAGNER,
Secretary.

NOTICE INVITING SEALED PROPOSALS FOR FURNISHING WATER PIPE

Notice is hereby given that the Council of the City of Santa Cruz invites sealed proposals or bids for furnishing:

1000 feet 14-inch O. D. steel Matheson joint pipe, thickness .21 of an inch, weight per foot 33.90 pounds.

5000 feet 10inch O. D. steel Matheson joint pipe, thickness .175 of an inch, weight per foot 20.40 pounds.

One end of joint to be leaded and caulked, and all pipe to be dipped in a hot bath of good quality of rubber compound inside and out and to be wrapped with National Protective Coating while hot and dusted with fine Portland Cement.

Pipe shall be straight and free from blisters, cracks and other injurious defects.

Pipe to be delivered F. O. B. Santa Cruz: delivery to be made within 40 days from the date of the award of contract.

Said proposals or bids will be received at the office of the City Clerk in the City Hall, Church St., in the City of Santa Cruz, up to the hour of **9 o'clock A. M. on Wednesday, the 31st day of May, 1922,** and the same will be opened at 9:30 o'clock A. M. on Wednesday, the 31st day of May, 1922.

All proposals or bids must be in writing and must be accompanied by a certified check for ten per cent of the amount bid, payable to the City of Santa Cruz, and must state the total amount bid.

The Council reserves the right to reject any and all bids.

S. A. EVANS,
City Clerk.

Date: May 18th, 1922.

BIDS WANTED FOR FURNISHING CRUSHED ROCK

Sealed proposals will be received by the undersigned at the office of the Department of Highways, Reno, Nevada, until 2:00 P.M., May 24th, 1922, for furnishing 39,000 TONS of crushed rock f.o.b. cars at sidings on the Western Pacific Railroad between Reno and Purdy.

Specifications, proposal forms and contract may be examined and secured at the Department of Highways Office in Carson City or Reno. Bids must be on proposal form of Highway Department, and must be accompanied by a certified check in the amount of 5% of the bid.

Each bidder must accompany his bid with a certificate from a surety company, duly authorized to do business in this State, stating that such Surety Company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and specifications.

Right is reserved to reject any or all bids.

GEORGE W. BORDEN,
State Highway Engineer,
Carson City, Nevada.

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BRIDGES, DAMS & HARBOR WORK

WOODLAND, Yolo Co., Cal.—Supervisors reject bids of Davison & Nicolson, $15,500 and E. M. Whipple, $17,811 to construct bridge over Willow slough at Childs Crossing and work ordered done by day labor. Asa G. Proctor, County Surveyor.

EUREKA, Humboldt Co., Cal.—Until June 13, 10 a.m., bids will be received by Fred M. Kay, county clerk, to construct cable suspension bridge across South Fork of Eel River near Miranda in Road District No. 2. A. J. Logan, county surveyor.

LOS ANGELES, Cal.—Until 2:30 P. M., May 23, bids will be received by the Board of Harbor Commissioners, 33 City Hall, Los Angeles, for dredging slip at Berth 232. Specifications 381. Certified check or bond 10%. Guy W. Wade, Secretary.

EUREKA, Humboldt Co., Cal.—Until June 3, 10 A. M., bids will be received by Fred M. Kay, County Clerk, to construct two bridges over Van Duzen River at Blue Slide near Strong's Station in Road District No. 2. Bids are wanted for both wood and concrete construction. Plans for concrete bridges prepared by Engineer John B. Leonard, 57 Post St., San Francisco, and for wooden structures by County Surveyor A. J. Logan. Cost of concrete approximately $40,000 each; wooden structures, $30,000 each.

EUREKA, Humboldt Co., Cal.—Supervisors contemplate constructing bridge across South Fork of Eel River near Miranda. Est. cost, $25,000. A. J. Logan, county surveyor.

CALIFORNIA.—Parlier and Lowry, Tulare, at $50,819 awarded contract by State Highway Commission to construct bridge over Cuyama River in San Luis Obispo and Santa Barbara Counties, about 14 miles east of Santa Maria.

SAN JOSE, Santa Clara Co., Cal.—Until June 19, 11 a.m., bids will be received by Henry A. Pfister, county clerk, to construct rein. concr. bridge on Cadwallader Ave., over Dey Creek in Sup. Dist. 2. I. J. Ryder, county surveyor.

RIVERSIE, Cal.—Ellis Litscomb, San Diego, awarded contr. by supervisors at $5812.65 for const. 342-ft. bridge over storm drain at Bell Crossing on Thermal-Mecca Road.

RIVERSIDE, Cal.—Mercereau Bridge and Constr. Co., 313 N. Ave. 22, Los Angeles, submitted only bid to supervisors at $1300 for const. 45-ft. bridge over 26th Ave. drain canal on Neighbors Blvd. Action deferred.

RIVERSIDE, Cal.—Unit Constr. Co., Phelan Bldg., San Francisco, submitted low bid at $108,997, to const. Rubidoux bridge across Santa Ana River. The bridge consists of seven 72-ft. spans with towers at either end. Other bids were: deWaard & Cobham, San Diego, $119,994; Frank Hudson, Los Angeles, $121,000; Wm. Ledbetter Co., $136,383; Ross Constr. Co., L. A., $145,600. All bids rejected as too high and work readvertised for 10 a.m. June 5.

SANTA ANA, Cal.—Until 11 a.m., May 23, bids will be received by county supervisors for repairing highway bridge across Santiago Creek on S Glassell St. in 4th road dist. Cert. check 5%. J. M. Backs, clerk.

SANTA ANA, Cal.—Until 11 a.m., June 6, bids will be rec. by supervisor to const. 200,000-gal. reinf. concr. reservoir at Orange County Park in 4th Road Dist. Plans and spec. on file with J. M. Backs, clerk, or may be obtained from supt. of highways upon deposit of $3. J. M. Backs, clerk. Cert. chk. 5%.

LOS ANGELES, Cal.—Until 2:30 p. m., May 23, bids will be received by Board of Harbor Commissioners, Room 33, City Hall, for asphaltum concrete piles. Specification 384. Certified check or bond 10 per cent. Guy W. Wade, secretary.

LOS ANGELES, Cal.— Following bids received by Supervisors for furnishing 8000 untreated and 8000 creosoted piles: Hammond Lumber Co., untreated, 25c lin. ft.; J. H. Baxter, untreated, 23.5c; creosoted, 62c; Chas. R. McCormick Co., untreated, 22.5c; creosoted, 62.5c; McLeod Lumber Co., untreated, 21.5c. Taken under advisement.

PACIFIC BEACH, Cal.—Plans are under way for a $150,000 bond issue to construct a 1500-ft. pleasure pier. The Chamber of Commerce, Dr. J. C. Seymour, president, is backing the movement.

IRRIGATION PROJECTS

TUMALO, Ore.—Until May 27, 2 P. M., bids will be received by Tumalo Irrigation District to construct dams, canals and appurtenances, involving:

Canal excavation: 36,000 cu. yds. Class 1; 15,000 cu. yds. Class 2; 19,700 cu. yds. Class 3; 22,240 cu. yds. Class 4.

Excavation: 100 cu. yds. wet sand and gravel; 215 cu. yds. wet solid rock; 650 lin. ft. tunnel excavation.

Concrete: 195 cu. yds. Class A and 755 cu. yds. Class B concrete; 350 lin. ft. canal lining; 650 lin. ft. tunnel lining; 192,000 B. M. ft. lumber in structures: 10,350 lbs. reinforcing steel, bolts, etc.; 12,250 lin. ft. 10-ft. dia. W. S. flume, in place; 12,250 lin. ft. No. 204 metal flume, in place (alternate); 960 lin. ft. 78-in. dia. cont. W. S. pipe creosoted; 12 inlet and outlet transitions to flume; 2 inlet and outlet transitions to syphon; 15 cu. yds. rubble masonry wall; 350 lin. ft. 6-in. drain tile in place; 40 acres clearing and grubbing; 8 gate stands and stems.

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R. W. Rea, Engineer for District, 221 Lumbermens Bldg., Portland, Ore. Fred N. Wallace, Secretary of District.

SALT LAKE CITY, Utah.—A. H. Christensen, Salt Lake City, has filed application with the State engineer to divert 69,000 acre feet of water from streams in the central eastern section of the State to irrigate 112,400 acres of land in Sanpete, Carbon and Emery Counties. Project includes construction of a timber crib dam and about 75 miles of main canals.

EL CENTRO, Imperial Co., Cal.—June 1 is date set to vote bonds for $7,500,000, proceeds of sale to finance consolidation of mutual districts and constructing drainage systems.

FAIR OAKS, Sacramento Co., Cal.—Until June 5, bids will be received by Fair Oaks Irrigation District for purchase of $40,000 worth of bonds; proceeds of sale to finance improvements. Guy L. Camden, Secretary.

HEMET, Cal.—Ranchers and property owners are making plans for development of maters of San Jacinto mountains. At a recent meeting the relative merits of an irrigation district and mutual water company were discussed with Frank Gillelen, of the firm of Olmsted and Gillelen, consulting engineers, Hollingsworth Bldg., Los Angeles. Opinion favored an irrigation district and a committee was appointed to secure further data.

CHICO, Butte Co., Cal.—Plans for the drainage of 58,413 acres of rice land, mostly in southern Butte County, lying in the vicinity of Richvale and along Butte Creek, have been made by J. M. Howell, engineer for the Butte Creek Drainage District, and Drainage Districts No. 100 and 200. A small portion of the land is in Glenn County. The plans have been approved by the Butte County Supervisors and call for an expenditure of $70,000.

LIGHTING SYSTEMS

PASADENA, Cal.—Southern California Electric Co., 625 S. Main St., Los Angeles, submitted low bid to city commission, at $11,000, for constructing underground conduits, ducts and appurtenances in El Molino and other streets. W. A. McNally & Co., Pasadena, bid $11,116.

FAIRFIELD, Solano Co., Cal.—Town Trustees, J. H. Prather, clerk, declare intention to install 33 electroliers in Texas St. bet. Taylor and Washington and bet. Taylor and Union Sts. Improvement Act 1911 and Bond Act 1915. Protests May 25.

LOS ANGELES, Cal.—Until 3 P. M., May 19, bids will be received by the Public Service Commission, 207 South Broadway, for four 110,000 volt high-voltage horizontal wall entrance bushings. Specifications P-271-177. Jas. P. Vroman, Secretary.

LONG BEACH, Cal.—City Council has had specifications prepared for an ornamental street lighting system in Anaheim street between Temple and Loma Aves.

ORANGE, Cal.—Until 1 P. M., May 26, bids will be received by City Clerk to construct ornamental lighting system, on North Pine St., between East Chapman and East Palm Aves., including 15 reinforced concrete posts, globes, wires, sockets, etc.; 1911 Act. W. A. White, Clerk of Trustees. Certified check or bond 10%.

SAN BERNARDINO, Cal. — City council has adopted plans for ornamental lighting in F St., bet. 2nd and 5th Sts.

RIVERSIDE, Cal.—Board of Public Utilities has recommended to City Council the installation of ornamental lights on Cedar St. bet. First and Fourth Sts. Posts will be of concrete and cost approximately $1017.45.

MACHINERY

PASADENA, Cal.—American Pump Co., 420 E. 3rd St., Los Angeles, awarded contract by city commission at $22 for furnishing horizontal centrifugal pump, capacity 1.4 to 2.4 cu. ft. per second against head of 75 ft., and to be mounted on cast iron base complete for belt drive.

Byron Jackson Iron Works, 305 E. 3rd St., Los Angeles, awarded contract at $4307 for furnishing one deep well turbine pump, capacity 2.5 cu. ft. per second against head of 250 ft., for belt drive.

Worthington Co., Inc., Higgins Bldg., Los Angeles, awarded contract at $532 for furnishing one horizontal centrifugal pump, capacity 6 cu. ft. against head of 230 ft., and mounted on extended cast iron bed plate for direct connection to electric boiler.

Worthington Co. also awarded contract at $635 for furnishing horizontal centrifugal pump, capacity 1 cu. ft. per second against head of 250 ft., mounted as above.

LOS ANGELES, Cal.—Layne and Bowler Corporation, 900 Santa Fe Ave., submitted only bid to purchasagent Thos. Oughton, at $1877 net, for furnishing city one deep well pump and motor. An allowance of $200 was offered on old pump.

LOS ANGELES, Cal.—Until 3 p.m., May 23, bids will be received by Public Service Commission, 207 S. Broadway, for concrete meter boxes. Specification no. 060.

Separte bids, same date, for gate valves. Specification No. 607. Jas. P. Vroman, secretary.

LONG BEACH, Cal.—Public Service Director Ferver, has recommended that the city purchase two sewer screens for city disposal plant.

NEWPORT HEIGHTS, Cal.—Until 3 P. M., May 24, bids will be received by the directors of Newport Heights Irrigation District, at the office of Corinne W. Quinn, Secretary, on Tustin Ave., between 15th and 16th Sts., Newport Heights, for one deep well pump. Specifications at office of the Secretary. Certified check for 10%.

RICHMOND, Contra Costa Co., Cal. —City Council votes to purchase "car puller" for use on Municipal wharf; will be equipped with 15-hp. motor. Est. cost, $3500.

OAKLAND, Cal.—City Council rejects bids for furnishing and delivering 20 ft. sounding boat and will purchase same in open market. Eugene K. Sturgis, City Clerk.

MODESTO, Stanislaus Co., Cal.—Until May 24, 8 p.m. bids will be received by L. A. Love, city clerk, for fur. and del. (A) 2 (station type) constant current transformers about 8 K.W. floating coils, 2300 volts primary, 6.6 A. secondary; (B) 2 (pole top oil submerged) constant current transformers about 8 K.W. 2300 volts primary, 6.6 A. secondary, floating coils. Spec. may be had from city clerk. Geo Freitas, city engineer.

BAKERSFIELD, Kern Co., Cal.—Until June 5, 7:30 P. M., bids will be received by Kern County Union High School Board for furnishing and delivering one or more school busses for transporting pupils. Specifications may be had from the Secretary of the Board at the High School, Bakersfield.

TUCSON, Ariz.—Until 2 P. M., May 24, bids will be received by City Clerk L. O. Cowan for deep well turbine pump for Eighth St. and Campbell Ave. well. Specifications on file with City Engineer. Certified check 10%.

LOS ANGELES, Cal.—Kurt O. Wetzel, 694 Rio St., submitted the low bid to the Board of Public Works, at $763, for furnishing steel floor beams for Fourth St. Viaduct across Los Angeles river.

OAKLAND, Cal.—Until May 25, 12 M., bids will be received by Eugene K. Sturgis, City Clerk, for furnishing two roadster type autos; one for Building Dept., and another for Health Dept. Specifications on file in office of the Clerk.

MERCED, Merced Co., Cal.—American Rubber Co., at 90c ft. awarded a contract by the Trustees to furnish 500 ft. of fire hose.

SANTA CRUZ, Santa Cruz Co., Cal.—S. A. Adams, City Clerk, will call bids for furnishing and delivering 5,000 ft. 10-in. and 1,000 ft. 14-in. pipe. James K. James, City Engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—Until May 31, 9 a.m., bids will be rec. by S. A. Evans, city clerk, for fur. and del. 1000 ft. 14-in. O.D. steel Mathewson joint pipe, .21 in. thick, wght. 33.9 lbs. ft.; also 5000 ft. 10-in. O.D. steel Mathewson joint pipe, .175 in. thick, wght. 20.4 lbs. ft. **See call for bids under official proposal section in this issue.**

RAILROADS

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy has completed preliminary plans to construct tunnel 20 ft. wide, 18 ft. 9 in. high, double tracked, for Municipal Railway, and approximately 4230 ft. long, under Dubice Park at Duboce and Scott Sts., and continuing beneath Buena Vista Park at a depth of several hundred feet and coming out at Carl and Cole Sts. Est. cost, $1,700,000.

ASTORIA, Ore.—A. Guthrie & Co., Sherlock Bldg., Portland, awarded contract to lay rails and ballast track of Portland, Astoria and Pacific Railroad, from Wilkesboro to Vernonia, approximately 33 miles. Road was formerly known as the Eccles line.

RENO, Nevada—Construction of the new railway line in Nevada to open up mining districts in the northern section of the state will be started immediately, according to J. E. Sexton of Palisade, general manager of the Eureka Nevada Railway. The road will start at Reynard, Washoe County, on the Western Pacific line and will extend 50 miles in a northwesterly direction to a point near the California-Nevada line at the southeast corner of Modoc County, Calif. It will be 30-in. gauge.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

WOODLAND, Yolo Co., Cal.—Until May 29, 10 a.m., bids will be received by H. R. Saunders, county clerk, for three county highway projects:

Prefix 6, Sec. C: North end of Sacramento By-pass Bridge to Herman Waldeck's house, involving (1) 1[illegible],300 cu. yds. earthwork without classification; (2) 350,000 sq. ft. asphalt concrete pavement, 5-in. 2-course; (3) alternate for item 2, 350,240 sq. ft. Portland cement concrete pavement, Class A, 6-in. thick, increasing to 7½-in. in outside 2 ft. (4) alternate for item 2, 350,240 sq. ft. 4-in. waterbound macadam base course with 2-in. waterbound macadam top course; (5) alternate for item 2, 350,240 sq. ft. 4-in. waterbound macadam base course with 2 in. asphalt concrete wearing surface.

Prefix 8, Sec. A: East extension of Main St., from East St. to Baird's corner, approximaately 1 mile in length, involving (1) 1570 cu. yds. earthwork without classification; (2) 140 lin. ft. corrugated metal pipe, 12-in.; (3) 310 lin. ft. 12-in. concrete pipe; (4) 25 cu. yds. Portland cement concrete Class B (headwalls); (5) 540 lbs. reinforcing steel bars; (6) 16 lin. ft. guard rail; (7) 79,680 sq. ft. asphalt concrete pavemenet, 5-in. 2-course; (8) alternate for item 7, 79,680 sq. ft. Portland cement concrete pavement, Class A 6-in. thick, increasing to 7½-in. in outside 2 ft.

Prefix 6, Sec. B: From end of present paved county highway to west end of Sacramento River bridge in town of Washington, involving (1) 2700 cu. yds. earthwork without classification; (2) 193 lin. ft. 12-in. corrugated iron pipe; (3) 180 lin. ft. curb and gutter comb. (Portland cement concrete, Class B); (4) 5 cu. yds. Portland cement concrete Class B (headwalls); (5) 85 lbs. reinforcing steel bars; (6) 41,390 sq. ft. asphalt concrete paxement, 5-in. 2-course (7) alternate for item 6, 41,390 sq. ft. Portland cement concrete pavement Class A, 6-in. thick, increasing to 7½-in. in outside 2 ft. Asa G. Proctor, county surveyor.

SACRAMENTO, Cal.—The California Highway Commission received bids as follows on May 15 for highway improvements in two counties:

Kern County: Bet. Secs. 29 and 30, T. 31 S, R. 28 E, M.D.B. & M. and Bakersfield (VI-Ker-4-C), about 10.9 miles in length) to be surfaced with asphalt concrete.

Federal Construction Co., Call Bldg., San Francisco	$59,466
Southwest Paving Co., Los Angeles	62,010
California Construction Co., San Francisco	62,805
Valley Paving & Construction Co., Visalia	65,642
Clifton, Applegate & Toole, Beverly Hills	70,278
Clark & Henery Construction Co., Stockton	76,797
J. A. Costello Jr., San Francisco	77,115
C. H. & A. W. Gorrell, Oakland	79,341
Thompson Bros., Fresno	92,220

Engineer's estimate, $76,320.

Colusa County: In the town of Williams, (III-Col-7-B and 15-A), about three-tenths (0.3) miles in length, to be surfaced with asphalt concrete.

J. A. Costello Jr., Mills Bldg., San Francisco	$ 9000
Clark & Henery, Stockton	11,200

MILL VALLEY, Marin Co., Cal.—Town Trustees petition to extend sewer system along Blithedale Ave. from Elm St. to the highway and to pave streets in District No. 7, comprising Schlingman Hill and vicinity; also to grade Elma Ave. bet. Throckmorton and Lovell St. J. C. Oglesby, Cheeda Block, San Rafael, town engineer.

TUCSON, Ariz.—Council declares intention to pave Third St. bet. N. Stone and N. Park Aves. Est. cost, $80,000. Paving to be 5-in. concrete base with 1½-in. Warrenite bitulithic, 1½-in. asphalt concrete, 1½-in. Topeka surface, or 1½-in. Willite.

SAN FRANCISCO.—Board of Public Works requests Supervisors to make available approximately $20,000 to improve Liberty St. bet. Noe and Sanchez, and Sanchez bet. 20th and 21st Sts.

City Engineer M. M. O'Shaughnessy completes specifications to construct 150 lin. ft. 8-in. sewer, 14 wye branches and 1 brick manhole in Folsom St. from Crescent Ave. southerly. Est cost, $400.

STOCKTON, San Joaquin Co., Cal.—City Council A. L. Banks, Clerk, declares intention to improve streets in "Westerly Extension of North Stockton" "North Stockton" and "Blatt's Addition to Stockton" by grading, constructing combined concrete curbs and gutters, concrete sidewalks and paving with 4-in. gravel base with 2-in. asph. macadam surface. 1911 Act and 1915 Bond Act. Protests May 26. W. H. Hogan, City Engineer.

SAN DIEGO, Cal.—Geo. R. Daley, San Diego, awarded contract by city council at $14,389 to pave Upas St. bet. 30th and 33rd Sts., involving 1714.8 cu. yds. excavation;198.8 cu. yds. embankment; 37,780.4 sq. ft.1½-in. asphalt concrete; 6244.2 sq ft. walk; 2946.8 ft. curb.

Fairchild-Gilmore-Wilton Co., L. A. Ity. Bldg., Los Angeles, awarded contract at $7201 for paving Home St. bet. Rosecrans St. and Chatsworth Blvd., involving 41,386.2 sq. ft. asphalt concrete pavement.

Fairchild-Gilmore-Wilton Co. awarded contract at $11,721 for paving A St. bet. 5th and 7th Sts., and 7th St. bet. A and Ash Sts., involving 8900 sq. ft. 5-in. concrete, 1-in. binder, with 2-in. sheet asphalt surface; 38.50 sq. ft. 4-in. concrete with 1½-in. asphalt concrete surface; 23.71 lin. ft. curb.

H. G. Fenton, San Diego, awarded contract at $2345.38 for grading Martin Ave. bet. 30th and 31st St., involving 2385.2 cu. yds. excavation; 1499.5 cu. yds. embankment; 1200 ft. curb.

Olof Nelson, San Diego, awarded contract at $2522.80 for grading Valle Ave. bet. 30th and 31st Sts., involvin 2968.4 cu. yds. excavation, 1056.4 cu. yds. embankment, 1200 ft. curb.

GLENDALE, Cal.—Peter L. Ferry 614 E. Acacia St., submitted only bid to city trustees to improve portion of Chestnut St., involving 75,992.36 sq. ft. resurfacing at 5¼c ft. and laying 60 ft. of 6-in. and 2134 ft. of 4-in. C. I. pipe at $3600 lump sum. Bid referred to City Engineer C. L. Hill.

NEWPORT BEACH, Cal.—Shepard & Weber, 2731 6th St., Santa Monica, awarded contract by city trustees for constructing cement pipe sanitary sewer system in alley south of Central, 19th to 14th Sts. The bid was: Three standard drop manholes, at $80; 2352 ft. 8-in. cement pipe at $1.60; standard manhole type D, $75; standard shallow flush tank, $150; standard lamp hole type F, $12.

Shepard & Weber also awarded contract to construct cement pipe sanitary sewer system in F St. and other streets and alleys. The bid was: 2245 ft. 8-in. cement pipe at $1.60 ft.; standard manhole type D, $75; standard shallow flush tank, $150; standard lamp hole type F, $12; standard drop house connections, $10; standard junction chamber, type A, $80.

RIVERSIDE, Cal.—Until 10 A. M., June 26, bids will be received by the Board of Supervisors, D. G. Clayton, Clerk,, for constructing asphaltic concrete pavement, including grading, vitrified pipe culverts with end walls, cast iron monument caps, and timber trestle bridge, and other incidental work in various streets and roads in R. D. I. No. 9. Certified check or bond 10%. A. C. Fulmor, County Surveyor.

PHOENIX, Ariz.—Bids will be called for shortly by Thos. Maddock, State highway engineer, for paving 4 miles of Apache Trail, bet. Mesa city limits and Eastern Canal. Plans and specifications (Federal Aid Project No. 47) have been approved by E. S. Wheeler, Federal district engineer for Arizona, and call for 18-ft. pavement, 6-in. thick, of either cement concrete or asphalt concrete.

SONORA, Tuolumne Co., Cal.—J. R. Gray, Groveland, at $3845 awarded contract by supervisors to construct Deer Flat-Groveland road. Other bids: Lewis Ulloa, $6100; T. H. Clark, $6000.

SANTA ANA, Cal.—Until 11 A. M., May 23, bids will be received by the County Supervisors for resurfacing approximately 6900 lin. ft. of Huntington Beach Blvd. and approximately 2700 lin. ft. of Westminister Blvd. with 4-in. or 5-in. concrete pavement. Certified check, or bond 5%. J. L. McBride County Road Commissioner.

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy estimaates cost of reducing width of sidewalks in Golden Gate Ave. bet. Market and Van Ness at $22,500. Estimate compiled at request of property owners.

LONG BEACH, Cal.—Council declares intention to improve portions of Third St., Bonito, Cerritos, Orange, Esperanza, Falcon and Hermosa Aves., by grading and paving with oil macadam; constructing curbs, corrugated iron culverts, concrete gutters, vitrified pipe house sewers; 1911 Act. Protest hearing, June 6.

SONORA, Tuolumne Co., Cal.—County Surveyor Robert Thomas preparing specifications for 16-ft. wide, 5-in. thick concrete road from Sonora city limits to bridge crossing Sonora Creek. Surveys being made for cattle detour bordering the southerly boundaries of the townsite of Groveland in Road District No. 4.

LOS ANGELES, Cal.—Supervisors declare intention to pave Whittier Blvd. bet. Indiana and S. Rowan Sts., R. D. I. No. 203, 1490 lin. ft. with 6-in. concrete and 2-in. asphalt concrete surface. Work will involve 1412 cu. yds. excavation, 5826 sq. yds. shaping roadway, 1073.7 ft. curb, 255 ft. curb at culvert outlets, 2980 lin. ft. curtain wall, 7850 sq. ft. concrete gutter, 60 sq. ft. gutter, 5-in. thick, 5826 sq. yds. concrete base, 5826 sq. yds. asphalt concrete surface, 65 cu. yds. concrete for culverts, 480 sq. ft. walk. Materials required are: 1988 bbls. cement, 891 tons sand, 1632 tons gravel, 5826 sq. yds. asphalt concrete surface ,50 pieces expansion joints, 6x10x14, 15 pieces expansion joints 6x10x18, 125 pieces extension joints 8x3, 12 lbs. lamp black, 1723 lbs. reinforcing steel, 11 standard concrete manhole covers, 6 standard C. I. manhole frames and covers. Est. cost, $24,804.

SANTA BARBARA, Cal.—Until 5 p. m., May 18, bids will be received by city council for paving Canyon Perdido St. bet. State St. and Anacapa St., involving grading, paving with 1½-in. asphalt concrete surface on 5-in. cement concrete base; constructing concrete gutters, concrete driveways, 8½ ft. walks, 6-in. main sanitary sewers, 4-in. house sewers. 1911 Act. Geo. D. Morrison, city engineer.

TUCSON, Ariz.—Geo. B. Singleton awarded contract by city council at $127,987.50 to improve East 8th St. and other streets included in Rincon Hghts. grading at 78c cu. yd.; 222 cu. yds. Class A concrete at $30 yd.; 18,000 lbs. reinforcement at 8c lbs.; 215 lin. ft. pipe rail at $3 ft.; 4610 lin, ft. 6-in. water main at $1.75 ft.; 9400 lin. ft. 4-in. drants at $125 each; 2120 cu. yds. excavation and backfill at $1.25 yd.; 30 monuments at $12.50 each; 15,500 lin. ft. 8-in. vit. pipe sewer at 80c ft.; 23 manholes at $135 each; 25 lin. ft. manholes over 8 ft. in depth at $10 lin. ft.; 17 lampholes at $25 each; 3 flush tanks at $175; 8700 cu. yds. excavation and backfill (up to 8 ft. depth) at $3 cu. yd.; 1700 cu. yds. excavation and backfill (over 8 ft. in depth) at $3.50 cu. yd.; 37,000 lin. ft. wooden headers at 12½c lin. ft.; various crosses, tees, bends, valves, etc.

OAKLAND, Cal.—Until May 25, 12 M., bids will be received by Eugene K. Sturgis, City Clerk, to improve 14th street, between Market and Poplar by grading, constructing concrete curbs and gutters, paving with asphaltic concrete, brick manholes, vitrified pipe conduits, etc. 1911 Act. W. W. Harmon, City Engineer.

EL CENTRO, Cal.—Supervisor J. Ralph Andersen has submitted proposition of forming road improvement district to complete 8½ miles unfinished roadway between Holtville and Brawley.

LOS ANGELES, Cal.—Until 10 a.m., June 2, bids will be received by Board of Harbor Commissioners, for approximately 118,000 cu. yds. excavation for southerly section of Harbor Blvd. Spec. 382. Certified check or bond 10 per cent. Guy W. Wade, secretary.

LONG BEACH, Cal.—Supt. of water department, Clark H. Shaw has reported to City Manager Hewes that expenditures totaling $1,465,339 are necessary to modernize and complete city water system. Items contained in the report are: Plans, reservoirs, wells and transmission mains, estimated to cost $711,840; distributing system, $363,991. System to Woolen Mills District, $83,222; paving, $71,506; replacements and extensions, $294,780. Unsold water bonds amounting to $255,000 are on hand but the remainder must be raised through a new issue.

EUREKA, Humboldt Co., Cal.—Until May 31, 10 a.m., bids will be received by Fred M. Kay, county clerk, to construct 480 rods of fence along State Highway through lands of Fred S. Blair in Road District No. 5. A. J. Logan, county surveyor.

EUREKA, Humboldt Co., Cal.—Until June 13, 2 P. M., bids will be received by Fred M. Kay, County Clerk, for furnishing, hauling and placing approximately 2000 cu. yds. of crushed rock on Bald Hills road bet. the Sherman Lyons place and Tomlinson's, in Road District No. 5. A. J. Logan, County Surveyor.

CALIFORNIA.—California Construction Co., 58 2nd St., San Francisco, at $47,570 awarded contract by State Highway Commission to surface with asphalt concrete 8.9 miles in Solano County bet. Fairfield and Vacaville.

STOCKTON, San Joaquin Co., Cal.—City Council, A. L. Banks, Clerk, declares intention to improve North Center street, between Castle and Arcade and portions of North El Dorado, Adams, North Hunter and San Joaquin Sts., Arcade, Geary, Noble and North Sutter St., by grading, constructing combination concrete curbs and gutters, concrete sidewalk; paving with 4-in. gravel base with 2-in. asphalt macadam surface and for grading, full width, Pine and Cleveland Sts., bet. North Sutter and the west boundary of McCloud's Addition. Improvement Act 1911 and Bond Act 1915. Protests May 26. W. B. Hogan, City Engineer.

SAN BERNARDINO, Cal.—County Supervisors have granted to property owners along San Antonio Wash west of Ontario and Upland, permission to form a storm-water protection district.

POMONA, Cal.—Los Angeles County will build permanent road on west side of San Antonio Canyon from the mouth of the canyon to the foot of Hogsback Grade. Supervisor F. P. Cogswell estimates cost at $30,000. The work will not be completed for two years.

SACRAMENTO, Cal.—City Commission, H. G. Denton, city clerk, declares intention to improve alley bet. 48th and Discovery Way, from manhole in alley first north of T St., to R St., by constructing 6-in. vit. sewer with wye branches; concrete manholes.

Intention declared to imrove alley bet. N and O, 11th and 12th Sts., by placing 1 track drain connected to manhole with 6-in. vit. pipe; reconstructing concrete manhole, etc.; paving with 5-in. hydraulic concrete. Albert Givan, city engineer.

SANTA MONICA, Cal.—Until 12 o'clock, noon, May 22, bids will be received by Wilkie Woodard, engineer, Ocean Ave. and Adelaide Drive, Santa Monica, acting for Melville Rapp, owner, for improving Melville Square, Tract 5119, Santa Monica. Work involves 21,000 cu. yds. grading and excavating, 245,000 sq. ft. oiling and graveling roadways, 15,631 lin. ft. cement curb, 92,123 sq. ft. cement walks, 7360 lin. ft. 6-in. and 8-in. sanitary sewers, with manholes and flush tanks, 7360 lin. ft. 4-in. standard water mains. Certified check 5 per cent. Plans and specifications may be obtained at above address after May 15.

SHASTA, Co., Cal.—State Railroad Commission authorizes S. P. R. R. to construct subway crossing under tracks near Cottonwood, the cost to be borne by State and railroad.

GLENDALE, Cal. — Until 7 p.m., May 18, bids will be received by City Clerk Van Wie for improving three blocks of Kenilworth Ave., involving 1039 lin. ft. grading, 1994 ft. curb, 9745 sq. ft. walk, 32,790 sq. ft. oil and paving, and laying 1099 ft. 4-in. Class C cast iron water pipe, together with hydrants and appurtenances, 1911 Act.

REDWOOD CITY, San Mateo Co., Cal.—W. J. Tobin, 527 Santa Ray Ave., Oakland, at $2691.56 awarded contract by city trustees to construct 4, 6 and 8-in. vit. sewers in portions of Jefferson St. and alley in blk. 12, Eagle Hill addition, approx. 40 ft. 8-in. black dipped wrought iron pipe brick man-[illegible]es, etc.

[illegible]HMOND, Contra Costa Co., Cal.—[illegible]ty Council, A. C. Faris, clerk, peti[illegible]oned to improve Ohio, Center, Flor[illegible] and Waller Sts. bet. 37th St. and [illegible] limits of Wall Addition, and 37th [illegible] bet. Macdonald Ave. and Wall St. Taken under advisement. H. D. Chap[illegible]n, city engineer.

SAN FRANCISCO — Appropriations are sought in 1922-23 budget for street improvements as follows: Jones, Golden Gate to Post, $32,000; Battery, Jackson to Pacific, Pacific to Broadway, Broadway to Vallejo, Vallejo to Green, $27,000; Broadway, Sansome to Embarcadero, $16,000; Clay, Battery to Sansome, $4250; Merchant, Embarcadero to Drum, $2500; Ceylon, Clay to Washington, $3200; Mason, North Point to Beach, $5000; Broadway, Stockton to Powell, $16,500; Columbus Ave., $12,000; Clay, Kearny to Grant, $5000; Commercial, Grant to Keanry, $4000; Vallejo, Stockton to Divisadero, $8000; Broadway, Fillmore to Steiner, $10,000; Steiner, Broadway to Pacific, $6500; Powell, Eddy to Ellis and O'Farrell to Geary, $12,000; Eighth, Folsom to Bryant, $10,000; Folsom, from Third street westerly, $30,000; Bryant, Second to Third, $11,000; Capp, Sixteenth to Seventeenth, $6500; Dolores, Twenty-third to Twenty-fourth, $4000; Post, Polk to Van Ness, $3500; Bush, Kearny to Grant, $6000; McAllister, Franklin westerly, $25,000; Rolph street, $9000, Laguna, Turk to Eddy, $6000, Divisadero, Vallejo to Green, $6000; Filbert, Polk to Larkin and Jones to Leavenworth, $13,750.

SACRAMENTO, Cal.—Until May 25, 9 p.m., bids will be received by H. G. Denton, city clerk, to improve 39th St. bet. H and pt. 1522 ft. north, by const. conc. curbs and gutters, c. i. gutter drains connected to sewer with 6-in. vit. sewer pipe, const. new and reconst. conc. manholes; 8-in. vit. sewer with 6 in. vit. wye branches; extending 6 in. vit. sewer services; ¾-in. water main connections; grading and paving with 5½-in. asph. conc.

Separat bids same date, to improve [illegible] St. bet. B and H, by const. conc. curbs and gutters, c. i. gutter drains with 6-in. vit. sewer connections; reconst. conc. manholes; 8-in. vit. sewer with 6-in. vit. wye branches; ¾-in. water main connections; grading and paving with 5½-in. asph. conc.

Separate bids, same date, to improve 10th St., bet. C and G Sts., by const. conc. curbs and gutters; c. i. gutter drains with 6-in. vit. sewer connections, conc. manholes and placing conc. protective covering on sewer pipe. Albert Givan, city engineer.

SAN JOSE, Santa Clara Co., Cal.—County Surveyor L. J. Ryder preparing spec. to improve 2700 ft. of Rodfish Mill road and 2400 ft. Pacheco Pass road to Gilroy and 2500 ft. of road lying in town of Los Gatos.

STOCKTON, San Joaquin Co., Cal.—City Council [illegible] clerk, declares intention to const. system of lateral sewers, wye branches, curved and house branches, manholes with and without automatic flushers in portions of D and E Sts., Linden road, [illegible] Ave., East Fremont St. and East Weber Ave. Imp. Act 1911. Protests June 2. W. B. Hogan, city engineer.

OAKLAND, Cal.—Until May 25, 12 M., bids will be received by Eugene K. Sturgis, city clerk, to improve 14th St. bet. Market and Poplar Sts., by grading, conc. curbs and gutters and paving with asphalt conc.; br. manholes and catch basins; vit. pipe conduits, etc. 1911 Act. W. W. Harmon, city engineer.

SACRAMENTO, Cal.—A. Teichert & Son, Ochsner Bldg., awarded contracts by city comm. for following street improvements:

Seventh Ave. from Riverside Blvd. to 1059 ft. west by const. conc. curbs and gutters, C. I. gutter drains, conc. manholes, 8-in. vit. sewers, grading and paving with 5½-in. asph. conc.

Alley bet. Y, 1st Ave., 31st St. and Sacramento Blvd.; const. 1 conc. catch basin; extend. 6-in. vit. sewers; grading and paving with 5-in. hyd. conc.

Montgomery Way from Franklin Blvd. to 863 ft. west by const. conc. curbs and gutters, 1 manhole, gutter drains, grading and paving with 5½-in. asph. conc. Albert Givan, city engr.

WASHINGTON, D. C.—Following Federal aid projects have been approved by Bureau of Public Works for week ending May 6: California project No. 98, Riverside County, 12.295 miles, asphalt pavement; total est. cost, $378,230.05; Federal aid, $224,364.85. California project No. 100, Merced County, 8.49 miles, reinforced concrete; total estimated cost, $218,538.10; Federal aid, $128,937.47. California project No. 95, Monterey County, 10.58 miles gravel; total est. cost, $159,896; Federal aid, $94,338.64.

CARSON CITY, Nevada.—Following are approximate quantities of materials required to complete projects, bids for which will be opened by Nevada State Highway Commission, May 31:

White Pine County, from Illipah to Robinson's Summit; 15.01 miles: 54,600 cu. yds. excavation without classification; 554 lin. ft. 15-in., 288 lin. ft. 21-in., 26 lin. ft. 30-in. and 90 lin. ft. 36-in. corrugated metal pipe, in place; 255 cu. yds. dry rubble masonry, in place; 25 cu. yds. cement rubble masonry, in place; 40 cu. yds. hand placed fill, in place; 904 lin. ft. wooden guard rail; 230 monuments; 1 sign post; 9.02 miles prepare subgrade and shoulders; gravel surface bet. Sta. 0+00 to 475+00; 10,300 cu. yds. loading gravel; 55,000 yd. mi. hauling gravel; 10,300 cu. yds. spreading gravel

White Pine County, bet. Pancake Summit and Illipah, 22.95 miles, involving: 107,000 cu. yds. excavation without classification, 50 cu. yds. Class A concrete; 1160 lin. ft. 15-in., 478 lin. ft. 18-in., 121 lin. ft. 21-in., 160 lin. ft. 30-in. and 138 lin. ft. 36-in. corrugated metal pipe in place, 250 cu. yds. dry rubble masonry complete in place, 25 cu. yds. cement rubble masonry complete in place; 620 cu. yds. hard placed fill; 1912 lin. ft. wooden guard rail; 554 monuments, 2 sign posts, 100 cu. yds. rip rap, complete in place, 11.18 miles prepare subgrade and shoulders; gravel surface bet. Stations 0+00 to 603+89.26; 13100 cu. yds. loading gravel, 52,400 yd. mi. hauling gravel, 13,100 cu. yds. spreading gravel.

81,000 cu. yds. excavation without classification, 186 cu. yds. Class A and 132 cu. yds. Class B concrete, 922 lin. ft. 15-in., 1186 lin. ft. 18-in., 216 lin. ft. 24-in. and 62 lin. ft. 30-in. corrugated metal pipe, in place, 1168 lin. ft. wooden guard rail; 160 monuments, 1 sign post, 19.83 miles prepare subgrade and shoulders; 31,[illegible]30 cu. yds. loading gravel, 71,100 yd. mi. hauling gravel; 31,[illegible]30 cu. yds. spreading gravel, lump sum, moving and placing structural steel 10,400 lbs.; lump sum, painting structural steel 2900 sq. ft.

LOS ANGELES, Cal.—Fairchild-Gilmore-Wilton Co., L. A. Ry. Bldg., awarded contr. by supervisors at $19,753.63 to pave Manchester Ave. bet. Vermont and Western, involv. 3765 cu. yds. excav. 10,919 sq. yds. 6-in. conc. paving; culvert at Western Ave., $2000; culvert at Vermont Ave., $2500; disintegraated granite, $1.10 per ton. County furnishes cement.

RIVERSIDE, Cal.—All bids for 13,636 ft. guard fence for approach to Ehrenberg Ferry rejected by Supervisors; county will do the work.

TUCSON, Ariz.—City council declares intention to improve 3rd St. bet. Stone and Park Aves. by paving with one of four alternate types of paving: 1½-in. Warrenite-bitul. surface on 2½in. bitum. base; 1½-in. asph. concr. surface on 2½-in. bitum. base; 1½-in. Topeka surface on 4-in. cem. concr. base; or 1½-in. Willite surface on 4-in. cem. concr.

MERCED, Merced Co., Cal.—Until June 5, bids will be rec. by supervisors for improvements in Second Road Dist., running through British colony to Buhach, 7.12 miles. Est. cost, $80,000. A. E. Cowell, county sur.

HOLLISTER, San Benito Co., Cal.—Supervisors will call for bids immediately to surface with oil. San Juan and Watsonville road via the Rocks, 8800 ft.; Union Dist. road from bridge to corner of Shulz ranch, 5000 ft.; Odd Fellows Cemetery road from Hollister city limits to Cushman ranch, 7140 ft.; San Justo and Tres Pinos road from county hospital to Corroto place in south side, 5200 ft.; Hollister-Tres Pinos road to be paved from end of present pavement to Tres Pinos, 12,283 ft. W. A. Winn, county surveyor.

LOS ANGELES, Cal.—Fairchild-Gilmore-Wilton Co., L. A. Ry. Bldg., submitted low bid to supervisors at $49,800 for road work in R. D. I. No. 205. Other bids were: Fred Hoffman, $56,500; Geo. R. Curtis, $56,500; Braun, Bryant & Austin, $58,400. Bids referred to road comm.

PETALUMA, Sonoma Co., Cal.—City Eng. N. S. Frost completes spec. for 6-in. ironstone sewer in Irwin St. Est. cost, $1065.

SAN FRANCISCO. — Pacific States Construction Co., Call Bldg., at $12,815 submits low bid to Board of Public Works to improve Great Highway bet. Cabrillo and Fulton, involving 34,955 sq. ft. asph. conc. pavement; 524 lin. ft. conc. gutter; 164 lin. ft. roadway coping, 160 lin. ft. 10-in. sewer, 1 br. catch basins; 69 lin. ft. R.W. headers; 3 s.w. entrances. Other bids: Fay Imp. Co., $13,361, C. B. Eaton, $13,711, A. J. Raisch, $13,589.

A. J. Raisch, 40 Kearny St., at $71,873 low bidder to improve Market St. Mono and 21th, involv. 2200 cu. yds. cut; 400 cu. yds. fill; 12 br. catch basins; 3 storm water inlets; 400 lin. ft. 10-in. culverts; 50 lin. ft. 6-in. open tile drain; reconst. 1 manhole; 17 steps, 1 safety station; 600 lin. ft. r.w. headers, 485 lin. ft. (Type F) curb; 6200 lin. ft. conc. curb; 200 lin. ft. (special Type D) coping; 170,500 sq. ft. asph. conc. pavement, 55,000 sq. ft. art. stone walks, 1078 lin. ft. galv. pipe railin gand 140 conc. post footings. Other bids, Fay Imp. Co., $73,191, C. B. Eaton, $71,[illegible]14.

A. J. Raisch at $8[illegible] only bidder to improve Hearst Ave. bet. Baden and Congo, involv. 275 cu. yds. cut; 980 cu. yds. fill, 1200 lin. ft. conc. curb, 18,000 sq. ft. asph. conc. pavement.

E. J. Tracy at $[illegible] low bidder to improve Girard St. bet. Olmsted and Mansell, involv. 540 cu. yds. cut, 1006 cu. yds. fill, 800 lin. ft. conc. curb, [illegible]600 sq. ft. br. pavement, and 10,400 sq. ft. asph. conc. pavement.

H. Treacy at $119.40 low bidder to const. 600 sq. ft. art. stone walks in 32nd Ave. bet. Geary and Clement. J. A. Dupray bid $120.

C. B. Eaton at $180 only bidder to improve Joost Ave. (where not), involv. [illegible] lin. ft. conc. curb and 1000 sq. ft. conc. pavement.

No bids rec. to improve Elsie St. bet. Esmeralda and Virginia, and Hearst Ave. bet. Congo and Detroit.

SAN DIEGO, Cal.—Council declares intention to improve portions of Rosecrans, Dumas, Poe, Canon and Rogers Sts. by paving with one-course cem. conc., const. 7-ft. oiled gutters, conc. curbs, 12-in. conc. culverts, catch basin. 1911 Act.

SACRAMENTO, Cal.—City Commissioners, H. G. Denton, clerk, declare intention to improve 10th St. bet. C and G, and H St. bet. 6th and 19th Sts., by grading. 1911. Act.

Intention declared to improve Mission Way bet. J St. and Noble Ct., by const. conc. curbs and gutters, c. i. gutter drains with 6-in. vit. sewer connections; conc. manhole; 6-in. vit. sewer; extend 6-in. vit. sewer services; ¾-in. water main connections; grading and paving with 5½-in. asph. conc. alley first south of H St., in Mont Clair, from sewer in alley along west line of Golf Crest; const. 6-in. vit. sewer, conc. manholes; 43rd St. bet. J and alley first south of H St., in Mont Clair by const. 6-in. vit. sewer; extending vit. sewer services; const. conc. manholes. 1911 Act. Protests June 8. Albert Givan, city eng.

MODESTO, Stanislaus Co., Cal.—City Council, L. A. Love, clerk, declares intention to improve following streets, protests to be heard May 24:

Sycamore Ave. from Stoddard Ave. to Lateral 4 of Modesto Irrigation Dist., involving 38,972.33 sq. ft. grading; 36,082.29 sq. ft. 2½-in. asph. conc. base with 1½-in. Warrenite-bit. surface; 2,890.10 sq. ft. gutter; 1920.83 lin. ft. curb; 132.5 lin. ft. headers; 6 No. 700 Marbelite standards; 8 pull-in boxes; 991.2 lin. ft. 1-in. conduit; 120 lin. ft. ¾-in. conduit; 3333 lin. ft. No. 10 R. C. wire. Est. cost, $12,307.

Sycamore from Needham to Stoddard, involv. 58,134.3 sq. ft. grading; 54,461.78 sq. ft. 2½-in. asph. conc. base with 1½-in. Warrenite-bit. surface; 3672.52 sq. ft. gutter; 2302.9 ft. curb; 144 ft. headers; 9 No. 700 Marbelite standards; 10 pull-in boxes; 1242.2 ft. 1-in. conduit; 220 ft. ¾-in. conduit; 4347 ft. No. 10 R. C. wire. Est. cost, $16,083.

Fifth St. from F to H Sts., involv. 42,282.18 sq. ft. grading; 45,620.91 sq. ft. 2½-in. asph. conc. base with 1½-in. Warrenite-bit. surface; 2661.28 sq. ft. gutter; 1767.13 lin. ft. curb; 221. lin. ft. headers. Est. cost, $12,259.

George H. Freitas, city eng.

NEWPORT BEACH, Cal.—Independent Asphalt Paving Co., Seaboard Bldg., Seattle Wash., submitted low bid to city trustees, at $459,960.52, for paving Central Ave. and other streets, involv. 368,755 sq. ft. 5-in. concr. paving at 38c ft.; 47,628 ft. 6x10x15-in. curb at 65c ft.; 236 ft. 6x15x48-in. curb at $1.25 ft.; 74,028 sq. ft. walk at 20c ft.; 13 catch basins at $25 ea.; 148,133 sq. ft. clay and gravel surfacing at 6c ft. Referred to Paul E. Kressly, city engr., H. W. Hellman Bldg., Los Angeles. Other bids were: Geo. H. Oswald, Los Angeles, $484,360.49; California Constr. Co., San Francisco, $497,788.33; Fred Hoffman, Long Beach, $537,856.34. Engineer's estimate, $522,270.51.

REDONDO BEACH, Cal.—City trustees declare intention to improve Carnelian St. bet. Camino Real and North Helberta Ave., by grading, oiling and surfacing with rock screenings, const. 24-in. concr. gutter, 5-ft. walks. Vrooman Act.

SAN FRANCISCO.Until May 31, 3 p.m., bids will be rec. by Board of Public Works to improve following streets:

Collingwood St. bet. 20th and 22nd, etc., involv. 23,500 cu. yds. cut; 4274 cu. yds. fill; 825 lin. ft. 12-in. vit. pipe sewers; 250 lin. ft. 6-in. vit. side sewers; 110 lin. ft. 10-in. vit. pipe culvert; 48 8-in. and 44 12-in. wye branches; 17 brick manholes; 1 lamphole; 2 br. storm water inlets; 7 br. catch basins; reconst. 2 br. catch basins; 911 lin. ft. galv. iron pipe railings.

North Point St. bet. Columbus Ave. and The Embarcadero, involv. 23 br. catch basins; 2 storm water inlets; 800 lin. ft. 10-in. vit. culverts; 118,000 sq. ft. asph. conc. pavement; 6 br. manholes; 974 lin. ft. 12-in. vit. pipe sewer; 39 wye branches.

Ulloa St. bet. 15th and 17th Sts., involv. 13,447 cu. yds. cut; 565 lin. ft. 12-in. and 40 lin. ft. 8-in. vit. pipe sewer; 5 br. manholes; 30 12-in. wye branches.

Arch St. bet. Holloway and Garfield, involv. 1330 lin. ft. conc. curb; 7500 sq. ft. conc. pavement and 12,450 sq. ft. asph. conc. pavement.

Anderson St. bet. Cortland and Eugenia, involv. 950 lin. ft. conc. curb; 6650 sq. ft. vertical fiber brick pavement and 6849 sq. ft. asph. conc. pavement.

45th Ave. bet. Cabrillo and Fulton, involv. 1200 lin. ft. conc. curb; 24,000 sq. ft. asph. conc. pavement. M. M. O'Shaughnessy, city eng.

HOLBROOK, Ariz.—Until May 24, bids will be received by Thos. Maddock, State Engineer, care of Navajo County Highway Commission, Holbrook, for constructing Holbrook-Winslow highway, federal aid project No. 40. Work involves approximately 14,000 cu. yds. excavation, 120,000 cu. yds. borrow, 42,000 cu. yds. surfacing, 1200 cu. yds. concrete and other incidental items. Work will be divided into four schedules of aproximately 8 miles each. Certified check 5%.

SACRAMENTO, Cal.—County Surveyor Drury Butler completing specifications to improve Sheldon-Slough House road.

WOODLAND, Yolo Co., Cal.—Supervisors reject bids to construct macadam road from south end of concrete road in Rec. Dist. No. 900, through Dists. Nos. 765 and 999 to Headquarters in 999, and macadam road from Mound bridge at Knights Landing through District No. 787 to Eldorado road. Work will be done by day labor under supervision of County Surveyor Asa G. Proctor.

SAN MATEO, San Mateo Co., Cal.—City Trustees sell $35,000 bond issue to finance street paving; $50,000 issue to widen and improve Baldwin Ave., and $25,000 issue to const. main sewers. G. S. Whitehead, city eng.

SANTA BARBARA, Cal.—Montecito County Water Dist. is having estimates made as to cost of installing and maintaining a distributing system in the newly creaated dist. Santa Barbara city council is considering proposal to sell the district water from the city's supply.

TAFT, Kern Co., Cal.—Chas. Sorenson, Taft, awarded contr. by trustees at 19c sq. ft. for const. 1000 lin. ft. 5-ft. conc. walks.

CALIFORNIA.—Until June 12, 2 p.m., bids will be received by State Highway Comm., Forum Bldg., Sacramento, to const. following highway projects:

Humboldt County, bet. Trinidad and Freshwater Lagoon, approx. 16.5 miles, to be graded.

Lassen County, bet. Johnstonville and Janesville, approx. 8.0 miles, to be graded.

The following two sections are contiguous, and bids for them may be submitted separately or jointly:

Merced County, bet. westerly boundary and San Luis Creek, approx. 8.5 miles, to be graded; and 5.1 miles to be paved with Port. cement concrete.

Merced County, bet. San Luis Creek and Los Banos, approx. 12.2 miles, to be paved with Port. cement concrete.

Austin B. Fletcher, State Highway engineer. **See call for bids under official puroposal section in this issue.**

STOCKTON, San Joaquin Co., Cal.—City Council, A. L. Banks, Clerk, declares intention to improve streets in Searchlight Addition (Marsh, East Church, East Hazelton, East Scotts Ave., etc.), by grading, constructing combination concrete curbs and gutters and paving with 4-in. cement gravel base with 2-in. asphaltic macadam surface. Act 1911 and Bond Act 1915. Protests June 2. W. B. Hogan, City Engineer.

MERCED, Merced Co., Cal.—Valley Paving & Constr. Co., Goldstein Bldg., Visalia, awarded contract by Trustees to pave 16th, 21st and 22nd streets. Bids to pave 13th, 14th and 15th Sts., rejected, property owners asking that streets be graded and paved 48 ft. wide instead of 36 ft.

LOS ANGELES, Cal.—Fairchild-Gilmore-Wilton Co., L. A. Ry. Bldg., awarded contrs. by Board of Public Works for street work as follows:

At $5634.76 for paving 14th St. bet. Hartford Ave. and Witmer St., involv. 8756 sq. ft. grading; 8756 sq. ft. concr. paving; 451 curb; 1824 sq ft. walk.

At $5634.76 fo rpaving 14th St. bet. Santa Fe Ave. and 253.46 ft. east, involv. 14,889 sq ft. grading; 14,889 sq. ft. asph. paving; 32.4 ft. curb; 434 sq. ft. concr. gutter; 28 sq. ft. granite block gutter; sanitary sewer complete, $1000.

At $10,140.12 for paving Harvard Blvd. bet. Lemon Grove and Melrose Aves., involv. 35,610 sq. ft. grading; 35,610 sq. ft. asph. paving; 1946 sq. ft. concr. gutter.

SANTA MONICA, Cal.—J. D. Kneen Paving Co., Dudley Blk., Santa Monica, submitted low bid to council for paving 14th St. bet. Pico and Wilshire Blvds. The bid was 3.4c sq. ft. grading, 19.2c sq. ft. 1½-in. Warrenite-bitul. on 2½-in. concr. base, and 65c ft. curb. Waren Constr. Co. bid 3.8c grading, 19.2c paving and 75c curb. Bids referred to John A. Morton, city eng.

LOS ANGELES, Cal.—Council declares intention to improve Sacramento St. bet. Santa Fe Ave. and 641 ft. east, involv. 17,308 sq. ft. asph. paving, 25 ft. curb, 983 sq. ft. gutter, 120 ft. house connections, and 150 sq. ft. concr. paving. Vrooman Act.

LOS ANGELES, Cal.—Until 10 a.m., May 29, bids will be rec. by Board of Public Works to improve streets as follows:

Portions of Palos Verdes, 17th and Gaffey Sts., and Crescent Ave., San Pedro, involv. 200,447 sq. ft. asph. pavement; 2138 sq. ft. curb; 5216 sq. ft. walk; 10,155 sq. ft. concr. gutter; 2350 ft. house connections, and storm dam and appurtenances. Vrooman Act.

37th St. bet. Western Ave. and St. Andrews Pl., involv. 22,106 sq. ft. grading and oiling; 1722 ft. curb; 8322 sq ft. walk; 3472 sq. ft. concr. gutter, and 416 sq. ft. concr. pavement. Vrooman Act.

REDWOOD CITY, San Mateo Co., Cal.—Until June 5, 8 p.m., bids will be rec. by W. A. Pride, city clerk, to const. 6-in. vit. tile pipe sewer and 4 4-in. vit. pipe sewer laterals 34 ft. in length in Sequoia Ave., bet. Oak and Redwood Aves. 1911 Act. C. L. Dimmitt, city eng.

LOS ANGELES, Cal.—No bids were received by Board of Pub. Wks. to pave Beverly Blvd. and const. storm sewer, bet. Heliotrope Drive and Alexandria Ave. Work involved Warrenite-bitul. paving, curbs, walks, gutters, catch basin and vit. pipe. Vrooman Act.

PASADENA, Cal.—City Mgr. C. W. Koiner will present res. of inten. to city council asking for paving consisting of 7-in. conc. base with 2-in. macad. wearing surface on Colorado St. bet. Marengo and Mentor Aves. It is also proposed to widen Linda Vista Avenue, between Linda Vista bridge across Arroyo Seco to the Devil's Gate dam, making a 70-ft. roadway.

SAN DIEGO, Cal.—Pernel-Barnett, 630 E. Washington street, Orange, submitted only bid to city council at 27c lin. ft. for excavation ditch of minimum width of 24-in. for water main in La Jolla Boulevard, Turquoise and Cass streets, San Diego.

REDDING, Shasta Co., Cal.—City Trustees plan paving southern extension of Market street, to state highway at south city limits, approximately 3460-ft., 18 and 15-ft. wide; estimated cost $15,000.

WOODLAND, Yolo Co., Cal.—Until June 5, 5 P. M., bids will be received by J. H. Laugenour, city clerk, to improve Walnut street, between Cross and Oak; Cleveland between Pendegast and Main; Oak between McKinley and Walnut; Oak between 2nd and 4th; 2nd between Pendegast and Marshall; Bartlett between 2nd and College; Marshall between 2nd and 1st, including all intersections, by grading, constructing hyd. concrete curbs and gutters. 1911 Act.

Separate bids, same date, for similar improvements in Elliott street, between Walnut and College; Locust between Elliott and Clover; Elm between Clover and Court; North between Walnut and Elm and between 3rd street, and pt. 80-ft. west of East street; Clover street, between College and 4th; 4th between North and Main; 5th between Clover and North, including all intersections. 1911 Act. Asa G. Proctor, city engineer.

OAKLAND, Cal.—County Supervisors will probably call special election in August to decide on formation of public utility district enabling Oakland, Berkeley, Alameda and Richmond to solve water problem. Proposed to form district under the "Municipal Utility District Law" passed at last session of Legislature. After organization two problems will be considered. First, the acquisition of the present sources of water supply; the East Bay Water Co. announces willingness to sell for $19,000,000. Second, the source of an additional supply; one source to be Hetch Hetchy and the other the Eel River.

LOS ANGELES, Cal.—Council declares intension to construct cement pipe sanitary sewer in portions of 77th, 78th, 79th, 80th, 81st, 82nd, 83rd, 84th and 85th streets, Main street 82nd Pl. Vroman act.

OAKDALE, Stanislaus Co., Cal.—City Eng. Geo Macomber preparing spec. for additional street paving. Est. cost, $60,000

SAN DIEGO, Cal.—City Eng. F. A. Rhodes has submitted to council est. of proposed paving of F St. bet. 16th and 25th Sts., placing it at 153,245 sq. ft. He has also recommended paving alleys in Blks. 225 and 215, University Hts., and Maple St. bet India and Columbia Sts., and Columbia St bet Maple and Quince Sts.

SAN MATEO, San Mateo Co., Cal.—Until June 5, 8 p.m., bids will be rec by E. W. Foster, city clerk, to improve portions of B. Laurel, 5th, 6th, 7th, 8th and 9th Sts., involv. 6000 lin. ft. comb conc curbs and gutters; 41,560 sq ft art. stone walks, 200 lin. ft conc curb; 60 lin ft conc. gutter; 3 conc. catch basins, 2000 sq. ft. driveway approaches. Improvement Act 1911. G. Stanley Whitehead, city eng.

SACRAMENTO, Cal.—Until June 5, 10 a.m., bids will be rec. by Harry W. Hall, county clerk, to const conc highway beginning 600 ft east from Sacramento River at Verden, running east to the Von Loben Sels Ranch, approx. 7400 ft. Drury Butler, county surveyor.

CHICO, Butte Co., Cal.—Bird Electric Co., Chico, at $629.50 awarded contract by Bidwell Park Comm. to furnish and install automatic water pressure system at 5-mile dam, capacity 1000 gals. an hr. with 1 hp. motor and pump with capacity same as commonly known as a 4x5 pump and tank approx. 18 in. by 10 ft. in dim.

SANTA CRUZ, Santa Cruz Co., Cal.—Powers bid received by the Supervisors for county highway stretches. Completion of Chittenden Pass road.

Granite Construction Company, Watsonville, only bidder: Concrete construction, $85,419.10; 16 ft. oil macadam, $60,510.70; 18 ft. oil macadam, $66,724.80. Awarded contract at $85,419.10.

Boulder Creek-Ben Lomond—Granite Constr. Co., concrete $99,991.10; 16 ft. oil macadam, $76,726.41; 18 ft. oil macadam, $82,981.10. J. J. McHugh, Foxcroft Bldg., San Francisco, 16 ft. oil macadam, $59,955.44. W. E. Miller, 81 Church St., Santa Cruz, concrete, $84,562.50. Standard Industrial Engineering Corporation, 550 Montgomery St., San Francisco, concrete, $89,256.50; 18 ft. oil macadam, about $75,000. Contract awarded to W. E. Miller.

Watsonville to Martin's Crossing—Granite Constr. Co., 18 ft. oil bound macadam, $15,755.38. Awarded contract.

Chittenden Crossing to railroad bridge—Granite Constr. Co., 16 ft. oil macadam, $5,484.19. Rejected.

Stretch of road at Aptos—Granite Constr. Co., $6,965.24. Rejected.

Stretch of road at Soquel—W. E. Miller, concrete, $2,070. Rejected.

From five mile house to Corralitos—Granite Constr. Co., oil macadam, $30,299.98. Rejected.

Green Valley road from Freedom to Arano hill—Granite Constr. Co., oil macadam, $16,522. Rejected.

Lloyd Bowman, County Surveyor.

FRESNO, Fresno Co., Cal.—June 2, 2 p.m., is date set by supervisors to open bids to pave Shaw Ave., unit of highway system, and not June 5, as previously reported. Est. cost, $97,000. Chris. P. Jensen, Cory Bldg., county surveyor.

TUCSON, Ariz.—An election will be held June 5 to vote bonds in the sum of $65,0000 for improvements to city water system.

MARTINEZ, Contra Costa Co., Cal.—Chambers and De Goyler, Oakland, at $3369 awarded contract by supervisors to construct sewer system in Alhambra Heights tract just outside Martinez city limits. James T. Sayles, next low bidder, at $3775.

WHITTIER, Cal. — Fairchild-Gilmore-Wilton Co., Los Angeles Realty Bldg., Los Angeles, awarded contract at $18,956.61 for paving portions of Camilla St. and Whittier Ave., involving grading at 6c sq. ft., 5-in. concrete paving at 21c sq. ft., curb at 55c lin. ft., walk at 21c sq. ft., culverts, $1000. Chas. E. Green bid: 4.5c grading, 23c paving, 60c curb, 18c walk, $1214 culverts; total, $19,171.16.

OLYMPIA, Wash.—Until June 6, 5 p.m., bids will be received by Hiram Dohm, city clerk, for improvements in Districts 325, 326 and 328, by paving, concrete walks, cross walks; curbs, gutters, drains, water mains, hydrants etc. Est. cost, 122,815. Ray F. Wood, city engineer.

NAPA, Napa Co., Cal. Committee appointed by residents of valley section to map out route for proposed road from Loyall Valley to main county road. Edw. P. Ball, county surveyor.

FRESNO, Fresno Co., Cal.—A. F. Gilmour Co., Los Angeles, awarded contract by Supervisors to furnish from 20,000 to 100,000 bbls of oil for road purposes, at $1.21 per bbl. f.o.b. at shipping point. Same company also awarded contract to furnish 4800 bbls. of 90 per cent asphalt for gravelled macadam roads at $1.65 bbl., 80 per cent delivered at Firebaugh and 20 per cent at Minkler for roads under construction. Chris P. Jensen, Cory Bldg., county surveyor.

OAKLAND, Cal.—City Council, Eugene K. Sturgis, clerk, declares intention to improve E. 28th St. bet. 25th Ave. and point 341.02 ft. west, by grading, constructing concrete curbs, gutters and sidewalks, paving with oil macadam.

Intention declared to improve portions of 11th St. by grading, constructing concrete curbs and gutters and paving with asphalt concrete. Improvement Act 1911. Protests June 1. W. W. Harmon, city engineer.

OAKLAND, Cal.—Hutchinson Co., 1706 Broadway, Oakland, at $5,080 submits low bid to the Board of Education for grading and concrete work at Roosevelt High School. Other bidders: J. Patecci, $5,560; Heafey, Moore & McNab, $9,700; Bates & Borland, $7,550; Arris Knapp, $7,898. Bids under advisement.

MERCED, Merced Co., Cal.—City Trustees, W. W. Cornell, city clerk, declares intention to improve:

(1) 22nd bet. O and P by grading, paving with 3½-in. asph. conc. base, with 1½-in. Warrenite-bit. wearing course with seal coat, conc. curbs.

(2) Alley in Block 128 by grading, paving with 2½-in. asph. conc. base, with 1½-in. Warrenite-bit. wearing course with seal coat, wooden curbs.

(3) 23rd St. bet H and G Sts., incl. intersection of H St., by grading, paving with 3½-in. asph. conc. base with 1½-in. Warrenite-bit. wearing course with seal coat, conc. curbs, c. i. culverts with hyd conc. bases. All under 1911 Act and 1915 Bond Act. Protests will be heard June 5. C. D. Martin, city eng.

FRESNO, Fresno Co., Cal.—Calif. Rd. and St. Imp. Co., Bank of Italy Bldg., Fresno, at $28,024 submits low bid to council to improve Montecito Ave. bet. Hazelwood and 4th St., involv. 86,524 sq. ft. grading; 81,190 sq. ft. 2½-in. black base with 1½-in. Warrenite top pavement; 2115 lin. ft. curb; 5210 sq. ft. gutter; 7220 sq. ft. walks; 320 lin. ft. 12-in. and 304 lin. ft. 18-in. corru. culvets. Other bids: Thompson Bros., 1511 H St., Fresno, $28,185; Federal Const. Co., Call Bldg., San Francisco, $28,130. Taken under advisement. Wm. Strangham, city eng.

LODI, San Joaquin Co., Cal.—Until June 5, 8 p.m., bids will be rec. by J. F. Blakely, city clerk, to improve:

(1) Oak St. bet. Hutchins and west city limits, incl. all street and alley intersections;

(2) Rose St., bet. Locust and Elm, Elm to Oak; Oak to Sargeant road;

(3) Cordier St. bet. Locust and Elm; Elm to Oak; Walnut to Sargeant road.

All by grading, const. conc. curbs and gutters, paving with 2½-in. asph. conc. base with 1½-in. Warrenite surface. 1911 Act and Bond Act 1915. L. F. Barzellotti, city eng.

SAN JOSE, Santa Clara Co., Cal.—Until May 24, 8 p.m., bids will be rec. by John J. Lynch, city clerk, to improve 11th St. bet. Santa Clara and Empire, by grading, paving with 3-in. asph. conc. base and 1½-in. Warrenite-bit. surface, conc. curbs and gutters, br. catch basins; 8-in. vit. pipe drains. 1911 Act. Wm. Popp, city eng.

BAKERSFIELD, Kern Co., Cal.—Until June 5, 7:30 p.m., bids will be rec. by E. R. Long, secty. Board of Education, to grade and pave west half of A St. bet. 17th and 19th Sts. Specs may be had from secty.

JACKSON, Amador Co., Cal.—County Surveyor W. E. Downs making surveys for proposed county highway leading from Amador County line to Ione.

SAN JOSE, Santa Clara Co., Cal.—City Council, John J. Lynch, city clerk, declares intention to improve 34th St. bet. Williams and pt. 263.15 ft. south by grading, paving with 3-in. asph. conc. base and 1½-in. Warrenite-bit. surface; conc. curbs and gutters; conc. walks. 1911 Act and Bond Act 1915. Protests June 5. Wm. Popp, city eng.

FRESNO, Fresno Co., Cal.—City Council declares intention to improve Echo Ave. bet. Olive and Pine Aves., involv. 63,576 sq. ft. grading, 63,576 sq. ft. 5-in. cement concrete paving, 3378 lin. ft. curb, 16,594 sq. ft. walks, 206 lin. ft. 12-in. culvert, 8 manholes and 100 lin. ft. vit. pipe. Wm. Strangham, city eng.

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UNIVERSITY ISSUES BOOKLET ON SOUND-PROOF PARTITIONS

The demand for quiet rooms in hospitals, hotels, and office buildings, the desirability of insulating music studios and other rooms where disturbing sounds are produced, and the necessity for solving other problems for the control of noise have led to repeated requests from architects and builders for reliable information on effective methods for insulating sound. Although present information on the subject is incomplete, Bulletin No. 127 of the Engineering Experiment Station of the University of Illinois, "Sound-Proof Partitions," by F. R. Watson, collects and presents the available information in a systematic way, giving the methods and results of various investigations relating to the action of materials on sound, describing practical installations of sound-proofing, and setting forth in accordance with existing knowledge recommendations that may be applied where sound insulation is wanted.

While many things may be learned from further experience and much may be gained from additional theory, enough has been revealed to give encouragement to the belief that sound-proofing may be prescribed in the future with some of the certainty that now attends the acoustic design of auditoriums.

Copies of this Bulletin No. 127 may be had without charge by addressing the Engineering Experiment Station, Urbana, Illinois.

The great forests of the New England States, of the Great Lakes States and of the South have been proved exhaustible. The forests of the Pacific Coast are not inexhaustible.

The City of Pasadena has authorized the creation of a city planning commission composed of 12 members, 9 of which shall not be officers or employes of the city. Three are to be appointed by the Board of Directors from its own membership. The city engineer will attend and participate in the meetings of the commission but will not be entitled to a vote

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

$1,000 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
2048	Frustuck	Owner	5500
2049	Kiepen	Tarbitt	3500
2050	McBride	Owner	3000
2051	Byrne	Owner	1600
2052	Johnson	Owner	3900
2053	Lindeman	Owner	4000
2054	Shea	Ferroni	15000
2055	London	Mission	6850
2056	McCarthy	Arnott	2800
2057	Arnott	Arnott	12000
2058	Same	Same	6000
2059	Fershtand	Arnott	8500
2060	Homes	Nelson	7500
2061	Kenney	Olson	8000
2062	Kimball	Klahn	2800
2063	Bausemer	Owner	2700
2064	Tucker	Morton	2215
2065	Schoenfeld	Jensen	7950
2066	Hammond	Merritt	1800
2067	Biller	Owner	24000
2068	Hecht	McCormick	38000
2069	Nelson	Owner	6900
2070	Same	Same	6000
2071	Ekborn	Mullen	1500
2072	Archbishop	Fennell	2995
2073	Salvation	Vukicevich	220000
2074	Hepler	Sherwood	7000
2075	Barry	Owner	4000
2076	Manson	Owner	5000
2077	Schacht	Nelson	5000
2078	Hamill	Owner	6000
2079	Sutter-Lowell	Martin	1000
2080	Allen	Owner	5000
2081	Crowley	Owner	1503
2082	Greek Com	Owner	15000
2083	Weiss	Owner	500
2084	Franklin	Vukicevich	50,000
2085	Di Benedetti	Owner	4000
2086	Weiner	Black	8000
2087	California	Mission	15000
2088	Fischbeck	Lyon	1500
2089	Hoyle	Hoin	8000
2090	Wakeles	Hoin	8000
2091	Oberhaus	Owner	3000
2092	Leigh	Owner	12000
2093	Flynn	Owner	2000
2094	Provedent	Nelson	1376
2095	Provedent	Farrell	1376
2096	Pasqualetti	Petersen	17200
2097	James	Warden	21756
2098	Petersen	Owner	6000
2099	MacMillen	MacMillen	2000
2100	Bishop	Bishop	2500
2101	Wieland	Sass	1196
2102	Crey	Metz	1100
2103	Johnson	Owner	3700
2104	Fisher	Callaghan	1000
2105	O'Connell	Warden	5000
2106	Barbour	Moore	18500
2107	Pennington	Owner	10000
2108	Seitz	Thorup	4000
2109	Nichols	Hannah	7000
2110	Mulhern	Owner	11000
2111	Mueller	Owner	5000
2112	Reily	Owner	3900
2113	Mulhern	Owner	6000
2114	Ward	Gerge	6900
2115	Reiff	Madden	2910
2116	Crowe	Marsden	8000
2117	Michel	Meyer	3000
2118	Prevost	Madden	3400
2119	Hemminga	Owner	400
2120	Stockholm	Owner	400
2121	Hamill	Owner	10000
2122	Tillman	McLaughlin	12000
2123	Samuel	Jensen	57996
2124	Pearson	Kincanon	38250
2125	Kelsey	Gibson	9300
2126	Glynn	Bentlele	8850
2127	Sullivan	Andrews	327
2128	Elliot	Lindberg	10850
2129	Welisch	Mission	20000
2130	Burns	Owner	2000
2131	Brown	Owner	3000
2132	Rice	Owner	5000
2133	Case	Peterson	5300
2134	O'Connell	Warden	5550
2135	Rusconi	Filippis	15450

FRAME FLATS

(2048) NE BALBOA AND TWENTY-first Ave. Two-story and basement frame (2) flats.
Owner—John Frustuck, 1286 7th Ave. San Francisco.
Plans by Owner.
Day's work. $5500

FRAME DWELLING

(2049) S BROAD 100 W Plymouth Ave. One-story and basement frame dwelling.
Owner—Mrs. C. E. Kiepen, 6070 Mission St., San Francisco.
Architect—None.
Contractor—Jas Tarbitt, 386 Fair Oaks St., San Francisco. $3500

ALTERATIONS

(2050) NO. 828 BRODERICK. Rearrange 3 flats for 6 apartments.
Owner, Archie McBride, Premises.
Architect—Edw. E. Young, 251 Kearny St., San Francisco.
Day's work $3000

DWELLING

(2051) SE CONGO AND MONTEREY Blvd. Two-story frame dwelling.
Owner—M. L. Byrne, 286 Monterey Blvd., San Francisco.
Architect—None.
Day's work. $1600

DWELLING

(2052) E NINETEENTH AVE 106 S Santiago. One-story and basement frame dwelling.
Owner—Louis Johnson, 2260 19th Ave., San Francisco.
Architect—None.
Day's work $3900

DWELLING

(2053) W TWENTY-FOURTH AVE. 181-8 S Anza. One-story and basement frame dwelling.
Owner—H. O. Lindeman, 232 Anza St., San Francisco.
Designer—W. R. Lindeman, 530 Balboa St. San Francisco.
Day's work $4000

FRAME FLATS

(2054) BOSWORTH AND MISSION. Three-story frame (3) flats.
Owner—Agnes Shea, 770 5th Ave., San Francisco.
Architect—John J. Foley, 770 5th Ave. San Francisco.
Contractor — G. Ferroni & Son, 1926 Filbert St., San Francisco. $15,000

STORE

(2055) E BELDON 77-6 S Pine. Two-story and basement concrete store.
Owner—Lucien Lerdon, 175 Pine St., San Francisco.
Architect—None.
Contractor—Mission Concrete Co., Call Bldg., San Francisco. $6850

DWELLING

(2056) W FANON AVE 400 S Holloway. One-story and basement frame dwelling.
Owner—McCarthy Co., 715 Bush St., San Francisco.
Architect—None.
Contractor — Jas. Arnott & Son, 235 Granville Way, S. F. $2800

DWELLINGS

(2057) S GRANVILLE WAY 250 and 287½ E Claremont. Two one-story and basement frame dwellings.
Owner—Jas. Arnott, 235 Granville Way, San Francisco.
Architect—None.
Contractor — Jas. Arnott & Son 235 Granville Way, S. F. $6000 each

DWELLING

(2058) N ALLSTON WAY 249 E Claremont. One-story and basement frame dwelling.
Owner—Jas. Arnott, 235 Granville Way, San Francisco.
Architect—None.
Contractor — Jas. Arnott & Son 235 Granville Way, S. F. $6000

DWELLING

(2059) E MERCED AVE 200 N Pacheco. One-story and basement frame dwelling.
Owner—Theo. Fershtand, Hearst Bldg., San Francisco.
Architect—None.
Contractor — Jas. Arnott & Son 235 Granville Way, S. F. $8500

DWELLING

(2060) LOT 12 BLK 24, St. Francis Wood Extn. No. 2. All work for one-story and basement frame dwelling.
Owner—Homes Loan Corp., 278 Post St., San Francisco.
Architect—Chas. F. Strothoff, 278 Post St., San Francisco.
Contractor — Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed May 12, '22. Dated May 12, '22.
Enclosed ..... $187.
Brown coated 1875
Completed and accepted 1875
Usual 35 days 1875
TOTAL COST, $7500
Bond, $3750. Sureties, Chas. Monson & E. H. Norman. Limit, 90 days. Forfeit $5. Plans and specifications filed.

(2061) W BRODERICK 100 S Ellis. Two-story and basement frame (2) flats.
Owner—Mrs. Adele E. Kenney, 1761 Market St., San Francisco.
Architect—None.
Contractor—Olson & Peterson, 289 Fell St., San Francisco $8000

DWELLING

(2062) E SANCHEZ 81 N Clipper. One story and basement frame dwlg.
Owner—Geo. Kimball Jr., 165 Lexington Ave., San Francisco.
Architect—None.
Contractor—Arthur H. Klahn, 1434 21st Ave., San Francisco $2800

DWELLING

(2063) S QUESADA 125 W Railroad Ave. Two-story and basement frame dwelling.
Owner—F. Bausemer, 1553 Thomas Ave., San Francisco.
Architect—None.
Day's work. $2700

ALTERATIONS

(2064) SW LARKIN AND WILLOW Ave. All work for alterations to building.
Owner—Mr. R. C. Tucker, 80 Post St., San Francisco.
Architect—Andrew H. Knoll, Hearst Bldg., San Francisco.

Contractor — John Morton, Balboa Bldg., San Francisco.
Filed May 13, '22. Dated May 9, '22.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $2215
Bond, $1107. Sureties, Theo. De Paso, H. F. Papenhausen and Jas. Cantley. Limit, 25 days. Forfeit, none. Plans and specifications filed.

STORE
(2065) N EDDY 187-6 W Taylor N 137-6xW 25. All work for one-story reinforced concrete store.
Owner—Harold J. Schoenfeld, 330 Bankers' Investment Bldg., S. F.
Architect—Fredk. H. Meyer and Albin R. Johnson, 742 Market St., S. F.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
Filed May 13, '22. Dated May 11, '22.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $7950
Bond, $3975. Sureties, H. M. Snyder and Jno. A. Grennan. Limit, 60 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported May 12, 1922, No. 2030.

ALTERATIONS
(2066) NO. 1252 CLAY. Alterations & minor additions to residence.
Owner—A. C. Hammond, Premises.
Architect—None.
Contractor—Geo. M. Merritt, 3014 Geary St., San Francisco. $1800

DWELLINGS
(2067) E FORTY-FOURTH AVE 38, 69, 100, 131, 162 and 193 S Anza. Six one-story and basement frame dwellings.
Owner—John Biller, 460 Montgomery St., San Francisco.
Architect—John H. Powers and John H. Ahnden, 460 Montgomery St., S. F.
Day's work. $4000 each

APARTMENTS
(2068) W TWELFTH AVE 100 S California. Three-story and basement frame (12) apartments.
Owner—Mrs. Regina Hecht and Mrs. Lena Blakesley, 351 Jones St., San Francisco.
Architect—G. A. Berger, 261 Valencia St., San Francisco.
Contractor—Thos. McCormick, 37 Hill St., San Francisco. $38,000

DWELLINGS
(2069) S FLOOD AV 196, 228 E Hazelwood. Two one-story and basement frame dwellings.
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff, 2776 15th St., San Francisco.
Day's work. $3000 each

DWELLINGS
(2070) S GREENWOOD AVE 160 and 200 E Colon. Two one-story and basement frame dwellings.
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chas. Strothoff, 2276 15th St., San Francisco.
Day's work. $3000 each

ALTERATIONS
(2071) NO. 436 GEARY. New store front; tile flooring, etc.
Owner—Elmer Ekbom, Premises.
Architect—None.
Contractor—Mullen Mfg. Co., 64 Rausch St., San Francisco. $1500

ALTERATIONS
(2072) NO. 1133 MARKET. Underpin west wall of three-story brick store and rooming house.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—D. C. Graham, 1100 Franklin St., San Francisco.
Contractor—Fennell & Chisholm, 180 Jessie St., San Francisco. $2995

HOTEL
(2073) N McALLISTER 137-6 W Jones Eight-story and basement reinforced concrete hotel.
Owner—Salvation Army, 115 Valencia St., San Francisco.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.
Contractor—Vukicevich & Bagge, 180 Jessie St., S. F. $220,000

RESIDENCE
(2074) NE PIZZARO WAY & WESTwood Drive. One-story and basement frame residence.
Owner—Mrs. R. H. Hepler, 3219 23rd St., San Francisco.
Architect—None.
Contractor—W. E. Sherwood, 164½ Lexington Ave., S. F. $7000

DWELLING
(2075) N SUNNYSIDE AVE 100 E Forester. One-story and basement frame dwelling.
Owner—James Leslie Barry.
Architect—G. A. Berger, 261 Valencia St., San Francisco.
Day's work. $4000

FRAME FLATS
(2076) W SIXTH AVE 25 S Cabrillo. Two-story and basement frame (2) flats.
Owner—F. Manson, 1972 15th St., S. F.
Architect—None.
Day's work. $5000

DWELLING
(2077) E SANTA PAULA AVE 192 S Portola Ave. One-story and basement frame dwelling.
Owner—Mr. Schacht, % No. 278 Post St., San Francisco.
Architect—Chas. F. Strothoff, 2276 15th St., San Francisco.
Contractor — Nelson Bros., 1375 Plymouth Ave., San Francisco. $5000

FRAME FLATS
(2078) W SEVENTH AVE 269 N Cabrillo. Two-story and basement frame (2) flats.
Owner—Thos. Hamill, 6140 Geary St., San Francisco.
Architect—None.
Day's work. $6000

ALTERATIONS
(2079) S SUTTER 60 E Powell. Construct new store front.
Owner — Sutter-Powell Drug Co., SE Sutter and Powell Sts., S. F.
Architect — O'Brien Bros., Inc., 240 Montgomery St., S. F.
Contractor—Wm. Martin, 180 Jessie St., San Francisco. $1000

RESIDENCES
(2080) W TWENTY-THIRD AVE 109-3, 136-6 and 163-9 S Judah. Three two-story and basement frame residences.
Owner—L. D. Allen & Co., Inc., 3 Monadnock Bldg., S. F.
Architect—J. W. Dolliver, 855 Monadnock Bldg., San Francisco.
Day's work. $5000 each

ALTERATIONS
(2081) SW WASHINGTON & LARKIN Alter flats into apartments.
Owner—P. Crowley, 1611 Washington St., San Francisco.
Architect—None.
Day's work. $4500

ALTERATIONS
(2082) SE SEVENTH AND CLEVELAND. Raise and move church to center of lot; remove and reconstruct certain exterior portions; reinforce walls; construct reinforced concrete boiler room.
Owner—Greek Community, Premises.
Architect—John H. Powers and John H. Ahnden, 460 Montgomery St., San Francisco.
Day's work. $15,000

FRAME FLATS
(2083) W FORTY-EIGHTH AVE 125 S Moraga. Two-story and basement frame (2) flats.
Owner—Herman Weiss, 1689 47th Ave., San Francisco.
Architect—None.
Day's work. $500

STORE
(2084) N CALIFORNIA 100 E Polk. One and 2-story undertaking parlor and store.
Owner—Mr. Franklin, Chronicle Bldg., San Francisco.
Architect—Morow and Garren, Chronicle Bldg., San Francisco.
Contractor—Vukicevich & Bagge, 180 Jessie St., San Francisco $50,000

DWELLING.
(2085) N COTTER 125 W MISSION. Two-story and basement frame dwelling.
Owner—A. DeBenedetti, 20 Cotter St., San Francisco.
Architect—None.
Day's Work. $4000

FLAT
(2286) S GENEVA 120:2 E MISSION. Two-story frame store and flat.
Owner—S. Weiner, 3361 Mission St., San Francisco.
Architect—T. W. Lenzen, 706 Humboldt Bank Bldg., San Francisco.
Contractor—W. J. Black, 1306 Guerrero St., San Francisco. $8000

FACTORY.
(2087) SE HOWARD AND LANGTON Sts. Two-story concrete factory.
Owner—California Wood Carving Co., 144 8th St.
Architect—None.
Contractor—Mission Concrete Co., 517 New Call Bldg., San Francisco. $15,000

ALTERATIONS
(2088) 2257 JACKSON ST. Alter two-story frame residence; rearrange stairways, enlarge rooms, add one room and bath.
Owner—Herbert M Fischbeck, 2257 Jackson St., San Francisco.
Architect—M. J. Lyon, 58 Sutter St., San Francisco.
Day's Work. $1500

ALTERATIONS.
(2089) 50 MARKET STREET. Remove present and construct new front, tile flooring; erect marquise, remove mezzanine floor, etc., for restaurant.
Owner—James Hoyle, 50 Market St., San Francisco.
Architect—None.
Contractor—Theo. S. Hoin, 1739 Washington St., San Francisco. $10,000

ALTERATIONS
(2090) 52 MARKET STREET. Change store front; remove terra cotta partition; tile flooring; rearrange plumbing fo drug store.
Owner—Wakelee Drug Co., 58 Beale St., San Francisco.
Architect—None
Contractor—Theo. S. Hoin, 1739 Washington St., San Francisco. $8000

ALTERATIONS
(2091) NO. 3479-3481 MISSION. General alterations and repairs for grocery store and two flats.
Owner—J. Oberhaus, 3471 Mission St., San Francisco.
Plans by Owner.
Day's work. $3000

DWELLINGS
(2092) W TWENTY-FIFTH AVE 78, 104 and 130 S Balboa. Three one-story and basement frame dwlgs.
Owner — David Leigh, 840 44th Ave., San Francisco.
Architect—None.
Days work. $4000 each

DWELLING
(2093) E TWENTY-SEVENTH AV 245 N Balboa. One-story and basement frame dwelling.
Owner—Maurice J. Flynn, 267 16th Ave., San Francisco.
Architect—None
Day's work. $3000

PLUMBING
(2094) COM. AT PT. 176-11½ E Montgomery 85 S Sutter E 40-6⅞ S 74-9⅞ SW to NW Market SW 50 N 104-6. Plumbing for two-story store and loft building.
Owner—Provident Securities Co., Crocker Bldg., San Francisco.
Architect—Willis Polk Co., Hobart Bldg., San Francisco.
Contractor — Wm. F. Wilson Co., 328 Mason St., San Francisco.
Filed May 15, '22. Dated May 6, '22.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $1376
Bond, $1236. Sureties, Thos. J. Christol and Chas. H. Caulfield. Limit, Aug. 10, 1922. Forfeit, none. Plans and specifications filed.

(2095) ELEVATOR WORK ON above.
Contractor—Farrell & Reed Co., 180 Jessie St., San Francisco.
Filed May 15, '22. Dated May 6, '22.
Payments same as above.....
TOTAL COST, $14,000
Bond, $14,000. Sureties, Howard S. Williams and L. B. Sibley. Limit, Aug. 10, 1922. Forfeit, none. Plans and specifications filed.

(2096) N GEARY E LEAVENWORTH. Plumbing for a 5-story apartment building.
Owner—G. B. Pasqualetti, 746 Union St., San Francisco.
Architect—C. H. Barrett, 381 Bush St., San Francisco.
Contractor—C. Petersen Co., 730 Larkin St., San Francisco.
Filed May 15, 1922. Dated Mar. 16, '22.
On or before 5th of each month.75%
25 days after.....25%
TOTAL COST, $17,200
Bond, sureties, forfeit, limit, none. Plans and specifications not filed.

(2097) E MISSION 235 S Twenty-fifth S 25x115. All work for three-story apartment building.
Owner—Thos. I. Janes, 1531 Sutter St., San Francisco.
Architect—Frank S. Holland, 1629 Folsom St., San Francisco.
Contractor—Fred Warden, 240 Montgomery St., San Francisco.
Filed May 15, 1922. Dated May 1, 1922.
Frame up and rustic on.....$5439
Brown coated 5439
Completed and accepted..... 5439
Usual 35 days 5439
TOTAL COST, $21,756
Bond, $13,878. Sureties, Chas. Monson and Albin Warden. Forfeit, none. Limit, 75 days. Plans and specification filed.

DWELLINGS
(2098) W ELEVENTH AVE 24 and 42 N Kirkham. Two one-story and basement frame dwellings.
Owner — W. C. Petersen, 1570-A Eddy St., San Francisco.
Architect—None.
Day's work. $3000 each

ALTERATIONS
(2099) NO. 1641 HOWARD. Alter 2-story frame building into apartments.
Owner— Josephine MacMillen, 151 Duncan St., San Francisco.
Architect—None.
Contractor — R. S. K. MacMillen, 151 Duncan St., San Francisco. $2000

DWELLING
(2100) S JOOST AVE 100 E Forester. One-story and basement frame dwelling.
Owner—Estate of Ellen Bishop.
Architect—H. Bishop, 410 Forester Ave. San Francisco.
Contractor — H. Bishop, 410 Forester Ave., San Francisco. $2500

ALTERATIONS
(2101) NO. 349 MONTGOMERY. Build balcony; hardwood paneling, etc., for restaurant.
Owner—Collins & Wieland, California and Montgomery Sts., S. F.
Architect—None.
Contractor—Sass & Son, 134 St. Anne St., San Francisco. $1196

BAKE OVEN
(2102) NO. 2645 MISSION. Construct brick bake oven.
Owner—A. Crey, 735 Clayton St., San Francisco.
Architect—None.
Contractor—Paul Metz, 855 44th St., Oakland. $1400

RESIDENCE
(2103) N ROLPH 25 E Madrid. One-story and basement frame residence.
Owner—Fred H. Johnson, 123-A San Jose Ave., San Francisco.
Architect—None.
Day's work. $3700

ALTERATIONS
(2104) NO. 775 SANCHEZ. Alter for basement garage; add perch and bay window to dwelling.
Owner—G. W. Fisher, Premises.
Architect—None.
Contractor—J. Callaghan, 900 Clayton St., San Francisco. $1000

DWELLING
(2105) N ULLOA 32-6 E Thirty-first Ave. One-story and basement frame dwelling.
Owner — Daniel O'Connell, % No. 240 Montgomery St., San Francisco.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—Fred Warden, 240 Montgomedy St., San Francisco. $5000

RESIDENCE
(2106) S SANTA ANA AVE 16 E St Francis. Two-story and basement frame residence.
Owner—Elsie C. Barbour, 1090 Pine St., San Francisco.
Architect—H. H. Gutterson, 278 Post St., San Francisco.
Contractor—Moors & Madsen, 77 O'Farrell St., San Francisco. $18,500

FRAME FLATS
(2107) E DIVISADERO 165 N Union. Two-story and basement frame (2) flats.
Owner—John Pennington, 2828 Folsom St., San Francisco.
Architect—W. L. Schmolle, 40 Montgomery St., San Francisco.
Day's work. $10,000

DWELLING
(2108) W FIRST AVE 225 N Balboa. One-story and basement frame dwelling.
Owner—Mrs. Brida J. Sentz, 653 Arguello Blvd., San Francisco.
Designer—J. H. Therup, 654 21st Ave., San Francisco.
Contractor—J. H. Thorup, 654 21st Ave., San Francisco. $4000

DWELLING
(2109) W SEVENTH AVE 200 N Kirkham. Two-story and basement frame dwelling.
Owner—Mrs. Emma T. Nichols.
Architect—None.
Contractor—Hannah Bros., 142 Sansome St., San Francisco. $7000

APARTMENTS
(2110) SE GEARY AND TWENTY-first Ave. Three-story and basement frame (4) apartments.
Owner—P. Midbust, 177 Caselli Ave., San Francisco.
Architect—None.
Day's work. $14,000

DWELLING
(2111) E ELEVENTH AVE 200 S Clement. One-story and basement frame dwelling.
Owner—Frank Mueller.
Architect—E. A. Neumarkel, 544 Market St., San Francisco.
Day's work. $5000

CONCRETE FOUNDATIONS, ETC.
(2112) NW FAIR OAKS & TWENTY sixth. Concrete foundations and floors, underpinning, etc., for two flats.
Owner — Mary C. and P. E. Reily, 476 Fair Oaks St., San Francisco.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Day's work. $3000

FRAME FLATS
(2113) E FIFTEENTH AVE 264 N Balboa. Two-story and basement frame (2) flats.
Owner—P. Midbust, 177 Caselli Ave., San Francisco.
Architect—None.
Day's work. $6000

RESIDENCE
(2114) W MONTALVO 70 S Dorantes. Two-story and basement frame residence.
Owner—Edward Ward, 50 Ashbury St., San Francisco.
Architect—Harold Stoner, 1st National Bank Bldg., San Francisco.
Contractor—Julius Berge, 1234 30th Av., San Francisco. $6900

FRAME DWELLING
(2115) S PALOU 250 W Lane. One-story and basement frame dwlg.
Owner—John Reiff, 1357 Jerrold Ave., San Francisco.
Architect—None.
Contractor—Madden-Hammersmith Development Co., 530 Pacific Bldg., San Francisco. $2940

FRAME FLATS
(2116) E SEVENTEENTH AVE 75 N California. Two-story and basement frame (2) flats.
Owner—Geo. Crowe, 1930 Steiner St., San Francisco.
Architect—None.
Contractor—J. W. Marsden, 507 Cole St., San Francisco. $8500

DWELLING
(2117) E SAN JOSE AVE 25 S Gorham One-story and basement frame dwelling.
Owner—F. B. Michel, 73-A Delmar St., San Francisco.
Architect—None.
Contractor—Henry S. Meyer, 53 Walter St., San Francisco $3000

DWELLING
(2118) S SHAFTER 37½ W Ingalls One-story and basement frame dwelling.
Owner—Geo. A. and Laura A. Prevost, 1643 Oakdale Ave., San Francisco.
Architect—None.
Contractor—Madden-Hammersmith Development Co., 530 Pacific Bldg., San Francisco. $3490

RESIDENCE
(2119) W TWENTY-THIRD AVE 25 N Fulton. Two-story and basement frame residence.
Owner—Nick Hemmings, 705 22nd Ave., San Francisco.
Architect—None.
Day's work. $4000

ADDITION
(2120) S WASHINGTON — near Sansome. One-story addition for market building.
Owner—C. Stockholm & Son, Monadnock Bldg., San Francisco.
Engineer—T. Ronneberg, Crocker Bldg. San Francisco.
Day's work. $4000

APARTMENTS
(2121) NW GEARY & TWENTY-seventh Ave. Three-story and basement frame (10) apartments.
Owner—Thos. Hamill, 6140 Geary St., San Francisco.
Architect — J. J. Foley 770 5th Ave., San Francisco.
Day's work. $40,000

APARTMENTS
(2122) N SACRAMENTO 137-6 W Jones W 60xN 70. All work for three-story and basement frame apartment house.
Owner—Henry and Hattie M. Tillman.
Architect—Wm. F. Gunnison, 1660 Golden Gate Ave., San Francisco.
Contractor—Jas. L. McLaughlin, 251 Kearny St., San Francisco.
Filed May 17, '22. Dated May 15, '22. Payments as evidenced by notes secured by deeds of trust....
TOTAL COST, $42,000
Bond, none. Limit, 120 days. Forfeit, plans and specifications, none.

CLASS C BLDG.
(2123) S TURK 137-6 W Taylor W 50 xS 137-6. All work except plumbing, shades and electric fixtures for two-story and basement Class C reinforced building.
Owner—Mortimer A. Samuel, Alexander Bldg., San Francisco.
Supervising Architect — August G. Headman, New Call Bldg., S. F.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
Filed May 17, '22. Dated May 15, '22.
1st floor joists set.....$14,899
Ready for roofing..... 7,399
Completed and accepted..... 7,399
Usual 35 days..... 7,399
TOTAL COST, $37,096
Bond, $18,548. Sureties, Geo. W. Hooper and Jno. A. Grennan. Limit, 120 days. Forfeit, $20. Plans and specifications filed.

APARTMENTS
(2124) N CLAY 107-6 W Leavenworth W 30x137-6. All work for 12 3-room apartment building (three-story and basement frame).
Owner—Frank E. and Milicent E. Pearson, 1440 Clay St., S. F.
Plans by Contractor.
Contractor — Kincanon & Perego, 159 Sutter St., San Francisco.
Filed May 17, '22. Dated May 16, '22.
From Bank of Italy on Mtg...$20,000
From Wm. Nelson on Mtg..... 7,500
In 60 days from date hereof.. 5,375
On completion of building.... 5,775
TOTAL COST, $38,250
Bond, none. Limit, 120 days after May 20. Forfeit, none. Plans and specifications filed.

FRAME FLATS
(2125) W BRODERICK 100 S Ellis 25 x100. All work for two-story frame flats.
Owner—David F. and Adele E. Kenney, 1751 Market St., San Francisco.
Architect—None.
Contractor—Andrew Olson and Edwin S. Persson, 289 Fell St., S. F.
Filed May 17, '22. Dated May 16, '22.
Frame up & roof boards on..$1856.25
Ready for lathing..... 1856.25
White coated 1856.25
Completed and accepted..... 1856.25
Usual 35 days..... 2475.00
TOTAL COST, $9900.00
Bond, $4950. Sureties, S. Persson and Wm. Norrington. Limit, 100 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(2126) W TWENTY-SEVENTH AVE 100 S Irving. All work for frame residence.
Owner—E. C. Glynn, 2937 16th St., S. F.
Architect — Edward E. Young, 251 Kearny St. San Francisco.
Contractor—D. L. Bienfield, 1405 Clement St., San Francisco.
Filed May 17, '22. Dated May 1, '22.
Roof on 25%
Brown coated 25%
Completed and accepted..... 30%
Usual 35 days..... 20%
TOTAL COST, $8350
Bond, limit, forfeit, none. Plans and specifications filed.

REPAIRS
(2127) SW PACIFIC AND GRANT Ave. All work for repairs to bldg.
Owner—Sullivan Estate Co.
Architect—None.
Contractor—Charles Andrews, 2706-B Mission St., San Francisco.
Filed May 17, '22. Dated May 13, '22.
On completion $163.71
10 days after..... 163.71
TOTAL COST, $327.42
Bond, $250. Surety, T. Walsh. Limit, forfeit, none. Specifications only filed.

FRAME FLATS
(2128) E TWELFTH AVE 225 N Anza Two-story and basement frame (2) flats.
Owner—D. Elliot, 1276 Jones St., S. F.
Architect—E. A. Hermann, 89 Broadway, San Francisco.
Contractor—C. Lindberg, 257 Surrey St., San Francisco. $10,850

STORES
(2129) NE CLEMENTH & ELEVENTH Ave. One-story reinforced concrete stores.
Owner—Welisch & Blum, % Architect.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Contractor—Mission Concrete Co., Call Bldg., San Francisco. $20,000

FRAME STORE, ETC.
(2130) N IRVING 92 W Seventh Ave. One-story and basement frame store and flat.
Owner — T. A Burns, 243 Drumm St., San Francisco.
Architect—None.
Day's work. $2000

RESIDENCE
(2131) NE JUDAH & NINETEENTH Ave. One-story and basement frame residence.
Owner—S. E. Brown, 1434 6th Ave., San Francisco.
Architect—None.
Day's work. $3000

DWELLING
(2132) E TWENTY-SEVENTH AVE 150 N Lake. Two-story and basement frame dwelling.
Owner—Rice Bros., 1227-A Pacific Ave. San Francisco.
Architect—None.
Day's work. $5000

DWELLING
(2133) E TENTH AVE 100 N Cabrillo. One-story and basement frame dwelling.
Owner—Mrs. Emma C. Case, 826 Buchanan St., San Francisco.
Architect—None.
Contractor—L. H. Peterson, 45 Worth St., San Francisco. $5300

RESIDENCE
(2134) N ULLOA 32-6 E Thirty-first Ave E 25xN 100. All work for one-story and basement frame residence.
Owner—Daniel O'Connell, % No. 240 Montgomery St., San Francisco.
Architect — O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor — Fred Warden, 68 Concord St., San Francisco.
Filed May 18, '22. Dated May 6, '22.
Framed and enclosed. $1500.00
Interior plastered 1st coat.. 1500.00
Completed and accepted..... 1162.50
Usual 35 days..... 1387.50
TOTAL COST, $5550.00
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FLATS, ETC.
(2135) S CALIFORNIA 75 W Larkin W 39-6 S 80-6 E 25 N 44 E 14-6 N 36-6. All work for two-story frame (2 flats and garage) and two story frame (1 flat and store).
Owner—J. B. Rusconi, 1422 California St., San Francisco.
Architect—None.
Contractor—V. Filippis, 1527 Powell St., San Francisco.
Filed May 18, '22. Dated May 16, '22.
Ceiling joists in $3862.50
Ready for lathing..... 2862.50
Completed 3862.50
Usual 35 days..... 3862.50
TOTAL COST, $15 450.00
Bond, $7225. Sureties, Rey Smith and R. S. Firmstone. Limit, 120 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

May 18, 1922—LOTS 17, 18, 19, 20 and 21 Blk 3160, Westwood Park. Hans and Esther Nelson to whom it may concern.....May 16, 1922

May 18, 1922—W TWENTIETH AVE 558-7 S Balboa 50x120. Ernest Nelson to whom it may concern.....May 18, 1922

May 18, 1922—LOT 5 BLK 50, Reis Tract. Emelie Rehberg to J Neish .....May 17, 1922

May 18, 1922—W NINTH AVE 100 S Clement No. 317, 319, 321 Ninth Ave. Lee and Lena Rose to whom it may concern.....May 17, 1922

May 17, 1922—LOT 1 BLK 17, St. Francis Wood Extn No. 1. Homes Loan Corp to Mangels Bros.....May 15, 1922

May 17, 1922—E HYDE 87 S Clay 50-6x112-6. Zirker Bros to Kincanon & Perego.....May 17, 1922

May 17, 1922—LOT 19 BLK 6743 Mission and 30th Sts. Extn Hd. Crocker Estate Co to J A Arnott.....May 8, 1922

May 17, 192—(1) LOT 9 BLK 10, Crocker Amazon Tct; (2) Lot 13 Blk 10, Crocker Amazon Tct; (3) Lot 16 Blk 10, Crocker Amazon Tct; (4) Lot 26 Blk 10, Crocker Amazon Tct; (5) W Edinburgh dist N 29° 22' E 356 from N Cor. Edinburgh and Geneva Ave, Ptn Lots 20, 21, 22 and 23 Blk 9, Crocker Amazon Tct.; (6) W Edinburgh dist N 29° 21' E 275 from N Cor. Edinburgh and Geneva Ave, Ptn Lots 20 to 23 Blk 9, Crocker Amazon Tct.; (7) Lot 24 and ½ Lot 25 Blk 9, Crocker Amazon Tct. Crocker Estate Co to Albin M Samuelson..May 11, 1922

May 17, 1922—E PARIS dist 29° 22' E 300 from E Paris and Geneva Ave Ptn Lots 14, 15, 16 and 17 Blk 7, Crocker Amazon Tct. Crocker Est Co to Albin M Samuelson.May 11, '22

May 17, 1922—W Lisbon dist N 29° 22' E 308 from N Lisbon and Geneva Ave Ptn Lots 18, 19, 20 and 21 Blk 7, Crocker Amazon Tct. Crocker Estate Co to Albin M Samuelson..May 11, 1922

May 17, 1922—E EDINBURGH dist 29° 22' E 360 from E Edinburgh and Geneva Ave Ptn Lots 17, 18, 19 and 20 Blk 10, Crocker Amazon Tct; (2) E Naples dist N 29° 21' E 355 from E Naples & Geneva Ave Ptn Lots 18, 19, 20 and 21 Blk 17 Crocker Amazon Tct. Crocker Est Co to Albin M Samuelson.....May 11, 1922

May 17, 1922—LOT 7 BLK 6, Forest Hill. Gilbert Dorey to whom it

may concern.....May 17, 1922

May 17, 1922—W NINETEENTH AVE 146 N Cabrillo 30-6x120. P Midbust to whom it may concern... .....May 17, 1922

May 17, 1922—LOT 25x120 on W 16th Ave 250 N Balboa. P Midbust to whom it may concern..May 17, 1922

May 17, 1922—LOT 20 BLK 6743 Addition to Mission and 30th Sts. Extn Hd. Union. Crocker Estate Co to J A Arnott.....May 8, 1922

May 16, 1922—NW FAIR OAKS AND 26th 100 on 26th by 60. Mary C Reily to A J Reeder....May 13, 1922

May 16, 1922—N PACIFIC AVE 127 W Larkin 53x100. August Livernais to F L Hansen.....May 15, 1922

May 15, 1922—S MISSION 75 E Sixth E 50xS 80. J S Morgan & Sons to MacGruer & Simpson, May 6; Fred Wagner, May 11 and H S Tittle... .....May 6, 1922

May 15, 1922—SE HYDE AND CLAY 157-6 E Hyde E 42-6 S 137-6 W 62-6 N 69-6 E 20 N 68-9. G W Burnett to whom it may concern.May 15, 1922

May 16, 192—W JONES 100 N Bush N 37-6x137-6. L B Ham to whom it may concern.....May 16, 1922

May 16, 1922—E TWENTY-THIRD Ave 250 N Fulton N 100xE 120. Jonathan Anderson to Meyer Bros .....May 16, 1922

May 16, 1922—NW PINE AND MONTgomery N 125xW 138-6. Commercial Union Assurance Co, Ltd and the California Insurance Co to California Artistic Metal & Wire Co.. .....May 10, 1922

May 16, 1922—W ALABAMA 300 S Precita Ave 25x110. Marian Bondi Dindia to Wm H Grahn..May 1, 1922

May 16, 1922—S FAIRMOUNT 50 W Academy W 25x100. Edith Loretz to Henry Erickson and Axel Anderson.....May 15, 1922

May 16, 1922—S ALVARADO 130 W Castro. Wm A Kane to John J Binet.....May 2, 1922

May 16, 1922—E COLLINGWOOD 227 S 19th: No. 248 Collingwood. Bernhardt & Pereira to whom it may concern.....May 16, 1922

May 15, 1922—NE BOSWORTH AND Cuvier E Cuvier 75 N Bosworth. H S Thomson to whom it may concern.....May 12, 1922

May 15, 1922—E CUVIER 50 N Bosworth, N Bosworth 25 E Cuvier N S Thomson to whom it may concern.....May 12, 1922

May 15, 1922—W TWENTY-7TH AVE 200 N Geary N 25x120. H O Lindeman to W H Lindeman..... .....May 15, 1922

May 15, 1922—NE NEW MONTGOMery and Mission. A Aronson, L Metzger and L Schoenberg to J St. Denis Co, May 11; P Grassi & Co, Mar. 22; Ginsberg Tile Co.May 11, '22

May 15, 1922—NO. 115 SAN JOSE AVE Annie and Hattie Wyatt to Jas Jensen .....May 8, 1922

May 15, 1922—SW BUSH & STOCKton W 60 S 39-6 E to W Stockton th along W Stockton to S Bush. Julius Goldstein to Edw L Soule Co, May 6 and Alta Roofing Co... .....May 6, 1922

May 15, 1922—NO. 1198 MARKET. Seagrave Bros to Fink & Schindler Co.....May 13, 1922

May 12, 1922—S BUSH 77-6 W Leavenworth S 137-6xW 30. John O Tillow to Golden Gate Iron Works .....May 12, 1922

May 11, 1922—SE MARKET with NE Beale SE along NE Beale 138-3x NE 137-6. Henry M Holbrook to Lindgren Co.....May 10, 1922

May 12, 1922—W WEBSTER 137-6 S McAllister No. 831 Webster. Louis Silberstein to W B Demarias..... .....May 5, 1922

May 12, 1922—N CALIFORNIA 60 W Twenty-fifth Ave W 30xN 100. Panagiotis & Evdokia P Evergetis to Arthur M Hardy.....May 10, 1922

May 12, 1922—E SIXTEENTH AVE 35 N Judah N 25xE 100. Harold A & Edith Keller to whom it may concern.....April 26, 1922

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

May 18, 1922—N GEARY 103-1½ E Leavenwort E 34-4½xN 137-6. C Petersen Co vs Natale, Michele and Giovanni Ross & G B Pasqualetti $10,000

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount

May 15, 1922—W ASHBURY 25 N Hayes N 50xW 76-3. Carl Frank to J W Ellings and Western Constr Co .....

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

May 18, 1922—N GEARY 137-6 W Mason W 68-9xN 137-6. Sommerton Investment Co as to improvements on property.....

May 17, 1922—NW MASON AND Ellis, Hotel Larne, No. 202 and 208 Ellis. Jennie M Blair as to improvements on property.....

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
2204	Hollidge	Owner	5000
2205	Same	Same	10000
2206	Kinney	Owner	4000
2207	Kneier	Boeddeker	2800
2208	Gladney	Woodard	5500
2209	Shields	Lassen	4000
2210	Spring	Owner	3500
2211	Stowe	Leber	4500
2212	Eastern	Mayhorn	1680
2213	Killgore	Owner	2900
2214	Williams	Owner	3000
2215	Barnes	Barnard	1440
2216	Retzer	Healy	6000
2217	White	Needham	1500
2218	Healy	Owner	3000
2219	Rormds	Westlund	1200
2220	Masonic	Crowe	3739
2221	Same	Krenz	20211
2222	Same	Kurtz	29810
2223	Claremont	Heger	1950
2224	Beverly	Owner	2500
2225	Portor	Owner	3250
2226	General	Cahill	1200
2227	Ganbert	Owner	4000
2228	Rudolph	Ristrom	3400
2229	Nairne	Owner	600
2230	Durant	National	1390
2231	Regents U C	Pearson	3100
2232	Taggert	Cardy	2500
2233	Brigg	Krieger	6000
2234	Detrick	Henderson	10000
2235	Fleager	Owner	1500
2236	Jonsson	Patterson	5000
2237	Saroni	Pond	2800
2238	Greenhood	Owner	5000
2239	Fox	MacDonald	350000
2240	Parker	Chambers	4500
2241	Adams	Owner	4000
2242	Frensen	Owner	3000
2243	Holbrook	Owner	1800
2244	Walhgren	Petersen	4600
2245	Monbrim	Legault	2950
2246	Orr	Blabon	3400
2247	Shindler	Brasch	6000
2248	Hendrickson	Owner	1000
2249	McChesney	Owner	1000
2250	Grave	Owner	4000
2251	McClurg	Duval	2000
2252	Cresby	Owner	4000
2253	Tudor	McWethy	5000
2254	Tisch	Sommarstrom	20000
2255	Saroni	Chrestensen	30000
2256	Farley	Barnett	10200
2257	de Montbrun	Legault	3050
2258	Pugh	Knight	6500
2259	Vieira	Peterson	3800
2260	Whalen	Owner	3500
2261	Zigler	Rose	1000
2262	Tapscott	MacDonald	175000
2263	Clarke	Richmond	3000
2264	Gow	Owner	1000
2265	Feldhusen	Van Horn	2000
2266	Isaacs	Owner	3750
2267	Isaacs	Owner	3750
2268	Isaacs	Owner	3750
2269	Isaacs	Owner	11250
2270	Isaacs	Owner	33750
2271	Renner	Petersen	7500
2272	Clarke	Strothoff	5000
2273	Saroni	Pond	10000
2274	Zerwer	Owner	2000
2275	Stedman	Eaton	2950
2276	Never	Pratt	3200
2277	Theta Chi Frat	Henderson	18500
2278	Tynell	Ahlstrom	3400
2279	Hoefler	Brennan	4000
2280	Johnson	Owner	2400
2281	Atkinson	McWethy	9000
2282	Lerer	Hewitt	6000
2283	Dreyer	Doss	5500
2284	McCourtney	Stewart	3000
2285	Sigwald	Owner	2500
2286	Felicano	Hewitt	2800
2287	Kepple	Owner	3800
2288	Cronin	Little	3500
2289	Brown	Stenbro	7000
2290	Brazier	Owner	2500
2291	Parsons	Parsons	3000
2292	Armstrong	Hendrickson	3500
2293	Bertelsen	Bertelsen	8500
2294	Rogers	Owner	4000
2295	Mohr	Schawder	3500
2296	Burnham	Hazzard	1937
2297	Nelson	Williford	9750
2298	Oakes	Theile	3400
2299	Correa	King	6275
2300	Stephenson	Henderson	4950
2301	Holiday	Hudson	1900
2302	Lucas	Anderson	2500
2303	Fox	Horton	1800
2304	Robertson	Williams	2500
2305	Clevenger	Easterly	4700
2306	Hinch	Owner	3000
2307	Erickson	Myers	2200
2308	Grubb	Owner	4500
2309	Roberts	Shaw	3200
2310	Hill	Williams	2000

DWELLING

(2204) SW CAPELL & EXCELSIOR, Oakland. One-story 6-room dwlg.

Owner—Geo. H. Hollidge, 5926 Taft Ave., Oakland.

Architect—None

Day's work. $5000

DWELLINGS

(2205) W CAPELL 40 and 80 S Excelsior, Oakland. Two one-story 6-room dwellings.

Owner — Geo. H. Hollidge, 5926 Taft Ave., Oakland.

Architect—None.

Day's work. $5000 each

DWELLING

(2206) S ELLIOTT 60 E Bay View, Oakland. One-story 6-room dwlg.

Owner—C. H. Kinney, 480 Hardy St., Oakland.

Architect—None.

Day's work. $4000

DWELLING

(2207) NO. 2608 FRUITVALE AVE., Oakland. Two-story 4-room dwlg.

Owner—Fred Kneier, Premises.

Architect—None.

Contractor—Jos. Boeddeker, 1814 34th Ave. Oakland $2800

DWELLING

(2208) N LAGANITOS AVE 100 E Euclid, Oakland. One-story 6-room dwelling and garage.

Owner—S. S. Gladney.

Architect—None

Contractor—F. W. Woodard, 535 Merritt Ave., Oakland. $5500

DWELLING

(2209) E THOMAS 150 N Napa, Oakland. One-story 6-room dwelling.

Owner—John A. Shields, 5315 College Ave., Oakland.
Architect—None.
Contractor—H. & C. Lassen, 5323 College Ave., Oakland. $4000

DWELLING
(2210) S VICENTE 270 W Colusa St., Berkeley. Two-story six-room dwelling.
Owner—Spring Estate Co., Solano and Colusa Sts., Berkeley.
Architect—None.
Day's work. $3500

DWELLING
(2211) S ALMA AVE 300 N Chatham Road, Oakland. Two-story 7-room dwelling.
Owner—C. E. Stowe, 1679 E-32nd St., Oakland.
Architect—None.
Contractor — C. Leber, 3030 Champion St., Oakland. $4500

FACTORY
(2212) SW DERBY AND CHAPMAN, Oakland. One-story factory.
Owner—Eastern Orange Juice Co., Oakland.
Architect—None.
Contractor—B. F. Mayhorn, 128 10th St., Oakland $1680

DWELLING
(2213) N EVERETT AVE 675 E Park Blvd., Oakland. One-story 5-room dwelling.
Owner—W. A. Killgore, 810 Brooklyn Ave., Oakland.
Architect—None.
Day's work. $2900

DWELLING
(2214) S FORTIETH 125 W Market, Oakland. One-story 5-room dwlg.
Owner—E. R. Williams, 3381 Peralta Ave., Oakland.
Architect—None.
Day's work. $3000

ALTERATIONS
(2215) NO. 5648 MILES AVE., Oakland Alterations and additions.
Owner—W. H. Barnes, Premises.
Architect—None.
Contractor—C. S. Barnard, 2312-B Prince St., Berkeley. $1440

DWELLINGS
(2216) S NEVIL 40 and 80 E Harrington, Oakland. Two one-story 5-room dwellings.
Owner—Wm. Retzer, Federal Bldg., Oakland.
Architect—None.
Contractor—P. J. Healy, 39 Nace Ave., Piedmont. $3000 each

STORES
(2217) NE 103RD AVE AND E-14TH St., Oakland. One-story stores.
Owner — B. B. White & Son, 1807 3rd Ave., Oakland.
Architect—None.
Contractor—A. S. Needham, 1214 Walnut St., Berkeley. $1500

DWELLINGS
(2218) S SPRUCE 370 and 410 E Adeline, Oakland. Two one-story 5-room dwellings.
Owner—P. J. Healy, 39 Nace Ave., Piedmont.
Architect—None.
Day's work. $3000 each

STATION
(2219) NW TRASK AND FOOTHILL Blvd., Oakland. One-story brick station.
Owner—T. R. Rormds.
Architect—None.
Contractor — F. J. Westlund, 351 12th St., Oakland. $1200

GLASS AND GLAZING
(2220) NEAR TOWN OF DECOTO. Washington Tp. Glass and glazing for addition to hospital and 2 dormitories.
Owner—Masonic Homes of Calif.
Architect—William Mooser and Edward G. Bolles, Nevada Bank Bldg., San Francisco.
Contractor—J. B. Crowe, 1055 Post St., San Francisco.
Filed May 10, '22. Dated Apr. 26, '22.
1st and 15th of each month.... 75%
Usual 35 days..... 25%
TOTAL COST, $3739
Bond, $1870. Surety, Republic Casualty Co. Limit, 214 days. Forfeit, $10. Plans and specifications filed.

(2221) METAL WORK, FIRE DOORS and kalsomine work on above.
Contractor—The Oscar Krenz Copper & Brass Works, 626 Bryant St., San Francisco.
Filed May 10, '22. Dated Apr. 26, '22.
Payments same as above.....
TOTAL COST, $20,211
Bond, $10,500. Sureties, J. E. O'Mara and G. A. Wieland. Limit, 214 days. Forfeit, $10. Plans and specifications filed.

(2222) PLUMBING, SEWERING, heating and electric work on above
Contractor — O. Kurtz, 445 Stevenson St., San Francisco.
Filed May 10, '22. Dated Apr. 26. '22.
Payments same as above.....
TOTAL COST, $39,819
Bond, $20,000. Sureties, Evelyn I. Kurtz and F. A. Kurtz. Limit, 214 days. Forfeit, $10. Plans and specifications filed.

TANK FRAME
(2223) PERALTA RANCHIO, Oakland. Tank frame.
Owner—Claremont Hotel Co., Berkeley
Architect—None.
Contractor—W. S. Heger Jr., Claremont Hotel, Berkeley. $1950

DWELLING
(2224) E SIXTEITH AVE 200 S Trenor Oakland. One-story 5-room dwlg.
Owner—C. H. Beverly, Oakland.
Architect—None.
Day's work. $2500

DWELLING
(2255) E SEMINARY 75 S Bromley, Oakland. One-story 6-room dwlg.
Owner—A. O. Portor, 1701 Seminary Ave., Oakland.
Architect—None.
Day's work. $3250

ALTERATIONS
(2226) NO. 3074 BROADWAY, Oakland. Alterations.
Owner—Gen. Motor Truck Co.
Architect—None.
Contractor—Cahill Bros., 110 Sutter St., San Francisco. $1200

DWELLING
(2227) N COLLEGE COURT 250 W Seminary Ave., Oakland. One-story 5-room dwelling.
Owner — N. Ganbert, 1910 40th Ave., Oakland.
Architect—None.
Day's work. $4000

DWELLING
(2228) NO. 36 MONTE VISTA, Oakland. One-story 4-room dwelling.
Owner—Geo. Rudolph, Premises.
Architect—None.
Contractor—G. M. Ristrom, 170 Glen Ave., Oakland. $3400

DWELLING
(2229) NO. 3149 PERALTA AVE., Oakland. One-story 2-room dwelling.
Owner—T. I. Nairne, 130 E-14th St., Oakland.
Architect—None
Day's work. $600

OFFICE BLDG.
(2230) NE E-FOURTEENTH AND NW Stanley Ave NW 781.80 NE 1032.49 SE 780.90 SW 1031.09, Oakland Metal furring and corner beads, wood and metal lathing for two-story and basemen office building.
Owner—Durant Motor Co. of Calif., Monadnock Bldg., San Francisco.
Architect—None.
Contractor—George Hudson (National Lathing Co.), 681 Market St., San Francisco.
Filed May 13, '22. Dated May 11, '22.
On 10th of ach month..... 75%
Usual 35 days..... 25%
TOTAL COST, $1390
Bond, $695. Surety, Fidelity & Casualty Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

MOVE BLDG.
(2231) UNIVERSITY OF CALIFORnia Grounds, Berkeley. All work for moving botany building.
Owner—Regents of University of California, Berkeley.
Architect—John Galen Howard, 1st National Bank Bldg., San Francisco.
Contractor—E. K. Pearson and A. B. Johnson (Pearson & Johnson) 2031 Bryant St., San Francisco.
Filed May 13, '22. Dated May 10, '22.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $3100
Bond, $3100. Surety, Globe Indemnity Co. Limit, 20 days. Forfeit, $50. Plans and specifications filed.

DWELLING
(2232) NO. 2331 BONAR, Berkeley. One-story 5-room dwelling.
Owner—C. S. Taggart, 2339 Browning St., Berkeley.
Architect—None.
Contractor—C. H. Cardy, 2339 Browning St., Berkeley. $2500

DWELLING
(2233) NO. 1963 EL DORADO ST., Berkeley. Two-story 6-room dwlg.
Owner—A. G. Brigg.
Architect—None.
Contractor—C. J. Krieger, 2930 Harper St., Berkeley. $6000

DWELLING
(2234) NO. 211 HILLCREST ROAD, Berkeley. Two-story 8-room dwlg
Owner—E. Detrick.
Arvhitect—None.
Contractor—E. F. Henderson, 5744 Keith Ave., Oakland. $10,900

ADDITION
(2235) NO 927 INDIAN ROCK AVE., Berkeley. Addition.
Owner—C. E. Fleager, Premises.
Architect—None.
Day's work. $1500

APARTMENTS
(2236) NO. 2319-21 ROOSEVELT ST., Berkeley. Two-story 12-room apts.
Owner—A. G. Jonsson, 2321 Roosevelt St., Berkeley.
Architect—None.
Contractor—G. D. Patterson, 1545 Dwight Way, Berkeley. $5000

DWELLING
(2237) NO. 2320 SPAULDING, Berkeley. One and one-half-story 5-room dwelling.
Owner—Louis Saroni, San Francisco.
Architect—None.
Contractor—C. P. Pond, 1163 Ashmount Ave., Oakland. $2800

DWELLING
(2238) NO. 925 SAN BENITO ROAD, Berkeley. One-story 7-room dwlg.
Owner—Jesse F. Greenhood, 922 San Benito Road, Berkeley.
Architect—None.
Day's work. $5000

OFFICE BLDG.
(2239) E BROADWAY 75 S Nineteenth Oakland. Three-story concrete theatre and office building.
Owner—Fox Film Corp.
Architect—Weeks & Day, Phelan Bldg, San Francisco.

Contractor — MacDonald & Kahn, 130 Montgomery St., San Francisco. $350,000

DWELLING
(2240) E BROADWAY 200 S Napa, Oakland. One-story 5-room dwlg.
Owner—George Parker.
Architect—None.
Contractor—J. F. Chambers, Plaza Bldg Oakland. $4500

DWELLING
(2241) E BROADWAY 160 S Ocean View Drive, Oakland. One-story 6 room dwelling.
Owner—W. E. Adams, 965 55th St., Okd.
Architect—None.
Day's work. $4000

DWELLING
(2242) COLUMBIA PARK, Oakland. One-story 6-room dwelling.
Owner—E. Fransen, 138 Chestnut St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(2243) N E-TWENTY-EIGHTH 150 E 13th Ave., Oakland. One and one-half-story 4-room dwelling.
Owner— E. H. Holbrook, 1346 E-28th St., Oakland.
Architect—None.
Day's work. $1800

DWELLING
(2244) N E-THIRTY-THIRD 90 E Elliott, Oakland. One-story 7-room dwelling.
Owner—W. Walhgren, Bay View Ave., Oakland.
Architect—None.
Contractor—Alfred Petersen, 3918 Linwood Ave., Oakland. $4600

DWELLING
(2245) S FIFTIETH 150 W Manila Ave., Oakland. One-story 5-room dwelling.
Owner—H. Monbrim, 3806 Piedmont Ave., Oakland.
Architect—None.
Contractor—O. Legault, 3004 Market St., Oakland. $2950

DWELLING
(2246) SW MARS AND NEY AVE., Oakland. Two-story 7-room dwlg.
Owner—Mrs. J. B. Orr, 7500 Ney Ave. Oakland
Architect—None.
Contractor—E. R. Blabon, 2482 63rd Ave., Oakland. $3400

DWELLING
(2247) N McKINLEY AVE 100 E Athol, Oakland. One-story 5-room dwelling
Owner—D. M. Shindler, 506 American Bank Bldg., Oakland.
Architect—None.
Contractor—M. P. Brasch, 506 American Bank Bldg., Okd. $6000

DWELLING
(2248) E PINEHAVEN ROAD 700 N Thorn Rock, Oakland. One-story 3-room dwelling.
Owner — David Hendrickson, 2324 Prince St., Berkeley
Architect—None.
Day's work $1000

FLATS
(2249) W PARK BLVD 150 N Wellington, Oakland. Two-story 10 room flats
Owner — W. E. McChesney, 1315 Sanborn Ave. Oakland
Architect—None
Day's work $7000

DWELLING
(2250) S DERBY 110 — Crescent Orkland. One-story 5 room dwlg
Owner—Beatrice Grove, 512 Wickson Ave. Oakland
Architect—None
Day's work $1000

ALTERATIONS
(2251) NO. 350 TWENTY-NINTH ST., Oakland. Alterations.
Owner—Dr. McClurg.
Architect—None.
Contractor—Oliver Duval & Son, Dalziel Bldg., Oakland. $2000

STATION
(2252) E WEBSTER 400 N 14th St., Oakland. One-story tile battery station.
Owner—Dr. Daniel Crosby.
Architect — Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
Day's work. $4000

DWELLING
(2253) N YORK 120 E Prince, Oakland. One story 5-room dwelling.
Owner—Wm. Tudor Jr., 2408 Telegraph Ave., Oakland.
Architect—None.
Contractor—McWetny & Greenleaf, Albany Bldg., Oakland. $5000

APARTMENTS
(2254) N E-NINETEENTH bet. Athol and Park Blvd., Oakland. Three-story 18-room apartments
Owner—John Tisch.
Architect—Clay N. Burrell, 1st Savings Bank Bldg., Oakland.
Contractor — M. Felix Sommarstrom, 2215 Park Blvd., Oakland. $20,000

WAREHOUSE
(2255) SE FOURTH AND HARRISON, Oakland. Two-story brick warehouse.
Owner—A. B. Saroni and The Grocers, Inc., 573 Franklin St., Oakland.
Architect—None.
Contractor—Henry J. Christensen, Federal Bldg., Oakland. $30,000

DWELLING
(2256) NW TUNNEL AND BRIDGE Roads, Berkeley. All work for two-story dwelling and garage.
Owner—W. H. Farley, 3488 Hollis St., Oakland.
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.
Contractor—H. M. Barnett, 691 Wesley Ave., Oakland.
Filed May 15, '22. Dated May 11, '22.
Roof boarded ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $10,200
Bond, $5100. Surety, Globe Indemnity Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(2257) S FIFTIETH 157.84 E Lawton Ave E 40xS 90, Oakland. All work for one-story 5-room dwelling
Owner—H. du Puy de Montbrun
Architect—None
Contractor—O. Legault, 3004 Market St., Oakland.
Filed May 15, '22. Dated —.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $3050
Bond, none. Limit, 30 days. Forfeit none. Plans and specifications filed.

DWELLING
(2258) LOT 25 BLK 1 Treasle Glen Tract, Oakland. All work for one and one-half story frame dwlg.
Owner—Anna M. Pugh, Berkeley
Architect—William J. Wilkinson, 1917 1st Savings Bank Bldg., Oakland
Contractor—Harry C. Knight, 338 12th St., Oakland
Filed May 15, '22. Dated May 1, '22.
Rafters in place ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $6500
Bond, none. Limit, 75 days. Forfeit none. Plans and specifications filed.

DWELLING
(2259) SE TWENTY-FIRST AVE & E-19th being Lots 23 and 24 Blk 38, San Antonio, Oakland. All work for one-story 7-room dwlg.
Owner—F. C. Vieira, 1748 21st Ave., Oakland.
Architect—None.
Contractor—Jas. B. Peterson, 2953 38th Ave., Oakland.
Filed May 15, '22. Dated May 14, '22.
Frame up ..... ¼
Plastered ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $3800
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications, none.

DWELLING
(2260) SW FORTY-NINTH & MANILA Ave, Oakland. One-story 5-room dwelling.
Owner—Whalen & Carlos, Federal Bldg., Oakland.
Architect—None.
Day's work. $3500

SHOP
(2261) E GROVE 91 N Fifty-sixth, Oakland. One-story 2-room barber shop.
Owner—Frank Zigler, 433 42nd St., Okd.
Architect—None.
Contractor—M. P. Rose, 9100 Oxford St., Berkeley. $1000

MARKET, ETC.
(2262) NE NINETEENTH & BROADWAY, Oakland. Four-story concrete market and office building.
Owner — E. N. Tapscott, 1st Savings Bank Bldg., Oakland.
Architect—Reed & Corlett, 1206 Broadway, Oakland.
Contractor — MacDonald & Kahn, 130 Montgomery St., San Francisco. $175,000

DWELLING
(2263) N MAINE opp. Pleitner, Oakland. One-story 5-room dwelling.
Owner—Mrs. Bessie Clarke, 3233 E-14th St., Oakland.
Architect—None.
Contractor—Richmond & Amsden, 2196 Harrington Ave., Oakland. $3000

FLATS
(2264) SW MILES AVE AND HARDY, Oakland. Two-story 13-room flats
Owner—Andrew B. Gow, 5668 Ayala St., Oakland
Architect—L. E. Hyde, 2745 26th Ave. Oakland.
Day's work. $10,000

DWELLING
(2265) S MONADNOCK WAY 75 E Seminary, Oakland. One-story 3-room dwelling.
Owner—John N. Feldhusen, Mills College, Oakland
Architect—None
Contractor—D. W. Van Horn, 5935 Minnanla Ave., Oakland. $2900

DWELLING
(2266) NO. 2801 BEST AVE., Oakland. One-story 5-room dwelling
Owner—Harry W. Lakes, 2800 Modesto Ave., Oakland
Architect—None
Day's work $3750

DWELLING
(2267) NO. 2806 MONTICELLO AVE. Oakland. One-story 5-room dwlg
Owner—Harry W. Lakes, 2800 Modesto Ave., Oakland
Architect—None
Day's work $3750

DWELLING
(2268) NO. 2812 MODESTO AVE. Oakland. One-story 5 room dwelling
Owner—Harry W. Lakes, 2800 Modesto Ave., Oakland
Architect—None
Day's work $3750

DWELLINGS
(2269) NO. 2815, 2821 AND 2845 MAdera Ave., Oakland. Three one-story 5-room dwellings.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750 each

DWELLINGS
(2270) NO. 2915, 2921, 2929, 3015, 3021 2907, 3027, 3033 and 3101 Rawson Ave., Oakland. Nine one-story 5-room dwellings.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750 each

DWELLING.
(2271) W 33RD AVE 150 N FARNUM St., Oakand. One-story 7-room dwelling.
Owner—E. A. Renner, 3105 Elmwood Ave., Oakand.
Architect—None.
Contractor—J. B. Petersen, 2053 38th Ave., Oakland. $7500

DWELLING.
(2272) E WILDWOOD AVE 100 N Grand, Oakland. One-story 6-room dwelling.
Owner—Wm. D. Clarke and wife, 613 Crocker Bldg., San Francisco.
Architect—None.
Contractor—Chas. F. Strothoff, 2274 15th St., San Francisco. $5000

DWELLING.
2273. E MANDANA BLVD, 300 S ASHmont Oakland. Two-story 8-room dwelling.
Owner—L. Saroni, 806 Howard St., San Francisco.
Architect—None.
Contractor—C. P. Pond, 1163 Ashmont Ave., Oakland. $10,000

DWELLING
(2274) NO. 3000 ACTON ST., Berkeley. One-story 5-room dwelling.
Owner—W. W. Zerwer, 3008 Mable St., Berkeley.
Architect—None.
Day's work. $2000

DWELLING
(2275) NO. 2728 DOHR ST., Berkeleey One-story 5-room dwelling.
Owner—Miss A. B. Stedman.
Architect—None.
Contractor — Eaton & Ekstrom, 3146 King St., Berkeley. $2950

DWELLING
(2276) NO. 2435 GRANT ST., Berkeley. One-story 5-room dwelling.
Owner—Mrs. F. J. Never, 2434 McKinley Ave., Berkeley.
Architect—None.
Contractor—G. T. Pratt, 1109 Amador Ave., Berkeley. $3200

FRATERNITY HOUSE
(2277) S LE CONTE 225 W Euclid St., Berkeley. Two-story 18-room fraternity house.
Owner—Theta Chi Fraternity.
Architect—W. R. Yelland, 414 13th St., Oakland.
Contractor—E. F. Henderson, 5744 Keith Ave., Oakland. $18,500

DWELLING
(2278) NO. 1717 PARKER ST., Berkeley. One-story 6-room dwlg.
Owner—Wm. Tynell, 1715 Parker St., Berkeley.
Architect—H. P. Chapman, Santa Rosa.
Contractor—E. Ahlstrom, 927 Wright St., Santa Rosa. $3400

STORE
(2279) NO. 2701 SAN PABLO AVE., Berkeley. One-story store.
Owner—Hoefler Co., Inc.
Architect—None.
Contractor—J. P. Brennan, 1519 Hearst Ave., Berkeley. $4000

DWELLING
(2280) N CALAVERAS AVE 100 N Buel, Oakland. One-story 5-room dwelling.
Owner—Axel Johnson, 4834 Calaveras St., Oakland.
Architect—None.
Day's work. $2400

DWELLING
(2281) E CLARENDON CRESCENT 385 S Ashmount. Oakland. Two-story 7-room dwelling.
Owner — G. W. Atkinson, 384 Euclid Ave., Oakland.
Architect—None.
Contractor—McWethy & Greenleaf, Albany Bldg., Oakland. $9000

DWELLINGS
(2282) N DOWLING 150 and 190 W 90th Ave., Oakland. Two one-story 5-room dwellings.
Owner—Simon Lerer, 290 Grand Ave., Oakland.
Architect—None.
Contractor—C. L. Hewitt, 8821 E-14th St., Oakland. $3000 each

DWELLING
(2283) S EXCELSIOR AVE 64 E Montclair, Oakland. One-story 6-room dwelling.
Owner—E. F. Dreyer, 2030 E-15th St.., St., Oakland.
Architect—None.
Contractor—C. A. Doss, 2028 E-15th St., Oakland. $5500

DWELLING
(2284) N FORTY-THIRD 305 E Grove, Oakland. One-story 5-room dwlg.
Owner—P. C. McCourtney, 491 42nd St., Oakland.
Architect—None.
Contractor—S. L. Stewart, 831 16th St., Oakland. $3000

DWELLING
(2285) N LYON AVE 346 W 38th Ave., Oakland. One-story 4-room dwlg.
Owner—J. W. Sigwald, 3927 Agua Vista Oakland.
Architect—None.
Day's work. $2500

DWELLING
(2286) S NINETY-FOURTH AVE 78 N 13th St., Oakland. One-story 4-room dwelling.
Owner—Jas. Felicano, 1216 88th Ave., Oakland.
Architect—None.
Contractor—C. L. Hewitt, 8821 E-14th St., Oakland. $2800

DWELLING
(2287) SE SIXTY-FIRST AVE AND Scenic Way, Oakland. One-story 5-room dwelling.
Owner—Wm. S. Pepple, 2619 62nd Ave., Oakland.
Architect—None.
Day's work. $3800

DWELLING
(2288) E WEST 160 N 43rd, Oakland. One-story 6-room dweleling.
Owner—J. Cronin, 4214 West St., Okd.
Architect—None.
Contractor—J. Little, 3406 Market St., Oakland. $3500

DWELLINGS
(2289) W WOODRUFF AVE 137 and 170 N Hopkins, Oakland. Two one story 5-room dwellings.
Owner—Chas. F. Brown, 1707 Broadway, Oakland.
Architect—None.
Contractor—A. Stenbro, 1608 Hopkins St., Oakland. $3000 each

DWELLING
(2290) NO. 2303 DERBY ST., Berkeley One-story 5-room dwelling.
Owner—Jas. W. Brazier, 1912 Blake St., Berkeley.
Architect—None.
Day's work. $2500

DWELLING
(2291) NO. 1018 FRESNO, Berkeley. One-story 5-room dwelling.
Owner—Fred Parsons, 2924 Harper St., Berkeley.
Architect—None.
Contractor — Parson & Cerny, 2924 Harper St., Berkeley. $3000

DWELLING
(2292) NO. 1418 GROVE ST., Berkeley One-story 5-room dwelling.
Owner — Armstrong, 1424 Grove St., Berkeley.
Architect—None.
Contractor—A. Hendrickson, 755 60th St., Oakland. $3500

GARAGE
(2293) NE SAN PABLO & COWPER, Berkeley. One-story concrete garage.
Owner—A. Bertelsen.
Architect—None.
Contractor—S. J. Bertelsen, 30 Estrella Ave., Piedmont. $8500

DWELLING
(2294) NO. 540 SAN LUIS ROAD, Berkeley. Two-story 6-room dwlg.
Owner—C. M. Rogers, 703 Nielson St., Berkeley.
Architect—None.
Day's work. $4000

DWELLING
(2295) BAY FARM ISLAND Alameda One-story 5-room dwelling.
Owner—Emilie Mohr, Harrison Apts., Oakland.
Architect—None.
Contractor—A. Schawder, 2305 Buena Vista Ave., Alameda. $3500

ADDITION
(2296) NO. 911 LAFAYETTE, Alameda Addition.
Owner—Sarah Burnham, Premises.
Architect—None.
Contractor — H. Hazzard, 1724 Santa Clara Ave., Alameda. $1937

DWELLINGS
(2297) NO. 409, 413, 415, 419, 421 LINcoln Ave., Alameda. Five one-story 4-room dwellings.
Owner — F. H. Nelson, 1138 Bay St., Alameda.
Architect—None.
Contractor—H. Williford, 3265 Central Ave., Alameda. $1950 each

DWELLING
(2293) NO. 1092 PARK AVE., Alameda One-story 5-room dwelling.
Owner—E. K. Oakes, Centerville.
Architect—None.
Contractor—F. J. Theile, 2905 Madison St., Alameda. $3400

DWELLING
(2299) NO. 1610 SAN ANTONIO AVE., Alameda. One-story 7-room dwlg.
Owner—Mary M. Correa, 1214 Sherman St., Alameda.
Architect—None.
Contractor—G. W. King, 2054 Alameda Ave., Alameda. $6275

DWELLING
(2300) NW COR BROADWAY AND Lawton, Oakland. One-story 3-rm. dwelling.
Owner—A. L. Stephenson, Oakland.
Architect—None.
Contractor—F. T. Henderson, 5744 Keith Ave, Oakland. $4950

DWELLING
(2301) E CANON 400 N HOPKINS, Oakland. One-story 4-room dwelling.
Owner—Frank Holiday, Canon Ave., Oakland.
Architect—None.
Contractor—L. G. Hudson, 1771 Evans Ave., Oakland. $1900

DWELLING
(2302) S DELAWARE ST E 225 E Laurel, Oakland. One-story 4-rm. dwelling.
Owner—N. Lucas, 3402 Laurel Ave., Oakland.
Architect—None.
Contractor—A. Anderson, 3027 Florida St., San Francisco. $2500

DWELLING
(2303) NE COR E 21ST and MITCHell St., Oakland. One-story 4-rm. dwelling.
Owner—W. L. Fox, 1029 11th Ave., Oakland.
Architect—None.
Contractor—Jas. D. Horton, 581 9th St., Oakland. $1800

DWELLING
(2304) N 45TH ST 150 W GROVE, Oakland. One-story 4.room dwelling.
Owner—C. E. Robertson, 732 56th St., Oakland.
Architect—None.
Contractor—Chas. C. Williams, 1524 Franklin St., Oakland. $2500

DWELLING
(2305) E MORAGA AVE 100 N Pleasant Valley, Oakland. Two-story 6-room dwelling.
Owner—A. W. Clevenger, 1100 Moraga Road, Oakland.
Architect—None.
Contractor—Geo. W. Easterly, 824 37th St., Oakland. $4700

DWELLING
(2306) N NEVIL 360 W 38th Ave., Oakland. One-story 5-room dwlg.
Owner—Jos. T. Hinch, Federal Bldg., Oakland.
Architect—None
Day's work. $3000

DWELLING
(2307) E REDDING 400 W High, Oakland. One-story 5-room dwelling.
Owner, Mrs. Julia E. Erickson, 4209 Redding St., Oakland.
Architect—None.
Contractor—W. J. Myers. $2200

DWELLING
(2308) N SANTA RAY 490 W Paloma, Oakland. One-story 6-room dwlg.
Owner—James B. Grubb, Y. M. C. A., Oakland.
Architect—None.
Day's work. $4500

DWELLING
(2309) E TWENTY-SIXTH AVE 250 N E-24th St., Oakland. One-story 5-room dwelling.
Owner—Miss Ellie Roberts, 3216 Fruitvale Ave., Oakland.
Architect—None.
Contractor—Shaw & Watson, 1711 Willow St., Alameda. $3200

ALTERATIONS
(2310) NO. 415 WAYNE AVE., Oakland. Alterations.
Owner—C. W. Hill.
Architect—None.
Contractor—Chas. C. Williams, 1524 Franklin St., Oakland. $2000

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted

May 18, 1922—NW WEBSTER AND Fourteenth N 606 to pt beg N 50x W 150, Oakland. Horwinski Co, Inc to whom it may concern ..... May 11, 1922

May 18, 1922—NW WEBSTER AND Fourteenth N 606 to pt beg N 50x W 150, Oakland. Horwinski Co, Inc to W S Weinhall Co, May 11; Oscar L Zeik, May 11 and Advance Electric Co ..... May 11, 1922

May 18, 1922—NE SHORT & FRANcisco th along Short 100xNE 80, Berkeley. W R Ripley to E F Slack ..... May 15, 1922

May 18, 1922—LOT 128 Map Fremont Tract, Oakland. C W Glantz to whom it may concern..May 18, 1922

May 18, 1922—LOT 33 and N ½ Lot 32 Blk 27 Amended Map Regents Park, Berkeley. Herbert Green to whom it may concern..May 18, 1922

May 17, 1922—NO. 489-82-84 CHERRY Ave Oakland. Mark Lennan to Thos Rutherford ..... May 2, 1922

May 17, 1922—LOT 10 Map B Map Ptn Estate A. C. Brown, Oakland. H R Thompson to M P Graves ..... May 16, 1922

May 17, 1922—PTN LOTS 26 AND 27 Map College Court, Oakland. C E and Isabel R Peacock to Charles E Burks ..... May 5, 1922

May 16, 1922—S CENTRAL AV 143.85 W Morton W 50 S to Encinal Ave, Alameda. Motor Electric Co to Alameda Land Co ..... May 12, 1922

May 15, 1922—LOTS 1 AND 2 BLK B Blake Tct No. 1, Berkeley. Boardman Estate, Blanche L Porter by James W Plachek to Berkeley Elec Co, May 13; Conner & Conner, May 13; W P Fuller Co, May 13; Robert Annis ..... May 13, 1922

May 15, 1922—LOTS 1 TO 6 inclu Blk 1, Barker Tract, Berkeley. W W Whitecotton by James W Plachek to American Sheet Metal Works ..... May 10, 1922

May 15, 1922—PTN BLK 2, Shattuck Tract No. 2, Berkeley. W W Whitecotton by James W Plachek to C E Irwin ..... May 13, 1922

May 16, 1922—E HIGH —N Virginia being No. 3354. H H Borchardt to Alex C Wieben ..... May 1, 1922

May 16, 1922—LOT 230, Fourth Ave Terrace, Oakland. Frank J Brown to William J Baker ..... May 13, 1922

May 16, 1922—NO. 377 SIXTIETH ST., Oakland. Rose I Sackett to E A Weymouth ..... May 15, 1922

May 15, 1922—S HAIGHT AVE 256 E Eighth E 32xS 127-6. Alameda. Homer R Dallas to A T Spence ..... May 15, 1922

May 15, 1922—S FOOTHILL BLVD 97.05 W 34th Ave 48x60, Oakland. Jean Poey to James E Petersen ..... May 15, 1922

May 13, 1922—NO. 4352 EDGEWOOD Ave, Oakland. Katherine Houck to whom it may concern..May 12, 1922

May 10, 1922—LOTS 45 AND 46 BLK 11, Map No. 4, Regents Park, Albany. William Thorsen to whom it may concern ..... May 5, 1922

May 10, 1922—LOT 33 BLK 2, Berkeley Square, Berkeley. Mrs. E F Crosett to Roy O Long Co, May 6, 1922

May 10, 1922—W RUBY 100 S 40th S 40xW 145, Oakland. Ray Wall Fisher and Machelle Jewell Fisher to P J Healy ..... May 5, 1922

May 11, 1922—SW S P right-of-way and NW 19th Ave SW 150 NW 176.97 NE 144.64 SE 177.07, Oakland. The Dry Zero Corp to Cronin & Burnett ..... May 8, 1922

May 11, 1922—LOT 2 BLK 8, Broadmoor, —— Rosa Macfsky to Joseph A Macfsky ..... May 10, 1922

May 12, 1922—LOT 1 BLK "H" Map Bryant Tract, Berkeley. Emeryville Investment Co to Thomas Rutherford ..... May 9, 1922

May 12, 1922—LOT 3 BLK "H," Map Bryant Tract, Berkeley. Emeryville Invst Co to Thomas Rutherford ..... May 9, 1922

May 12, 1922—LOT 73 and 1 in Lot 74, Map Redwood Park, Okd. Angus H Faulkner to Thomas Rutherford ..... May 17, 1922

May 12, 1922—NE E FOURTEENTH 60 NW Second Ave NW 10xNE 98, Oakland. Elora V Larsen to Axel Sommarstrom ..... May 12, 1922

May 12, 1922—LOT 13 BLK 4, Map Northbrae, Berkeley. P E Marquis to whom it may concern..May 11, 1922

May 12, 1922—LOTS 30 AND 31 BLK "D" Map Broadway Terrace, Okd. H C Pfrang to whom it may concern ..... May 12, 1922

LIENS FILED

ALAMEDA COUNTY

Recorded Amount

May 16, 1922—LOT 14 BLK 31, Kellersberger's Map of City of Oakland. Henry Cowell Lime & Cement Co vs Hyman Davis $685.45

May 16, 1922—W CHERRY 198-6 S Stuart S 36-6xW 120, Berkeley. J W Gaba vs James S and E C Blount ..... $41[illegible]

May 12, 1922—LOT 39 BLK 2, Map Fourth Avenue Heights, Oakland. Hogan Lumber & Mill Co vs Myrtle Harmon, A T Hendricks and A McGuinness $992.24

May 13, 1922—S LINE FARR TERminal lease 1072.59 SE of U. S. bulkhead line E 377.55 N 266.04 S 257.72, Oakland. K C Shurick (Pneumatic Whitewash Co) vs American Petroleum Corp, Parr Terminal Co, City of Oakland..$115

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount

May 16, 1922—E VERNON 160 S Santa Rosa Ave E 132xS 55, Oakland. Zenith Mill & Lumber Co, $182.28; O S Phillbrick, $28 to Alvah F Page ..... [illegible]

May 13, 1922—E FRANKLIN 477.3 N 14th N 130.3xE 150, Oakland. Bay Engineering Co to William E Miller Estate Co $1750

May 10, 1922—LOT 85 BLK 1, Lake Shore Highlands, Oakland. John P Maxwell to Chas Martin, George H and C M Moore $100.35

May 10, 1922—LOT 42 BLK "G" Map Fourth Ave. Terrace, Oakland. Charles W Sonfard to H W Macdonald $90

Notice of Non-Responsibility

ALAMEDA COUNTY

May 17, 1922—E WASHINGTON 35 N Tenth N 65 E 150 S 100 W 15¾ N 35 W 134-11¾, Oakland. Elsey Estate Co as to improvements on property ..... [illegible]

May 17, 1922—W TELEGRAPH AVE 25 S 17th S 25xW 100, Okd. Mercantile Trust Co as to improvements on property ..... [illegible]

May 10, 1922—SE THIRTIETH AVE and E-Fourteenth St., Oakland. Derby Estate Co as to improvements on property ..... [illegible]

BUILDING CONTRACTS

SANTA CLARA COUNTY

$1000 and Over Reported

LATHING AND PLASTERING
CAMPBELL. All work for lathing and plastering school building.
Owner—Board of Trustees of Campbell-San Tomas Union Grammar School District, Campbell.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Contractor—J. C. McCleod, Morgan Hill.
Filed May 11 '22. Dated May 1, '22.
At work progresses. 15
Usual 35 days 25%
TOTAL COST, $19,320
Bond, $19,320. Surety, Globe Indemnity Co. Limit, 75 working days from May 1, 1922. Forfeit $10 a day. Plans and specifications filed.

BLACKBOARDS ON ABOVE.
Contractor—Rucker-Fuller Desk Co., 677 Mission St., San Francisco.

Filed May 11, '22. Dated May 1, '22.
Payments same as above.....
TOTAL COST, $985
Bond, $985. Surety, Hartford Accident & Indemnity Co., Limit, 100 working working days from May 1, 1922. Fordays after May 1, 1922. Forfeit, $10 a day. Plans and specifications filed.

COMPOSITION ROOFING COMPLETE on above.
Contractor—Malott & Peterson, 2412 Harrison St., San Francisco.
Filed May 11, '22. Dated May 1, '22.
Payments same as above.....
TOTAL COST, $2055
Bond, $2055. Surety, The Fidelity & Casualty Co., of New York. Limit, 75 feit, $10 a day. Plans and specifications filed.

ALL MASON WORK ON ABOVE.
Contractor — Florent Gardiser, 240 Bellevue St., San Jose.
Filed May 11, '22 Dated May 1, '22
Payments same as above.....
TOTAL COST, $1178
Bond, $1178. Surety, Fidelity & Deposit Co. of Maryland. Limit, 80 working days from May 1, 1922. Forfeit, $10 a day. Plans and specifications filed.

COMPOSITION FLOORING ON ABOVE
Contractor—Hoff Magnesite Co., Monadnock Bldg., San Francisco.
Filed May 11, '22. Dated May 1, '22.
TOTAL COST, $479
Bond, $479. Surety, Globe Indemnity Co. Limit, 100 working days from May 1, 1922. Forfeit, $10 a day. Plans and specifications filed.

DWELLING
SAN JOSE. All work for one-story 5-room frame dwelling.
Owner—James C. Carpenter, 888 S-7th St., San Jose.
Filed May 12, '22, Dated May 12, '22.
Roof on dwelling enclosed....$637.50
Brown mortar on..... 637.50
Upon completion 637.50
Usual 35 days..... 637.50
TOTAL COST, $2550.00
Bond, limit, forfeit, none. Plans and specifications filed.

DWELLING
HANCHETT RESIDENCE PARK, San Jose. All work for one-story frame dwelling.
Owner—Dr. W. Lawrence, Twohy Bldg., San Jose.
Architect—Herman B. Krause Bank of Italy Bldg., San Jose.
Contractor—Megna & Newell, San Jose.
Filed May 11, '22. Dated May 3, '22.
Floors joists laid.....$1430
Frame up 1430
Plastering completed 1430
Building completed 1430
Usual 35 days..... 1433
TOTAL COST, $7153
Bond, $3575. Sureties, T. Caito and Philomena Megna. Limit, 90 working days from May 3, 1922. Forfeit, none. Plans and specifications filed.

BUNGALOW
SAN JOSE. All work for one-story 5-room stucco bungalow.
Owner—Anthony E. Loper, San Jose.
Architect—None.
Contractor—Jerome Garcia, 1052 S-1st St., San Jose.
Filed May 13, '22. Dated May 13, '22.
Building enclosed $900
Brown mortar on..... 900
When completed 900
Usual 35 days..... 900
TOTAL COST, $3600
Bond, none. Limit, 60 days from date of commencement. Forfeit, none. Plans and specifications filed.

COTTAGE
SAN JOSE. All work for one-story frame cottage and garage.
Owner—Angelo Turina & Mary Turina.
Architect—None.
Contractor — Geo. W. Humphrey, 363 Prevost St., San Jose.
Filed May 15, '22. Dated May 13, '22.
Roof on $300
Plastering completed 600
Notice of completion filed..... 600
Usual 35 days..... 500
TOTAL COST, $2000
Bond, limit, forfeit, none. Plans and specifications filed.

RESIDENCE
PALO ALTO, CAL. ALL WORK ON 5-room one-story residence.
Owner—Mary J. Lemos, Oakland, Cal.
Architect—None.
Contractor—W. S. Couter & Co., Palo Alto Cal.
Filed May 13, 1922. Dated May 8, 1922.
Foundation in rough lumber on ground $1050
Frame up 1050
On completion 1050
Usual 35 days 1050
TOTAL COST, $4200
Bond, ——. Sureties, Agnes G. Couter and Anton Prusa. Forfeit, $5 a day. Limit, 90 working days from May 13, 1922. Plans and specifications filed May 13, 1922.

RESIDENCE, 7 rooms, $7500; Second and Keyes Sts., San Jose; owner, R. O. Summers, 17 N-First St., San Jose; day's work.
COTTAGE, 5-room, $3500; Hollywood and Rose Court, San Jose; owner, R. B. Harris, Stevens Creek Road, San Jose; contractor, W. H. Norman, 272 S-12th St., San Jose.
COTTAGE, 6 room, $3250; No, 532 S-Eleventh St., San Jose; owner, Mary J Ford; contractor, S. G. Youngquist, 200 Naglee St., San Jose.
COTTAGE, 4 room, $2000; Empire St., San Jose; owner, E. Edwards; Contractor, C. Carlson, 3 Menker St., San Jose.
COTTAGE, 5 room, $4880; 17th St. near San Antonio St., San Jose; owner, Stella Merchant; architect, Wolfe & Higgins, Auzerais Bldg., San Jose; contractor, Petrie & Furtwangler.
ALTERATIONS, $1000; No. 956 S-Sixth St., San Jose; owner, Joe Ploli, day's work.
COTTAGE, 5 room, $4400; Eighth and Martha Sts., San Jose; owner, P. W. Doyle; day's work.

COMPLETION NOTICES

SANTA CLARA COUNTY.

Recorded Accepted
May 15, 1922—SAN JOSE. Southern Pacific Co to J B Rogers. May 5, 1922
May 15, 1922—SAN JOSE. P L Engle and Mary R Engle.....May 12, 1922
May 15, 1922—SAN JOSE. William Henry O'Neil to whom it may concern.....May 15, 1922
May 15, 1922—CURTNER AVE, San Jose. Pauline G Dennis and Wm H Dennis to C V Brown. May 15, 1922
May 11, 1922—SAN JOSE. Wm H Norman to whom it may concern .....May 9, 1922
May 11, 1922—LOT 7 BLK 4, Hanchett Tract, San Jose. Grace E Bloomer to J A Wagner.....May 1, 1922
May 11, 1922—SAN JOSE. Wm H Norman to whom it may concern .....May 9, 1922
May 12, 1922—SAN JOSE. B Rondoni O'Neil to whom it may concern.. .....May 11, 1922

PIERCE-BOSQUIT
Abstract & Title Co.
Capital Stock $100,000
Sacramento, Placerville, Nevada City, Reno
SACRAMENTO OFFICE
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905 SIXTH STREET

RELEASE OF LIENS

SANTA CLARA COUNTY.

Recorded Amount
May 13, 1922—LOT 13 BLK 4, Rose Lawn, San Jose. Sunset Lumber Co to Joseph Traina $34.15
Maly 13, 1922—LOT 13 BLK 4, Rose Lawn, San Jose. Henry Cowell Lime & Cement Co, $9; Southern Lumber Co, $372.21; L P Judkins, $8; A W Wheaton, $43.50 to E G Finley and Joseph Traina.....
May 11, 1922—NEAR PALO ALTO. Walter S C Stevens to Egbert A Rozeboom $972.56

BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 and Over Reported

RECORDED

WAREHOUSE
E PORTION LOTS 6 AND 7, K, L, 6th and 7th Sts., Sacramento. All work for five-story mill constructed warehouse.
Owner—John Breuner Co.
Architect—Jas. S. and Chas. Dean, City Library Bldg., Sacramento.
Contractor—Betz & Mabrey, Ochsner Bldg., Sacramento.
Filed May 10, '22. Dated Apr. 26, '22.
TOTAL COST, $124,867
Bond, none. Limit, none. Forfeit, $25 per day. Plans and specifications, none

PERMITS

DWELLING, two-story 7-room, $3500; No. 3928 Y St., Sacramnto; owner, A. E. Coppin, 3932 Y St., Sacramento; day's work.
DWELLING AND GARAGE, one-story 5-room, $5000; No. 1232 41st St., Sacramento; owner, Peter Gadd, 21st and G Sts., Sacramento; day's work.

DWELLING, one-story 6-room $4000; No. 941 Santa Ynez Way, Sacramento; owner, Frederick C. and Mable B. Lima, 2957 Franklin Blvd., Sacramento; contractor, T. Schluckerbier, 2660 Marshall Way, Sacramento.
DWELLING, two-story 8-room, $10,500. No. 1128 45th St., Sacramento; Owner, Grace A. Coffing, 1517 24th St., Sacramento.
DWELLING, one-story 5-room, $2600; owner, Carl Koch, 3418 L St., Sacramento; day's work.
DWELLING, 5-room, $4438; Lot 164 Blk 16, Col. Heights, Sacramento; owner, H. W. Levers and Margaret E. (nx); contractor, L. F. Gould; Filed May 12, '22; Dated Apr. 28, '22
DWELLING; one-story 6-room dwelling, $4250; 2531 F St., Sacramento; owner, M. V. Fowler, Newcastle, Cal.; contractor, Paul Opdyke, Route 1, Box 60-A, Sacramento.
DWELLING, one-story 5-room dwelling and garage, $3500; 1530 U St., Sacramento; owner, W. D. Jones, 1530½ T St., Sacramento; contractor, H. G. Birdsall, 1530 T St., Sacramento.
DWELLINGS, one 1-story 6-room, three 1-story 5-room dwellings and garages, two at $3500, two at $3200; 1568, 1512, 1516, 1520 34th St., Sacramento; owner, J. C. Carly

Co., 823 J. St., Sacramento; contractor, So. Curtis Oaks Co., 1755 Stokton Blvd., Sacramento.

DWELLING, one-story 5-room dwelling and garage, $4300; 2989 26th St., Sacramento; owner, Geo. Phillips, 2601 5th Ave., Sacramento; contractor, Birdsall & Coleman, Box 292, Riverside, Sacramento.

DWELLING, one-story 5-room dwelling and garage, $3500; 611 26th St., Sacramento; owner, G. H. Atkinson, 615 26th St., Sacramento; contractor H. M. Earle 1036 Dolores Way, Sacramento.

DWELLINGS, four 1-story 5-room dwellings $3000 each; 1521, 1545, 1529 and 1556 34th St., Sacramento; dwellings and garages, $3000 each; owner, J. C. Carly Co., 823 J St., Sacramento; contractor, South Curtis Oaks Co., 1755 Stockton Blvd., Sacramento.

DWELLING, 1-story 6 rooms and garage, $4200; 2524 Portola Way, Sacramento; owner, C. J. Blair, 1017 D St., Sacramento; contractor, Coleman Holmes, 2621 35th St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted

May 6, 1922—LOT 12, Iverson Tract, Sacramento. L E Iverson to whom it may concern.....May 4, 1922

May 1, 1922—N ¾ LOT 5 V. W. 23RD and 24th Sts, Sacramento. Walter J. Taylor to whom it may concern .....April 28, 1922

BUILDING CONTRACTS

FRESNO COUNTY

$5,000 and Over Reported

DWELLING, $5450; 1250 Echo Ave., Fresno; owner, John M. Miller, Fresno; contractor, Brague & Larsen, Fresno.

WAREHOUSE, $7500; Van Ness and S. P. Railroad reservation; owner, Sperry Flour Co., Fresno St., Fresno; contractor, F. C. Adams, Fresno.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted

May 13, 1922—NE ¼ of NW¼ of Sec. 32, 16-21. John Boornutian to whom it may concern..May 12, 1922

May 12, 1922—LOTS 3 AND 7, BLK. 49, and Lot 2 Blk. 50, Sierra Vista Addition. Fresno Building Corporation to whom it may concern.. .....May 11, 1922

May 12, 1922—E 120 FT. S ½ LOT 1, Blk. 17, Wilson North Fresno Tract. R. C. Kennedy to whom it may concern.....May 10,1922

May 12, 1922—PORTION OF LOTS 21 and 22, Berryhill Tract, Fresno. Jas L. Daley to whom it may concern .....May 9, 1922

May 11, 1922—LOT 12, Oak Park Acre Tract, Fresno. H C Shearman to whom it may concern May 9, 1922

May 11, 1922—SETTLE TO MILLsite, Fresno Co. Minaret & Western Railway Co to whom it may concern .....April 27, 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount

May 13, 1922—LOTS 29 AND 30, Blk. 6, Dean Park Add., Fresno. H. W. Osborn vs. J. A. Bondon.$37.00

May 12, 1922—NE ¼ OF NW ¼ Sec 32, 16-21, Fresno. Swastika Lumber Co. vs. G. Terzian and John Doornutian $465.00

May 12, 1922—W ½ OF LOTS 6 AND 7, Lind Acres. Bingham-Wenks Planing Mill vs. M. Tessier..$507.00

May 10, 1922—LOTS 9 AND 10 BLK 1, West Olive Tract. Fresno. Fresno Electric Co vs I Pius....$103

May 10, 1922—W ½ LOT 6 and all Lot 7, Lind Acres, Fresno. Routt Lumber Co vs M Tessier.....$554

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

$2,500 and Over Reported

BUILDING
LOTS 14 TO 16 BLK 2, Yosemite Terrace, Stockton. All work for building.
Owner—Neil I. Ross, 545 W-Poplar St., Stockton.
Architect—None.
Contractor—O. H. Chain, Farmers & Merchants Bank Bldg., Stockton.
Filed May 11, '22. Dated May 9, '22.
TOTAL COST, $8714
Bond, none. Limit, 70 working days. Forfeit, plans and specifications, none.

DWELLING, $3000; W-ASH ST., Stockton; owner, Sidney Potter, Stockton; day's work.

REMODEL for store, $2600; S-El Dorado St., Stockton; owner, M. Goldstein, 213 S-El Dorado St., Stockton day's work.

RESIDENCE, $6000; W-ELM ST., Stockton; owner, Jess Maynard, 24 W-Weber St., Stockton; day's work.

RESIDENCE & GARAGE, $1800; W-Fourth St., Stockton; owner, Allen Talmage, Stockton; day's work.

RESIDENCE & GARAGE, $6400; W-Oak St., Stockton; owner, Leo Hulbert, 315W-Fremont St., Stockton; day's work.

REPAIRS
LOT 15 BLK 28, East Stockton. All work for repairing building.
Owner—Louie Hee and Lan Chak Ping, Stockton.
Architect—None.
Contractor—E. L. Morrison, 1812 S-Grant St., Stockton.
TOTAL COST, $3200
Filed May 13, '22. Dated ——.

RESIDENCES (2), $4600 and $4300 respectively; N-San Joaquin St., Stockton; owner, North Stockton Improvement Co., Stockton; day's work.

DWELLING, $1600; S-Sutter St., Stockton; owner, D. Hodgson, 1735 S-Sutter St., Stockton; day's work.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted

May 17, 1922—LOT 9 BLK 13, Lake Park, Stockton. Bertha Byers to whom it may concern..May 15, 1922

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BUILDING CONTRACTS

SAN MATEO COUNTY

BUNGALOW
PORTION LOTS 221 AND 222, SUBDivision No. 2, San Mateo Park, San Mateo. Furnish and construct one-story bungalow.
Owner—C. F. Eisele, 1452 Chapin, San Mateo.
Architect—None.
Contractor—Mattock & Feasley, San Mateo.
Filed May 13, 1922. Dated May 6, 1922
Frame complete $2187.50
Brown coated 2187.50
Completed and accepted 2187.50
Usual 35 days 2187.50
TOTAL COST, $8750.00
Bond, none. Sureties, none. Limit, 90 working days. Plans and specifications filed.

BUNUGALOW
LOT 11 WELLESLEY PARK, Subdivision 2, Redwood City, Cal. Furnish and construct one-story bungalow.
Owner—Cora B. McGarvey, Redwood City.
Architect—None.
Contractor—Caspar Bros., Redwood City.
Filed May 13, 1922. Dated May 11, 1922
Building enclosed $627.75
First coat plaster 627.75
Completed and accepted 627.75
Usual 35 days 627.75
TOTAL COST, $2495.00
Bond, $1248.00 Sureties, Louis Carrera and A. Bertolucci. Limit, on or before August 1, 1922. Plans and specifications filed.

APARTMENT HOUSE
LOT 10, BLK. 17, BURLINGAME. Furnish and construct two-story frame apartment house.
Owner—Emily Harries.
Architect—None.
Contractor—John R. Lindsay.
Filed May 13, 1922. Dated May 12, 1922
First floor joist placed.....$1512.50
Frame up 1512.50
Roof on and plastered..... 3025.00
Completed and accepted 3025.00
Usual 35 days 3025.00
TOTAL COST, $12,100.00
Bond, surieties, forfeit, limit, none. Plans and specifications not filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted

May 15, 1922—LOT 7 Portola Woods Searsville Tct, Redwood City. Mrs Maxwell Hauser to Guss Waller... .....May 12, 1922

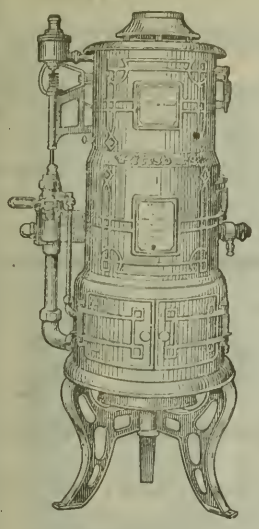
BUILDING CONTRACTS

CONTRA COSTA COUNTY

DWELLING, 1-story frame, $3500; W. 47th bet. Wall and Ohio; owner, K. Sakai, RFD Box 123A, Richmond, Contra Costa Co., Cal.; contractor, J. T. Walden, 2312 Courtland Ave., Oakland.

DWELLING, 1-story frame, $3000; W. 22nd bet. Roosevelt and Grant, owner, E. Pieper, 516 10th St., Richmond; contractor, K. J. Henning, 546 43rd St. Richmond.

DWELLING, 1-story frame, $2500; N. Hawthorne bet. 7th and 8th St., Richmond; owner, T. E. Woods, cor. 9th and Pennsylvania Sts., Richmond; contractor, E. D. Cushing, 841 Madison and Albany, Richmond.



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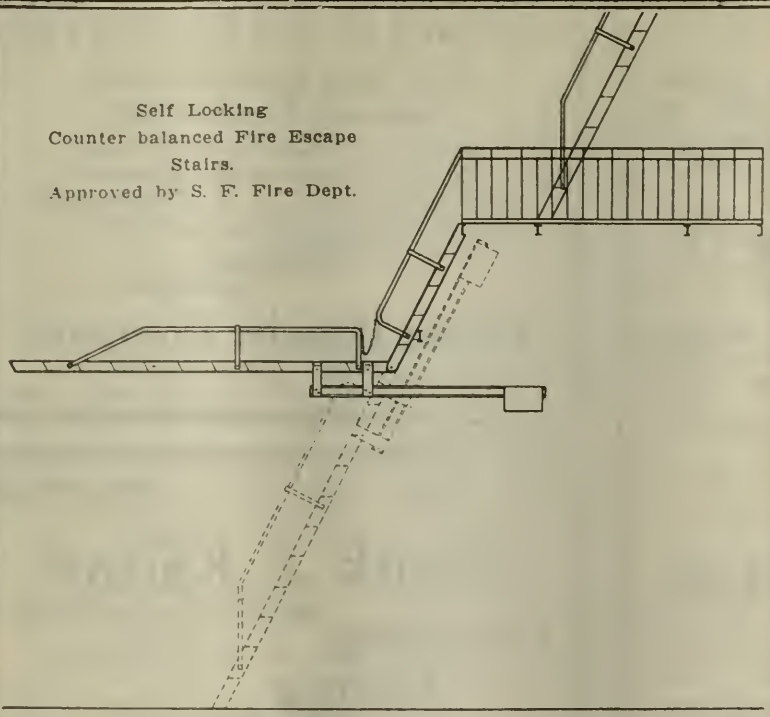

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Publication Office
560 Mission Street

SAN FRANCISCO, CALIF., MAY 27, 1922

Published Every Saturday
Twenty-second Year No. 21

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A Cinch anchorage bites quickly and positively. Properly installed, it simply cannot pull out or work loose. Its lead-composition parts get a complete surface grip, filling even the shallowest irregularities in the wall of a hole. As the pull increases, the push against the side of the hole increases more than proportionately on account of the wedging action of the iron cones. The greater the load sustained, the stronger the hold obtained.

A Cinch anchorage can be used on any machine bolt or machine threaded attachment device. It consists of two or more lead-and-iron expansion units, as explained below. A two unit anchorage is sufficient to carry ordinary loads. The smallest Cinch anchorage, 3-16 of an inch, has carried a weight of over one thousand pounds in numerous tests.

Points of Superiority

1. Stronger than the Strongest Bolt.

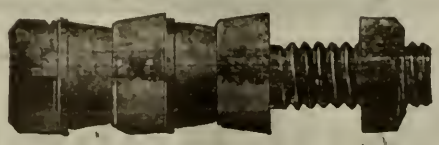
Cinch anchoring specialties give the only anchorage guaranteed to hold beyond the tensile and shearing strength of any wrought iron or steel bolt, as well as the breaking strength of the nut. They will not crush or otherwise mar the face of masonry. Vibration will not loosen the grip of the anchorage.

2. Cut Drilling Costs

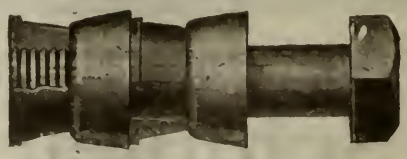
Cinch anchoring specialties require a hole of less depth than any other expansion device, affording a great saving of labor and time in drilling, and a substantial saving of material because of the shorter length of bolt needed.

3. Easy to Install in Any Position.

Cinch anchoring specialties are easy to install in any position. They can be set in masonry with the head of the bolt out of or in the hole. Expansion can be completed before work is lifted into place and bolted fast.



A two-unit plain Cinch anchor consists of a two-unit, plain, cinch anchorage fitted on a standard machine bolt with nut. Figure 1 shows a two-unit Cinch anchor, before expansion. Note that the order of the parts is iron, lead, iron lead.



A two-unit Threaded Cinch anchor consists of a two-unit Cinch anchorage threaded, fitted on a standard machine bolt. Fig. 2 shows an anchor before expansion.

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raps with a hammer drives the shield securely into the masonry.

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This bolt is also supplied without the drive sleeve and the shield is expanded by using an ordinary iron pipe.

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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Building & Engineering News

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Official Paper of Vallejo Builders' Exchange

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PLACER COUNTY POWER PROJECT TO GO AHEAD

At a meeting of the directors of the American River Water and Power Co., in the offices of Engineers Ellery, Frost & Patten, Merchants' National Bank Building, San Francisco, preliminary plans and arrangements were made to start developments for a 200,000 horsepower hydro-electric plant at Auburn.

Here are the salient features of the project: Dam to be 120 feet; to irrigate over 200,000 acres; to include part of Sacramento and Placer Counties; approximate cost, $18,000,000; over three million feet of timber available; a proposed plan to float logs from the upper Sierras to a mill in the vicinity of Colfax.

The development of the plans has taken over two years' work, and has been done through the efforts of Fred P. Tuttle Jr., of Auburn, in whose name the water rights are issued; Jerome Barieau, the local engineer for the company, and J. E. Walsh.

N. B. Ellery, former State Engineer, and Barieau are completing the preliminary surveys.

The directors are J. E. Walsh, president; F. P. Tuttle Jr., Jerome Barieau, J. F. Dudley, W. S. Graham.

Ellery, Frost & Patten are the engineers in charge.

BAY BRIDGE HEARING

Col. Herbert Deakyne, Corps of Engineering, announces that a public hearing concerning plans for bridging the bay will be held June 12 in Room 237, Merchants' Exchange Building, San Francisco. Representatives of the War, Navy and Commerce Departments will be present, and will also consider the proposal to extend the railway system to a terminal on Yerba Buena Island.

Stagnation and Depression Will Follow Increased Construction Costs

A warning against increased construction costs was voiced by leading general contractors from Los Angeles, the Northwest, St. Louis, Chicago, Pittsburgh and New York, meeting in Washington, D. C., May 18. They pointed out that if prices of material and labor are increased due to the great volume of construction now being started, stagnation and depression are sure to follow, similar to the depression in the construction industry in 1921, which followed the boom of 1920, when prices and wages went skyrocketing.

The National Executive Board of the Associated Contractors strongly urged that a reasonable stand be taken by all elements of the industry to keep costs at the lowest possible level if the great construction program needed by the country is to be carried through successfully.

Endorsement of the American Construction Council was given at the meeting. D. A. Garber, former President of the Associated General Contractors, said:

"In this construction Council, which is being organized to place the industry on a high plane of integrity and efficiency and to correlate the efforts of existing organizations, I see the hope of its elements, including architects, engineers, general contractors, representatives of construction labor, manufacturers, material dealers, representatives of Government bureaus, and public utility departments, in a commendable effort to establish the standard and efficiency of the construction industry and improve the service which that industry renders the public. The nearest precedent for such an effort is that furnished by the motion picture industry in its attempt to co-ordinate all of its principal factors and produce under able leadership the best of which that industry is capable."

Mr. Noble Foster Hoggson of New York, Director of the Associated General Contractors, said:

"The American Construction Council will bring together the many component parts which make up the industry and will carefully analyze their common problems, looking toward a better understanding of them and toward a satisfactory solution of these problems.

"Until recently each branch of this great industry has looked after its own interests, unconscious of its co-operative responsibility to the other elements and very often of the welfare of the public. Since the late war the lack of co-ordination, of mutual understanding and of consideration for the public has been more evident than in previous years. The 250 national associations in the industry have discovered a considerable amount of duplication of effort, and their inability to grapple effectively with the problems that extend beyond their own special fields. Each is ready and anxious to submit its common problems to an all-embracing organization which will strive for an elimination of duplication and waste and for more effective work. These organizations appreciate that the public has a right to demand immediate action through such an effective movement as just described—a movement dedicated to the improvement of the service which construction renders to the community, states and nation.

"The tremendous possibilities of such an organization have induced Mr. Herbert Hoover to consent to presiding at the Federal organization meeting which will be held in Washington June 19-20, and Mr. Franklin D. Roosevelt to accept the presidency of the organization.

"The first efforts of the Council will be devoted to a solution of the more pressing of the many problems which await settlement. Amonk the most important of these are:

"The formation of a code of ethics acceptable to the industry and to the public;

"The gathering of adequate statistics so that the industry may operate intelligently. While there are partial statistics collected by many sources, they have not been brought together and interpreted in the light of all the facts;

"A reduction of the national shortage of building mechanics and the establishment of the necessary apprenticeship system;

"A national study of building codes and the working out of a program for carrying the recommendations into effect;

"A revision of the existing freight rates on construction materials;

"A stabilization of the construction industry to mitigate the evils of seasonal employment and the trade migration of labor."

Other subjects under consideration at this meeting included, "The Need for a Universal Contract Form;" "The National Board for Jurisdictional Awards;" "National Construction Industrial Board;" "Construction Materials Forum;" "Estimate Guide Sheet, Standard Cost Finding System, Standard Form of Financial Statements, and Equipment Rental Agreement;" "Apprenticeship, and the Shortage of Skilled Workmen."

CITY ENGINEER O'SHAUGHNESSY WILL ADDRESS HUMBOLDT EVENING TECHNICAL ALUMNI

A special meeting of the Humboldt Evening Technical Alumni, an organization seeking to further technical education in San Francisco and promote the engineering professions, crafts and trades represented in its membership, has been called for May 31 in Shasta Hall, Native Sons Building, to hear M. M. O'Shaughnessy, city engineer of San Francisco, lecture on the Hetch Hetchy project. Invitations have been extended to city officials and others prominent in civic and educational affairs, which assures the passing of a pleasant and instructive evening. August G. Headman, San Francisco architect, is president of the Alumni.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

Geo. E. Graft of San Jose was elected president of the California Building-Loan League at the final session of the annual convention held in Oakland. Other officers elected are: R. M. Kedzie, Los Angeles, first vice president; F. L. Williams, Stockton, second vice president; Paul Endicott, Pomona, third vice president. L. B. Tucker, W. M. Southeimer and R. R. Rorke, members of the executive committee.

California has more electrically lighted homes in proportion to its population than any other State, according to a survey made by the National Electric Light Association. The number of residental electrical customers in California is 752,000, while the increase for the year 1921 averaged 29.8 per cent. The State has 226 residental users for each 1,000 of population.

Articles of incorporation have been filed with the county clerk at Fresno by the Anderson Separator Co., with the principal place of business as Fresno. The company will deal in general machinery and mechanical appliances and is capitalized at $50,000. Incorporators are Harry Anderson, R. J. Majors, J. D. Hornbuckle and N. P. Bischoff of Coalinga and Frank Waterfield of Fresno.

Harron, Rickard & McCone, 139 Townsend street, Pacific Coast representatives for the Koehring Company, are in a position to furnish concrete mixers in capacities of from 6 cu. ft. to 44 cu. ft. loose material. The company handles a complete line of wheelbarrows, concrete carts, saw tables and complete contractors' equipment of every description.

Detailed plans of an intensive campaign on electrical appliances which will be held in the State from June 5 to 10, will be discussed at the luncheon of the San Francisco Electrical Development League next Monday at the Palace Hotel. The luncheon will be under the auspices of the California Electrical Development Campaign.

Los Angeles building operations for May are running very close to those for April. Up to and including the 16th the number of permits issued in May was 2294, and the estimated valuation, $1,970,560. During the same period in April, 2327 permits with an estimated valuation of $1,970,970 were issue. Based on the average to date the April building record should be around nine million dollars.

Frederick Delano, former president of the Wabash Railroad, threw a bombshell into the United States Chamber of Commerce convention held in Washington, when he declared that such a thing as the "open shop" is an irridescent dream. He was addressing the organization which organized labor proponents of the closed union shop consider their most powerful enemy.

Legal proceedings have been started by the Southern Pacific Co. to halt a $40,000 paving project in Tracy on the grounds "that the proceedings taken by the city officials are invalid and insufficient."

U. S. Civil Service Commission will hold examinations on July 5 and August 23 for "Junior Engineer, Bureau of Standards," a position carrying a salary from $1,200 to $1,500 a year. Applications may be had from the offices of the commission in the Post Office buildings at San Francisco, Fresno, Eureka, Los Angeles, Stockton, Sacramento and San Diego.

Grade marking of lumber will be one of the important features of conferences to be held with Secretary Hoover in Washington, beginning May 22. It is said that lumber is the only building material carried in stock by the average retail lumber dealer which does not bear either the name of the producer or a specific guarantee of quality.

The Pacific Gas and Electric Co., employing several hundred men in the eastern section of Shasta County, has advanced wages to $3.60 a day for nine hours' work. Frank Rolandi, contractor on the company's big tunnel, has advanced wages of men working in concrete to 50 cents an hour.

R. D. Lindsay, San Francisco apprentice painter, blinded while at work, has been awarded $3705 by the Industrial Accident Commission and $9.50 a week for the remainder of his life. Lindsay was injured by dynamite caps which exploded when he lighted a cigar.

The House Rivers and Harbors Committee has ordered the re-examination and report by Army Engineers on the Petaluma Creek project, Representative Lea having advised of the desire of the city of Petaluma to include some 800 feet in the project.

State Civil Service Commission announces an examination will be held June 24 in San Francisco, Sacramento and Los Angeles to fill the position of senior architectural draftsman, grade 4. Applications must be filed before June 17.

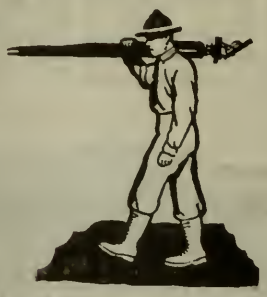
Wrecking of the Atchison, Topeka & Santa Fe railway machine shop at Albuquerque, N. M., to make way for the largest boiler and tank shop on the system has been started. The new shop will cost between $400,000 and $500,000.

An election will be held June 3 in the Turlock Union High School District to vote bonds of $175,000 to complete high school building. Should issue fail to carry the Trustees propose to levy direct tax to accomplish the work.

A public hearing will be held June 2, at 2 P. M., in Room 401, Custom House, San Francisco, to consider the application of Frederick J. Amweg, for a modification in the existing pierhead lines in San Francisco bay, near China Basin and Mission Rock.

The State Department of Public Works seeks authority of Railroad Commission to construct crossing over tracks of San Francisco-Sacramento Railroad near Denverton, Solano County.

ALONG THE LINE



E. J. Cresson Jr., Chief Engineer at the port of New York, is studying the plans for improvement of San Diego harbor sent to him by City Manager Rhodes. Cresson has been recommended for consulting harbor engineer for San Diego by J. Spencer Smith, vice chairman of the New York harbor commission.

Frank Tardy Mills, 1845 Francisco St., Berkeley, died May 17, following a short illness. For many years Mills was employed in the central office of the P. G. & E. Co. in San Francisco as consulting engineer.

R. P. Davidson of Hughson has been appointed manager of the Oakdale branch of the Ward Lumber Company. W. L. Ward, former manager, will be located at the main offices of the company at Modesto.

The Herberts Machinery & Supply Co. of San Frencisco and Los Angeles has been appointed exclusive representative for California, Arizona and Nevada for Norton grinders.

C. E. Ingalls has been appointed Western District Representative for the Industrial Controller Co. of Milwaukee and has established offices in the Rialto Bldg., San Francisco.

The Holton Grain Elevator Co. of Spokane, Wash., has the contract to construct a $30,000 grain elevator at Salinas for the growers in that section.

Plant of Emerson Hardwood Lumber Co., Portland, Ore., suffers $200,000 fire loss May 21. Minor losses suffered by Eastern and Western Lumber Company.

The East Bay Water Co. has been granted permission by the Oakland City Council to place 2.85 miles of 20-in. water main in the eastern section of the city.

A. F. Morse, deputy city engineer of San Diego, will leave the service of that city about July 1 to accept a position in Los Angeles.

Offices of the Associated Metal Lath Manufacturers have been moved from 72 W. Adams St. to 123 W. Madison St., Chicago, Ill., Room 819.

Western Building and Loan Co., of Salt Lake City, Utah, has opened a branch office at Hayward, Cal.

Superior Pump Co. of Lodi will erect $15,000 salesroom and warehouse in Marysville, with T. R. Peters in charge.

Chas. de St. Maurice of Colusa will be candidate for office of County Surveyor at coming election.

Harvey M. Tyrrell, retired Oregon lumberman, died at his home in Berkeley May 23.

SEATTLE PUBLICATION COMMENTS ON SAN FRANCISCO "AMERICAN PLAN"

(Seattle Journal of Commerce)

The American Plan, as established and enforced in San Francisco by the Industrial Association is something distinct and different from the old-time, so-called open shop. Whereas the open shop wherever enforced usually has meant the entire absence of all restrictions or restraint upon employers with respect to wages paid, hours of work and other conditions of employment—thereby giving opportunity for a few unscrupulous employers to deal unfairly, the American Plan in San Francisco has set up machinery for reasonable control of these matters in the interest of the public. At least, that is the claim of the Industrial Association of the California city.

In other words, it is a plan conceived in the interest not of any special group or faction, but in the interest of the three parties to industrial relations: the public, labor and the employers.

The American Plan is predicated upon the proposition that the public interest is paramount to that of any other community element, and that neither labor nor capital, nor any other faction or class, should be allowed to take action that wil jeopardize that interest. And, as the public interest actually would be jeopardized as much by unfairness of any kind visited by the employers upon labor or consumers, as by the autocratic labor control of industry, the American Plan prevents either of these things taking place.

The American Plan says to labor: "You cannot be allowed to secure an autocratic, selfish and restrictive control over industry, for the result is that not only the industry itself, but the whole public is seriously injured thereby." It says to the employer: "You cannot be permitted to beat down labor, for when labor receives less than that to which it is justly entitled, not only labor but the whole public suffers seriously and is permanently injured—and we will not give you such unlimited backing that you can enter into combinations with your competitors and get a monopolistic control in your industry under cover of a community-wide organization."

Then, turning again to labor, it says: "You are entitled to an equitable wage, to reasonable hours and to decent working conditions, but in turn you must be willing to give to your employers honest, loyal and efficient service." And, turning once more to the employer, it says: "You have the right to demand honest, loyal and efficient service from all your employes. You are entitled to the right of hiring and discharging employes individually on merit, without outside interference, so long as on all occasions that right is exercised only upon broad principles of justice; and to the right of rewarding individual merit in employes, but in turn you must recognize the obligation of the management to the employes generally, and particularly to co-operate in providing, so far as possible, continuous employment."

"Roughly, and in brief, that is the American Plan as established and enforced in the building industry of San Francisco by the Industrial Associaation. Theoretically fair, it stands proven as practically fair as well. It has freed labor from the self-imposed but misconceived restraint of selfish leadership, has emancipated employers from the throttling control of certain labor unions, and has guaranteed to the public, to labor and to the employer that all their legitimate rights will be protected at all times.

Spending one's time in trying to find out what the other fellow is doing is not always a good practice. We might occasionally employ this time to good advantage in trying to find out just where we, ourselves, stand in the scheme of things.

PLUMBERS' SCHOOL ESTABLISHED BY INDUSTRIAL ASSOCIATION

The Industrial Association of San Francisco, in co-operation with the Master Plumbers' Association, announces the opening of a school for the training of plumbers.

Each applicant for admission to the school has been rated according to his standing in an intelligence test, and placed in one of three groups. Instruction and training of the first group, under the direction of a skilled master plumber, has already begun. At the end of two weeks, members of this group will go out on jobs or into the shops of the master plumbers for four weeks; and group two will enter school. At the end of the second two weeks, group three will enter the school. At the end of the third two weeks, members of group three will go out on jobs or into the shops, and group one will return to the school for another two weeks of intensive instruction and training.

This method of two weeks in the school and four weeks on the job or in the shops of master plumbers will be followed until each group has had a minimum of eight weeks' training in the school. While attending the school (which is in session eight hours a day, five and one-half days a week) students will receive no pay. But while on the job or in the shops of master plumbers they will be paid the regular apprentice wage of $2.50 per day. Through exercising care in the selection of the students and applying the intensive method of training described, it is believed possible to turn out competent journeyman plumbers in from a year to a year and a half—a saving of virtually three years over the old method.

The school, which is free, will be able to accommodate a few more students in group two and three, and application for admission may be made either at the office of the industrial Association or at the headquarters of the Master Plumbers' Association.

STOCKTON BUILDERS ELECT EXCHANGE OFFICERS

Nine directors were elected at a recent meeting of the Stockton Builders' Exchange. The next step to be taken will be the election of representatives of each craft to serve on a central council. This body will be the legislative branch of the organization.

The nine directors chosen are: O. H. Chain and Ed Riley, general contractors; E. L. Morrison, brick contractor; Wm. Murphy of the Bright Spot Electric Company; Robert Inglis of the San Joaquin Lumber Company; L. A. Danner & Co.; Wm. F. O'Keeffe, of Fisher Bros. Planing Mill; Charles Rich of the Stockton Tile Company, and Owen Miller of the Miller-Hays Company.

Frank A. Kent, Yosemite Bldg., Stockton, is temporary secretary of the Stockton Exchange.

WHITE LEAD SUBSTITUTE

The elimination of white lead, with its poisonous effects, from the manufacture of paint is apparently promised by use of a product which is being manufactured by a Sydney (Australia) concern. This product is oxide of antimony, which is non-poisonous and complete success is claimed for it. The antimony used in its manufacture is taken from the Costerfield mine, Victoria, according to the Manufacturer' Journal of Sydney. The oxide is said to be produced cheaper in Australia than in any other part of the world.

FUNDS AVAILABLE FOR PACIFIC COAST HARBOR PROJECTS

The House of Representatives has passed a bill appropriating $31,442,000 for numerous rivers and harbors projects throughout the country. Projects authorized and the appropriation recommended include: San Diego harbor, California, $135,000; Los Angeles harbor, California, $730,000; San Francisco harbor entrance, $530,000; Oakland harbor, $1,375,450; Coos Bay harbor and Isthmus slough, Oregon, $3,310,000; Columbia and Lower Willamette Rivers, below Portland, $1,750,000; Willamette slough, Oregon, $23,350; Clatskane River, Oregon, $4620.

The bill authorizes surveys to determine the advisability of improvements in Los Angeles and Long Beach harbors, California; Newport Bay, California; South San Francisco harbor, California; Pinola Shoals turning basin, California; Sacramento and San Joaquin Rivers, California; North Portland harbor, Oregon; Deer Island slough, Oregon; entrance to Port Richard, Washington; Everett harbor, Washington; Puget Sound, Washington; Bellingham harbor, Washington.

DEMAND FOR MONEY FOR NEW BUILDING OPERATIONS

S. W. Straus & Co., large lenders of money for new buildings, comment on the building situation as follows:

"There is a good demand for funds to carry on new building operations. The general fundamental conditions in the situation are now so nearly normal that since January 1 we have underwritten building loans amounting to $43,980,000, of which $26,510,000 was for apartment houses, $12,350,000 for office and loft buildings, and $5,120,000 for miscellaneous structures. If the demand continues at the same rate, and fundamental conditions seem to so indicate, we shall be in a position to loan approximately $100,000,000 more to finance new building construction during the balance of the present year.

"That the present encouraging conditions are nation-wide in character is indicated by the widely scattered range of these financial underwritings, which include loans in fourteen cities and thirteen States, as follows: New York, Chicago, Philadelphia, Boston, Atlanta, Detroit, Fort Worth, Cleveland, Birmingham, Dallas, San Francisco, Kansas City, Seattle, and Portland, Oregon."

U. OF C. TO STUDY REDWOOD SECOND GROWTH

Emanuel Fritz, Assistant Professor of Forestry at the University of California, is beginning a study of the property, qualities and uses of lumber produced by second growth redwood, according to an announcement of the Division of Forestry of the University of California.

Professor Fritz is endeavoring to get into touch with companies who have already cut and used some of this second growth, so that he may examine the quality of the lumber and learn of the satisfaction that it is giving.

This study is one of a series which is being conducted to determine the conditions under which redwood forests may be managed to insure continuous crops of timber and the probable yield of second growth.

Labor Situation in San Francisco as Seen by E. T. Thurston, Secretary S. F. General Contractors' Ass'n

E. T. Thurston, secretary of the General Contractors' Association of San Francisco, in the current issue of the American Contractor, published in Chicago, reviews the San Francisco labor situation as follows:

Central California, particularly the region contiguous to San Francisco Bay, has long been known as one of the strongholds of organized labor. Certain industries have succeeded in maintaining open-shop conditions and others that once flourished under the natural advantages afforded by a region where rail and water meet, have from time to time been forced by economic necessity to seek other localities where labor and political conditions were more favorable. But the building industry can't migrate. It has to make the best of conditions as they are.

Wages Pyramided in 1920

Early in 1920 there developed a marked tendency to pyramid wages. In order to meet the stuation the General Contractors' Association of the Bay Counties District Council of Carpenters co-operated to make a single issue of the entire wage problem, which accordingly was placed in the hands of the Building Trades Council and the Building Industries' Association (now merged with the Builders' Exchange) for conference. An agreement was made on February 24, 1920, providing for an increase in all wages (except for common labor), then amounting to $8.00 per day or less and laying the foundation for future adjustments in accordance with changes in the cost of living as determined by the U. S. Bureau of Statistics.

Disregarding the spirit of this agreement, the Master Plumbers and the Plumbers' Union promptly negotiated a private agreement involving a further increase in wages, which naturally produced dissatisfaction, and further increases in other crafts by private agreement marked the failure of the attempt to stabilize the wage question. But the fundamental principle that wage adjustments should be based upon changes in the cost of living remained. When, therefore, in the summer of 1920, seventeen crafts made peremptory demand for wage increases after the decline in the cost of living had set in, the necessity for arbitration was recognized by both employers and employees with a result that arbitrators were chosen in a secret deliberation by representatives of the Builders' Exchange and the Building Trades Council and their services secured in the public interest through the kind offices of the Chamber of Commerce.

The Arbitration Agreement, which was dated January 18, 1921, is important and concise enough to warrant quotation in full.

Arbitration Agreement

1. In the matter of arbitration between the Builders' Exchange and the Building Trades Council, we hereby accept the following three arbitrators, to-wit: Archbishop E. J. Hanna, Max O. Sloss, ex-Associate Justice of the Supreme Court of California, and George L. Bell, consultant in Industrial Relations and Management.

2. It is understood that all three arbitrators are to be deemed impartial arbitrators of all controversies, and under no circumstances is any one of them to be considered a representative on the Board of Arbitration of either of the contending parties.

3. It is agreed that this board shall sit as a continuing Board of Arbitration as to hours, wages and working conditions in building trades where there are no disputes now, as well as in those where there are, when and as such disputes arise between the signatory parties, and that the decisions of the Board shall be accepted as final and carried out by all parties. This step is taken in order to provide a permanent method of settling amicably and in a reasonable manner labor disputes in this city affecting the building trades, and with the hope that building operations henceforth may be put on a certain and stable basis—a result which will be of advantage to the worker, to the employers and to the public.

4. It is also agreed that the Board of Arbitration may go into all questions concerning the general building situation and call upon the signatory parties for information and copies of contracts or agreements concerning any phases which the Board desires to investigate.

5. It is further agreed that the Board of Arbitration may incur such expenses as it deems necessary for the employment of investigators and clerical assistance; and that the entire expense incurred by the Board will be shared equally by the signatory parties.

6. It is understood that all hearings of the Board of Arbitration are to be conducted as public sessions, save and except such special hearings as in the judgment of the Board should be held in executive session.

7. It is understood that the trades in which there are now disputes concerning hours, wages or working conditions, which disputes will be immediately submitted to Board, are as follows:

Painters, glass workers, varnishers and polishers, cement finishers, cement laborers, hod carriers tending plasterers, marble rubbers and sawyers; marble finishers and polishers, marble masons; marble masons' helpers, hoisting and portable engineers, roofers, elevator constructors, elevator constructors' helpers, reinforced iron workers, team and auto truck drivers, plasterers.

(Signed for)
BUILDING TRADES COUNCIL,
By P. H. McCarthy, Pres.
THE BUILDERS' EXCHANGE,
By Chas. W. Gompertz, Pres.

Method of Procedure

The disputes in the specified trades were submitted to the Arbitration Board seriatim by brief, one party in each case contending for a specific higher wage, the other contending for a specific lower wage, than that then prevailing. The arguments of each party concluded with a plea in substantially the same form for every case. Take the case of the roofers for example. The concluding paragraph of the brief of the Building Trades Council reads:

We, therefore, pray that your honorable Board award the roofer a wage of $10 per day from August 1, 1920, to the date of your award, and thereafter for such additional amount as you in your judgment deem right, just and equitable."

It will be noted that the Building Trades Council does not limit its plea to the increase originally demanded, but despite the falling prices, asks that the wage be further augmented.

The brief of the Builders' Exchange, on the other hand, concludes as follows:

"Therefore, we request:

"1. That the wages of the men be fixed at $7.50 a day, with the understanding, however, that as living expenses go down, the wages shall be further reduced.

"2. That your honorable Board investigate the other matters complained of and make such recommendations with regard thereto as your judgment may dictate."

The Board announced a "temporary award" on March 31, 1921, reducing wages in the several trades considered 7½ per cent, effective April 11. The Building Trades Council immediately petitioned a suspension and reconsideration of the decision on the plea that the board had no jurisdiction to award a decrease in wages, but only an increase. A hearing was held on this point, with the result that the Board reaffirmed its award effective May 9, in connection with which the Board states:

"During the presentation of the evidence this issue (of increase vs. decrease of wages) was raised and there was nothing in the course of the procedure followed by both parties in the presentation of their case, to indicate that the issues were intended to be limited as now suggested. Nor did the Building Trades Council in its replies to statements and arguments filed by the contractors, make the point that Board had no right to consider the requests for decreases made in these statements and arguments."

The Builders' Exchange accepted the award, not as adequate but because it agreed to, and it is morally stopped from departing therefrom until formally released from obligation under the agreement. The wage reductions inconsiderable as they are, would not profit the members of the Exchange, for they had openly arranged to turn over to the unions, for the benefit of the men involved, the difference between the old and new wages on all work in progress.

Rejection of Award

The following day the Building Trades Council rejected the award and reiterated its contention.

Every possible effort was made to settle the matter amicably, short of consenting to the setting aside of the award, which would have been tantamount to repudiation, not only of the agreement, but of the eminent citizens that composed the Board and of arbitration as a means of settling industrial disputes.

Naturally there was great reluctance among employers, particularly those with numerous permanent employees, to undertake to operate with an entirely new force of men. The wage cut was so slight as to be virtually immaterial, and there was nothing to mar the friendly feeling between individual employers and their men. Employers and employees alike

cre hopeful for an early solution ıat would avoid the displacement of d employees with new.

Builders' Activities

Realizing the possibilities for indus-ial conflict, with organized labor in ation-wide rebellion against any re-uction from the emergency wages of 920, with business dull under pre-ailing high costs and with a general npression that labor is temporarily ıefficient, the Builders' Exchange, nder the wise leadership of President harles W. Gompertz, had the fore-ight to enlist the advice of leading ıen in industrial and commercial ircles through the Chamber of Com-ıerce and also, a measure, of the ity administration (the latter nor-ıally sympathetic with union labor). 'he arbitration agreement which re-ulted from their joint efforts was so imple and comprehensive and fair hat the public had little difficulty in ppreciating its merits, with the re-ult that neither party could break it vithout losing the support of the pub-ic.

The declaration for the American 'lan, which was made effective on 'une 13, 1921, established a temporary vage scale, in accordance with the ward of the Arbitration Board, 7½ ıer cent below the peak. Meanwhile, ın impartial tribunal was to be 'ormed to study the wage question n its various phases and report a rea-ıonable wage scale for all the trades, :o be effective on or about November 12, 1921. Up to this time the public nterest in the movement had been ıandled by the Chamber of Commerce through its Indutsrial Relations Com-mittee. Now, however, it was decided necessary to form a separate organ-ization to assume the responsibility and handle the immense detail in-volved. Accordingly the Industrial Association of San Francisco was formed and a subscription fund of about two million dollars raised for its support.

Under the auspices of the Industrial Association, with the invited collabor-ation of employers, employees and every one interested, the Impartial Wage Board was established in Octo-ber, consisting of Archbishop E. J. Hanna, C. F. Michaels, wholesale druggist, and H. U. Brandenstein, lawyer, and immediately inaugurated public hearings on the wage question. Many union officials participated in the choice of the Board and in its hearings, as did the Builders' Ex-changes of San Francisco and Oak-land and their allied craft organiza-tions.

The decision of the Board, pub-lished on December 23, 1921, reaffirms the reasonable working conditions that custom has established generally in the building trades of this coun-try, avoiding all injurious restrictions, and offers a schedule of wages for the calendar year 1922, in which it has undertaken to readjust trade differen-tials on a reasonable basis, consid-ering relative skill, continuity of em-ployment, shortage of skilled work-men, etc. Certain union-made differ-entials have been modified, concrete workers, for example, being deposed from the category of mechanics to that of laborers.

The Wage Board introduced into its decision one novelty that is causing considerable confusion. Instead of pre-cribing either a minimum wage, in accordance with long-established cus-tom, or a fixed wage, it in effect mere-ly issued an opinion as to what fair wages in the respective crafts should be, saying in this regard: "The com-pensation prescribed is that which is to prevail for the general average skill in the crafts, still permitting al-lowances in individual instances for adjustments based on variations from that average."

The scale itself is undoubtedly fair, but to be of practical use instabiliz-ing industry it must designate for me-chanics in each of the several trades either a minimum, a maximum or an actual wage. Quickly recognizing this fact, the Builders' Exchange forth-with adopted the suggested wages as the actual and only wages to be paid. The Industrial Association, represent-ing the public, without whose sup-port the American Plan is unfeasible, adheres strictly to the decision of the Wage Board and declines to assist in maintaining a fixed scale as adopted by the Exchange. The consequence is that members of the Exchange lose their plasterers, plumbers and brick-layers to non-members and are com-pelled to figure common labor at $4.50 and $5.00 in competition against non-members, who may pay $3.50 and $4.00.

Need for Skilled Workers

The object of the American Plan and the wage adjustment is to stabil-ize construction costs on a reasonable basis so as to encourage the invest-ment of capital in building operations. If the Wage Board's scale were en-forced as an actual scale, the net ef-fect on the average cost of building labor would be a reduction of 14 per cent from the peak of 1920, making it 58 per cent higher than in 1914. Plasterers and laborers would receive the greatest increase, 82 per cent and 80 per cent repsectively, and stone set-ters and composition roofers least, 21 per cent and 25 per cent respectively.

Such is the scarcity of competent mechanics that unless the hard-headed business men that represent the public can be led to see the necessity of or-ganized endeavor in restraint of indi-vidual greed and hence to get behind the Exchange, the peak prices of 1920 may soon be with us again and our business revival be nipped in the bud. Practically all the unions protested against being deprived of the privilege of "collective bargaining," but as the wages prescribed were deemed reason-able they agreed to work under Amer-ican Plan conditions. About April 1, however, following a visit of cer-tain international officials and the convention of the State Building Trades Council, bricklayers, plaster-ers, plumbers, steamfitters and one or two other groups of union mechan-ics refused to work with non-union workmen, and progress in these trades is therefore somewhat retarded. There is no disorder and there is every indication that the American Plan has come to stay.

BANKER FORECASTS BUILDING BOOM FOR OAKLAND

A $25,000,000 building program for Oakland is predicted by Geo. E. Mel-lon of the Bank of Italy. The banker declares he has knowledge of fifteen buildings projected for early construc-tion.

Mellon declares the building boom, long predicted, has already com-menced, and that Oakland's downtown section will soon emerge from its pro-vincial appearance to a more truly metropolitan atmosphere.

"Sixty-six new industries have lo-cated in Oakland in the past year, and from a position of obscurity Oakland has suddenly sprung into a place of prominence in the industrial world," says Mellon.

J. J. DONOVAN, OAKLAND ARCHI-TECT, TO LECTURE FOR U. OF C.

John Joseph Donovan, Oakland arch-itect, who has distinguished himself in the designing of some of the show places and schools of Oakland and vi-cinity, will give a course entitled "The Practical Side of School House Plan-ning" during the summer session of the University of California.

This course is intended for school executives, superintendents, principals, teachers preparing for administrative work, and others interested in the problems of school building. Lectures, discussions and stereopticon views and films of the important details of school building will be used in presenting the problems.

The Oakland Auditorium and the Oakland Technical High School are among the well-known buildings erected under the direction of Mr. Donovan. His book on School Archi-tecture, which has been recently pub-lished, is receiving much favorable comment.

BONDSMEN SUED FOR BILLS OF TURLOCK CONTRACTOR

Suit has been brought by Joost Bros., Inc., of San Francisco, against Leon-ard F. Johnson and A. T. Anderson, bondsmen for O. C. Holt, a Turlock building contractor, for the recovery of claims against Holt for materials purchased from seven firms by Holt for use in the construction of a gym-nasium for the West Side High School District of Tracy. The total claims, including attorney fees, amount to $11,684.38.

The material used in the building was purchased by Holt from seven firms, who have transferred their claims to Joost Bros. for recovery. The alleged upaid bills of the differ-ent companies against Holt's bonds-men are as follows: Joost Bros., Inc., $500; attorney fees, $150; Santa Fe Lumber Company, $4538.15; attorney fees, $750; Klye Company, $1461.18; at-torney fees, $250; Stockton Hardware & Implement Company, $201.70; attor-ney fees, $50; Turlock Plumbing Com-pany, $1450; attorney fees, $250; Gray & Strahorn Company, $607.75; attorney fees, $75; Johns-Manville Inc., $1150; attorney fees, $250.

The complaint also asks that costs of action be paid by defendant. Jor-dan & Bran of San Francisco are the attorneys for the plaintiff.

HEALTHY BUILDING SEASON LOOMS AT FRESNO

Commenting upon the building out-look in Fresno, F. B. Billings, presi-dent of Billings & Meyering and the Fresno Building Corporation, says: says:

"This is going to be the greatest building year in Fresno's history and with the need for homes as great as ever, we should all do everything in our power to encourage the building of more. We have, not yet completed the first five months of the year, and already we have gone over the five million dollar mark in residential structures. If this keeps up, as we have every reason to believe that it will, the average of one million dol-lars' worth of homes every month will give us a total for 1922 of $12,000,000. Add to this seven to eight million dol-lars' worth of business buildings now going up or definitely projected, and the building total for the year in Fres-no will be well over twenty millions."

Building News Section

APARTMENT HOUSES

Plans Being Prepared.
APARTMENTS Cost, $20,000
SUSANVILLE, Lassen Co., Cal.
Two-story frame and plaster apartment house (10 2 and 3-room apartments.
Owner—A. J. Mathews.
Architect—Woollett & Lamb, Hagelstein Bldg., Sacramento.

Owner Taking Figures.
APARTMENTS Cost, $20,000
SAN FRANCISCO. S Green 126 E Polk.
Three-story and basement frame (10) apartments.
Owner—Ramazzotti & Ghiotti, 1475 Vallejo and 1363 Green St., San Francisco.
Architect—Morrow & Garren, 1605 Chronicle Bldg., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $128,000
FRESNO, Fresno Co., Cal. J St. in the 1600 Block.
Four-story fireproof store and apartment building (48 2 and 3-room apartments).
Owner—M. D. Hermann, St. Andrews Apts., Fresno.
Architect—Not given.

Plans to be Prepared.
APARTMENTS Cost, $——
SAN FRANCISCO. NE Sutter and Larkin Streets.
Reinforced concrete or brick 80 room apartment house.
Owner—Wm. H. Woodfield Jr., Alexander Bldg., San Francisco.
Architect—Not Selected.

Plans Completed—To be Done by Day's Work.
ALTERATIONS Cost, $——
SAN FRANCISCO. Fulton St. near Divisadero St.
Alter frame flat building into 6 4-room apartments.
Owner—H. I. Cohn.
Architect — Henry Shermund, Hearst Bldg., San Francisco.

Plans Being Figured.
APARTMENTS Cost, $10,000
SAN FRANCISCO. NW North Point & Leavenworth Sts.
Two-setory and basement frame and plaster apartment house (4 3 and 4-room apts.)
Owner—Withheld.
Architect—Wm. H. Armitage, Call Bldg., San Francisco.

Contract Awarded.
APARTMENTS Cost, $34,376
BERKELEY, Alameda Co., Cal. Piedmont Ave and Dwight Way.
Three-story and basement frame and plaster apartment house.
Owner—Mr. Prey.
Architect—W. H. Ratcliff Jr., First National Bank Bldg., Berkelty.
Contractor—L. L. Lucas, 545 59th St., Oakland.
Contract includes all work except the heating system, for which bids will be taken immediately.

Owner to Take Sub-Figures. To Be Done by Day's Work.
APARTMENTS Cost, $——
SAN FRANCISCO. SE Bush and Taylor Sts.
Six-story Class A store and apartment house building (44 apartments).
Owner—A. Penziner, 1032 Balboa St., San Francisco.
Architect—E. H. Denke, 1817 Hyde St., San Francisco.

To Be Done by Day's Work.
APARTMENTS Cost, $20,000
OAKLAND, Cal. SW Alleen and Grove Sts.
Two-story frame stores and apartments.
Owner—L. H. Spencer, 5625 Grove St., Oakland.

BANKS

Sub-Figures to Be Taken Shortly.
ALTERATIONS Cost, $100,000
OAKLAND, Cal. Broadway near 17th St. (Athens Hotel).
Extensive alterations to first floor of 5-story building for banking quarters.
Owner—Commercial Trust & Savings Bank (S. E. Biddle, President)).
Architect and Contractor — Wm. Knowles, Hearst Bldg., San Francisco, and Central Bank Bldg., Oakland.
Work will be started immediately.

Plans Being Figured—Date of Opening Bids Extended to May 31, '22.
BANK Cost, $300,000
SACRAMENTO, Cal. SW Sixth and K Sts.
One-story Class A bank building.
Owner—Bank of Italy.
Architect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
Figures are being taken for a general contract.

Plans Being Figured.
BANK Cost, $20,000
LAKEPORT, Lake Co., Cal.
One-story and basement reinforced concrete bank building.
Owner—Bank of Lake.
Architect—Morrow & Garren, Chronicle Bldg., San Francisco.

BONDS

SAN ANSELMO, Marin Co., Cal.—Election will be held June 10 in San Anselmo School District to vote bonds of $20,000 to finance school improvements. Trustees of district are: Fred N. Reeve, B. H. Schmidt and Letitia Jones.

MODESTO, Stanislaus Co., Cal.—Until June 13 bids will be rec. by supervisors for purchase of $20,000 bond issue of Patterson School District. Proceeds of sale to finance school improvements.

CHICO, Butte Co., Cal.—Election will be held June 9 in Shasta Union School District to vote bonds of $40,000 for school improvements. Trustees of district are: Frank R. Parker, Uel L. Garner, Mrs. Elizabeth Anderson, Shelby C. Carmack and Charles J. Hopkins.

YUBA CITY, Sutter Co., Cal.—Pleasant Grove Union School District will vote June 10 question of issuing bonds of $30,000 for school improvements. Trustees of district are: F. B. Drennon, S. G. Gilliland, F. W. Algeo, G. S. Howsley and J. G. Davis.

VISALIA, Tulare Co., Cal.—Election will be held May 29 in Wilson School District to vote bonds of $7,500 for school improvements. Trustees of the District are W. T. Winter, C. C. Tatum and J. B. Haymaker.

MILLBRAE, San Mateo Co., Cal.—Election will be held June 17 in Millbrae School District to vote bonds of $80,000 for school improvements. The Trustees of the District are: Fred A. McNulty, S. E. Throwell and Peter Glouzenos.

FRESNO, Fresno Co., Cal.—Election will be held June 14 in Navelencia Union School District to vote bonds of $15,000 for school improvements. The Trustees of the district are: A. S. Spaulding, Robert Hixson, Arnold Poulsen, Charles Whitney and H. C. Hayden.

SANTA ROSA, Sonoma Co., Cal.—Bonds of $375,000 voted to finance construction of new Santa Rosa High school building, to replace structure destroyed by fire.

FRESNO, Fresno Co., Cal.—An election will be held June 20 in Tranquility School District to vote bonds of $40,000 to finance school improvements. Trustees of district are: C. E. Goodrich, E. E. Slater and K. O. Whitson.

VISALIA, Tulare Co., Cal.—Election will be held June 2 in Goshen School District to vote bonds of $10,000 for school improvements. Trustees of district are: Blanche Wright, David Rivers and E. C. Chapman.

SEBASTOPOL, Sonoma Co., Cal.—Election held to vote bonds to finance construction of new city hall failed to carry.

OAKDALE, Stanislaus Co., Cal.—Trustees will call election to vote bonds of $35,000 to finance construction of municipal hospital.

SACRAMENTO, Cal.—Until June 5, bids will be rec. by Supervisors for purchase of of $45,000 bond issue of Isleton Union School District. Proceeds of sale to finance school improvements.

TURLOCK, Stanislaus Co., Cal.—June 3 is the date set in Turlock Union High School District to vote bonds of $175,000 to finance completion of the high school. Should the election fail to carry, the trustees propose to levy direct tax to finance the work.

CHURCHES

Completing Plans.
CHURCH Cost, $125,000
SAN FRANCISCO. 13th Ave. and Clement St.
Reinforced concrete church to seat 1000.
Owner—Fourth Church of Christ Scientist.
Architect — Carl Werner, Humboldt Bank Bldg., San Francisco.
Plans will be ready for figures in about a month.

Bids Opened
CHURCH Cost, $100,000
SAN MATEO, San Mateo Co., Cal. Tilton Avenue from Ellsworth to Griffith.
Reinforced concrete church, 600 seating capacity (tile roof).
Owner—Congregational Church.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
The contracts will be awarded in about 30 days.

General Contract

Lawton & Vezey, Call Bldg., S. F.	$ 98,400
Barrett & Hilp, S. F.	99,887
Walter Murch, Oakland	112,250
H. P. Nelson, Oakland	114,500

Electric Work

Newbery Elec. Co.	$1804
Edison Elec. Co.	2640
Bradshaw Elec. Co.	2710
Capitol Elec. Co.	2825

MERCED, Merced Co., Cal.—Funds are being raised by A. M. E. Zion Church to erect new edifice and parsonage at L and 14th Sts. Est. cost, $5000.

MARYSVILLE, Yuba Co., Cal.—Committee has been appointed by the Presbyterian Church to secure funds to reconstruct the present church building. Architect's estimate place cost of work at $25,000.

LOS BANOS, Merced Co., Cal.—Funds being raised by Los Banos Catholic Church to erect new edifice costing $22,000. Of this amount $9148 has been collected.

FACTORIES & WAREHOUSES

Figures to Be Taken in Ten Days.
WAREHOUSE Cost, $125,000
SACRAMENTO, Cal. Front and M Sts.
Four-story reinforced concrete show room and warehouse building.
Owner—Crane Co.
Architect—Woollett & Lamb, Hagelstein Bldg., Sacramento.

Bids to be Called for Within Ten Days.
PRINTING PLANT Cost, $140,000
SACRAMENTO, Cal. SW Eleventh and O Streets.
Two-story and basement Class A State printing plant, 160x160 (reinforced concrete walls, metal sash, clay tile roof).
Architect—State Department of Engineering, W. F. McClure, State Architect, Ferum Bldg., Sacramento.
The structure when completed will cost approximately $240,000, of which amount $143,000 is now available for erection of the shell of the building. The next Legislature will be asked to appropriate sufficient funds to complete the structure.

Plans Being Prepared.
WAREHOUSE Cost, $——
HAYAWRD, Alameda Co., Cal.
Warehouse buildings.
Owner—Hayward Poultry Producers Assn., B St., Hayward.
Architect—Name withheld for present.

Plans Being Figured.
PACKING BLDG. Cost, $——
DINUBA, Tulare Co., Cal.
Three-story packing building, 140x80.
Owner—Sun Maid Raisin Growers, Holland Bldg., Fresno.
Architect—Trewhitt-Shields Co., Rowell Bldg., Fresno.

Figures to Be Taken Shortly.
PRTG. PLANT Cost, $——
SAN FRANCISCO. Howard St. bet. 5th and 6th Sts.
One-story reinforced concrete building for printing plant.
Owner—Louis R. Lurie.
Lessee—The Leighton Press, 516 Mission St., San Francisco.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.

SEBASTOPOL, Sonoma Co., Cal.—Directors of Sebastopol Apple Growers' Union vote to erect packing house at Trenton; will be 80x120 ft. An addition, 80x80 ft., will be made to Molino packing house, also to the packing plant at Healdsburg.

SACRAMENTO, Cal.—The California Highway Commission received bids on May 22nd as follows for the electrical work in connection with the construction of the Maintenance Building now being erected in Sacramento.
Latourrette-Fical Co., Sacto.....$3831
Scott Lyman & Stack, Sacto..... 4750
Engineer's Estimate, $4387.90.

MARYSVILLE, Yuba Co., Cal.—Superior Pump Co. of Lodi will erect a $15,000 salesroom and warehouse in this city. T. R. Peters represents the company in Marysville.

CORCORAN, Kings Co., Cal.—Messrs. Nash and Mack of Lindsay, conferring with Chamber of Commerce regarding the establishment of an ice plant in this city. Committee appointed to investigate.

SAN FRANCISCO.—Bids were rec. on May 25 as follows by the Board of State Harbor Commissioners for the furnishing of materials and construction of a section of bulkhead wharf in front of Pier No. 34, and for furnishing materials and constructing a timber depressed track along the south side of Pier No. 34, and making certain repairs on the existing Pier No. 34. The contract was awarded to Hannah Bros., 142 Sansome St.
Hannah Bros. $29,200
Clinton Constr. Co..... 29,920
Duncan-Harrelson Co..... 31,445
A. W. Kitchen Co..... 33,470
Healy-Tibbitts Constr. Co..... 33,600
Tibbitts-Pacific Co. 39,950
Gustaf De Bretteville 84,323

STOCKTON, San Joaquin Co., Cal.—Willard Hardware Co., Stockton, at $4804 awarded contract by Supervisors to const. wire fences at County Fair Grounds.

STOCKTON, San Joaquin Co., Cal.—The following bids were received on May 23rd by Eugene D. Graham, Clerk of San Joaquin County, for the construction of stock barns, poultry building, addition to the grandstand, and a fence at Agricultural Park in accordance with plans and specifications prepared by Architects Wright & Satterlee, Bank of Italy Bldg., Stockton.
The contract was awarded to Ubel & Van Til of Ripon.
Ubel & Van Til, Ripon, Prop (1) $77,550 (2) deduct $2650; (3) deduct $2525, (4) deduct $10,500; (5) $5200; (6) $9000.
Frank Tucker, Stockton (1) $90,095; (2) $4050; (3) $3880; (4) $11,400; (5) $4556; (6) $13,100.
Shepherd & Riley, Stockton, (1) $91,640; (2) $3820; (3) $3626; (4) $10,720, (5) $4576; (6) $11,420.
Powell & Medbury, Stockton, (1) $91,900; (2) $4000; (3) $3825; (4) $11,300; (5) $4580; (6) $13,000.
Davison & Nicolsen, Stockton, $94,800; (2) $3800; (3) $3500; (4) $10,600; (5) $4000; (6) $10,750.

FIREHOUSES AND JAILS

LIVERMORE, Alameda Co., Cal.—Town Engineer L. E. Wright is preparing specifications to construct a 4-cell concrete jail building, 26x16 ft. to be erected in the rear of town hall.

FLATS

Contract Awarded.
FLATS Cost, $16,933
SAN FRANCISCO. W 14th Ave 226 S Balboa.
Two-story frame and plaster flats, (2 7-room flats).
Owner—Mrs. L. B. McPike.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—Nels P. Johnson, 1934 Folsom St., San Francisco.

Plans Being Figured.
FLAT Cost, $10,000
SAN FRANCISCO. N Pacific Ave 41 W Larkin.
Two-story and basement frame and plaster residential flat building (2 5-room flats with basement garage for 8 cars.
Owner—Mr. and Mrs. J. Barbe.
Architect—Wm. F. Gunnison, 1666 Golden Gate Ave., San Francisco.
Figures are being taken for a general contract.

Contract Awarded.
FLATS Cost, $11,000
SAN FRANCISCO. W Van Ness Ave. 112:6 S Bay St.
Two-story and basement frame (2) flats.
Owner—Mrs. Minnie Kroll, 1026 Greenwich St., San Francisco.
Architect—Milton W. Morrison, 716 41st Ave., San Francisco.
Contractor—Henry Grieb, 1020 Greenwich St., San Francisco.

Contract Awarded.
FLATS Cost, $12,800
OAKLAND, Cal. W Warfield Ave 250 N Wickson.
Two-story 14-room frame flats.
Owner—Mrs. C. C. Picardo, Tyler Ave., Alameda.
Contractor—Axel Sommarstrom, 109 Sunnyside Ave., Alameda.

Contract Awarded.
FLATS Cost, $10,000
SAN FRANCISCO. E 22nd Ave 100 S Lake.
Two-story and basement frame and plaster (2) flats.
Owner—Julia M. Cohen.
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.
Contractor—M. C. Ingraham, 165 Fell St., San Francisco.

Contract Awarded.
FLATS. Cost, $11,500
BERKELEY, Alameda Co., Cal. No. 2211-13-15-17 Woolsey St.
Two-story 16-room flats.
Owner—Chas. Dull, Woolsey and Shattuck Ave., Berkeley.
Architect—None.
Contractor—John E. Bigelow, 2234 Atherton St., Berkeley.

Contract Awarded.
FLATS, ETC. Cost, $14,000
SACRAMENTO, Cal. No. 3931 J St.
Two-story frame (4) flats and garage.
Owner—F. M. Siefer, Farmers & Merchants Bank Bldg., Sacramento.
Architect—None.
Contractor—W. R. Saunders, 2616 I St., Sacramento.

Contract Awarded.
FLATS Cost, $12,000
SAN FRANCISCO. SW Anza and 5th Ave.
Two-story and basement frame (4) flats.
Owner—Chas. J. U. Koenig, 520 Church St., San Francisco.
Architect—Wm. Koenig, 520 Church St., San Francisco.

Contract Awarded.
2 FLATS Cost, $15,000 each
OAKLAND, Cal. SW 52nd and Grove Sts., and W Grove 43 S 52nd St.
Two 2-story 12-room frame flat buildings.
Owner—Dr. J. I. Vickerson, 1551 8th St., Oakland.
Architect—None.
Contractor—A. J. Yerrick, 5255 College Ave., Oakland.

Sub-Figures Being Taken—Contracts Awarded.
FLATS Cost, $11,000
SAN FRANCISCO. W. Arguello Blvd. and S. Hugo.
Two-story and basement frame and plaster flat building (2 5-room and sleeping porch flats).
Owner—R. Schulken.
Architect— Mel. I. Schwartz, Nevada Bank Bldg., San Francisco.
Concrete Work awarded to A. Vannucci, 16th and Church Sts.
Carpenter Work to L. J. Deibel, 2453 Buchanan St., $5525.
Figures are now being taken for the balance of the work.

Contract Awarded.
FLATS Cost, $10,000
SAN FRANCISCO. S 15th St 150 E Castro.
Two-story and basement frame (2) flats.
Owner—A. L. and J. G Hoffman, 2245 15th St., San Francisco.
Architect—None.
Contractor—Wm. Harper, 271 7th Ave., San Francisco.

GARAGES

Contract Awarded.
GARAGE Cost, $11,000
GILROY, Santa Clara Co., Cal.
One-story reinforced concrete garage.
Owner—J. Lacaze, Gilroy, Cal.
Architect—None.
Contractor—Wm. Radtke, Gilroy, Cal.

GOVERNMENT WORK AND SUPPLIES

Plans Being Figured. Bids Close May 31, 1922, 2:30 p.m.
MESS KITCHENS, Etc. Cost, $——
MONTEREY CO., Cal. Del Monte Camp.
39 mess kitchens, 44 bathrooms, 44 latrines and an incinerator.
Owner—United States Government (Capt. L. I. Cook in charge).
Architect—None.
The water and sewer systems will bt insalled by the Del Monte Hotel people. Plans may be seen at the office of the Quartermaster at the Monterey Presidio, or at Fort Mason, San Francisco.

WASHINGTON, D. C.—Plans and specifications for seven new dwellings to be erected at the Mare Island Navy Yard have been approved by the Navy Department and have been forwarded to Mare Island. The work on the buildings will be started at once.

SAN FRANCISCO.—Until June 1, 10 a.m., bids will be rec. by Quartermaster Supply Officer, Fort Mason, under Circular 22-76, for fur. and del. 6 automatic self-feed post drills; 88 bridge reamers; 16 finishing reamers; 60 adjustable reamers; 54 chucking reamers; 87 straight reamers; 13 half-round reamers; 17 set screw plates; 40 boilermakers' rivet (snaps) sets; 24 clinch tongs; 20 measuring tapes (50-ft.); 7 circ. saw swages; 75 gals. ready mixed white paint; 200 gals. varnish remover; 100 gals. spar varnish; 7200 ft. B. M. O. P. lumber, No. 1 Common, 1x12-in. 16-ft. rough; 200 ft. ⅜-in. guy strand; 1000 lbs. flax wrapping twine.

WASHINGTON, D. C.—Bids will be rec. until June 15, 1922, at 1 p.m., by the Supervising Architect's Office, Washington for electric light, power and telephone systems at the U. S. Veterans' Hospital at Whipple Barracks, Prescott, Arizona. **See call for bids under official proposals.**

WASHINGTON, D. C.—Bids will be received until June 7, 1922, by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for the construction of several frame buildings, 29x41 feet, to be erected at Mare Island under Specification No. 4632. **See call for bids under Officials Proposals.**

WASHINGTON, D. C.—Bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., until June 14, 1922, at 11 A. M., for the construction of two steel radio towers, with concrete foundations to be erected at Mare Island under Specification No. 4637. **See call for bids under Official Proposals.**

MARE ISLAND, Solano Co., Cal.—Until May 31, 11 a.m., under Spec. 4653, bids will be rec by Public Works Officer, Mare Island Navy Yard, for fur. and depositing approx. 18,000 tons of riprap along the outboard face of Dyke No. 12. **See call for bids under official proposal section this issue.**

WASHINGTON, D. C.—Bids are being rec. by Bureau of Supplies and Accounts, Navy Department, for fur. and del. materials under following schedules, date for opening bids as noted at end of each paragraph:
Schedule 9661. Eastern and western yards, 16 boiler feed pumps, June 13.
Sched. 9665. Eastern and western yards, 9 fuel oil service pumps, June 13
Sched. 9667. Eastern and western yards, 20 centrifugal separators, June 13.
Sched. 9670. Eastern and western yards, miscellaneous various kinds of packings, June 20.

SAN FRANCISCO.—Until June 2, 10 a.m., bids will be rec. by Quartermaster Supply Officer, Fort Mason, under Circular 22-69, for fur and del nails, twist drills, pipe dies, plane irons, soldering paste, machinists' hand taps, grindstone frames, steel lock washers, pipe nipples, steel wire brads, machine screw nuts, upholsterers brass head nails, 350 gals. black acid proof paint.

WASHINGTON, D. C.—Federal Power Commission issues power permits as follows:
M. C. McDonald, Williams, Cal., a two-year permit for power development on Convict Creek, a tributary of Owens River, Los Angeles' source of water supply, embracing the building of a reservoir having storage of approximately 6000 acre feet, for mining operations.
Northwestern Electric Company, Portland, Ore., one-year permit for power development on Lewis River, Washington, 36 miles from Portland, to create a storage capacity of 200,000 acre feet of water, with power house of 60,000 horsepower capacity; for public utility purposes for Portland, Vancouver and other communities in Washington.

SAN FRANCISCO—Until June 2, 10 a. m., under Circular No. 22-69, bids will be received by Quartermaster Supply Officer, Fort Mason, for furnishing and delivering Warehouse, Motor Division, San Francisco Presidio: 10,700 ft. B. M. O. P. lumber, No. 2 common, SIS viz.: 5,000-ft. 1x6-in. and 5000-ft. 1x12-in. random lengths and 700-ft. 2x4-in. 14-ft. long.

WASHINGTON, D. C.—Re-examination and report by Army Engineers on the Petaluma Creek project has been ordered by the House Rivers and Harbors Committee, Representative Lea having advised the committee that there is approx. 800 ft. along the waterfront which the city desires to have included in the project.

HALLS AND SOCIETY BUILDINGS

Contract Awarded.
CLUB BLDG. Cost, $15,624
OAKLAND, Cal. E Montecito Ave 150 N Bay Place.
One-story frame and plaster club building.
Owner—Oakland Club.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—Alfred Olson, Everson Bldg., Oakland.

Contract Awarded on Percentage Basis.
PAVILION. Cost, $60,000
PACIFIC CITY, San Mateo Ca., Cal.
One-story frame and plaster dancing pavilion, 150x175, pile foundation, dance floor 90x125.
Owner—Chas. W. Iverson, Prop., Turpin Hotel, San Francisco.
Architect—Kuhn & Edwards, 833 Market St., San Francisco.
Contractor—Harry C. Warwick, 3191 Washington St., San Francisco.

Plans Being Figured
ARMY BLDG. Cost, $15,000
GRASS VALLEY, Nevada Co., Cal.
One-story frame Army building.
Owner—Salvation Army.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

Plans Complete
VAULT Cost, $20,000
OAKLAND, Cal Mountain View Cemetery.
One-story concrete receiving vault
Owner—Mountin View Cemetery Association.
Architect—Walter J. Mathews 927 Broadway, Oakland

Plans Being Prepared
TEMPLE Cost, $60,000
ALAMEDA, Alameda Co., Cal. Alameda and Park Sts.
Two-story reinforced concrete Temple Building (auditorium 100x88 to seat 1000 people on 1st floor).
Owner—Masonic Hall Association.
Architect — Carl Werner, Humboldt Bank Bldg., San Francisco.

BAKERSFIELD, Kern Co., Cal.—Until June 1, 10 a.m., bids will be rec. by Arthur S. Crites, secty. Security Trust Co., to grade Masonic Temple site. **See calls for bids under official proposal section in this issue.**

HOSPITALS

Plans to Be Prepared.
HOSPITAL Cost,$——
SPRINGVILLE, Tulare Co., Cal.
Children's ward addition to tubercular hospital.
Owner—Tulare and Kings Counties.
Architect—Not given.

HOTELS

Completing Plans—Figures to Be Taken Shortly.
HOTEL Cost, $150,000
SAN LUIS OBISPO, Cal. Montgomery and Morro Sts.
Five-story and basement reinforced concrete store and hotel building (90 rooms and baths).
Owner—J. L. Anderson.
Architect—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.

Plans Being Prepared.
COTTAGES Cost, $——
MILL VALLEY, Marin Co., Cal. 200 acres.
100 1-story rustic 4-room cottages and hotel.
Owner—Harvey Toy, Manx Hotel, San Francisco.
Architect—Not given.
Mr. John Trewavas of Mill Valley has charge of the improvement and is having plans prepared for the buildings and will purchase all materials.

Plans Being Prepared.
HOTEL Cost, $200,000
SAN BERNARDINO, Cal. E St. S of Third St.
Five-story fireproof hotel 114x150 (Caen stone facing).
Owner—C. B. Phillips.
Architect—Howard E. Jones, 404 Katz Bldg., San Bernardino.

Work to be Started Shortly.
HOTEL, ETC. Cost, $——
RENO, Nevada. On Site of old Russ House.
Eight-story steel and concrete hotel and stores (100 rooms with private baths).
Owner — George Wingfield, (Hotel Golden), Reno, Nevada.
Architect—F. J. De Longchamps, Gazette Bldg., Reno, Nevada.
Steel for the structure has been ordered.

POWER PLANTS

SACRAMENTO, Cal.—Final preparations to send surveying parties into the field on the Silver Creek project, to determine its feasibility as a basis for a municipal hydro-electric system, are being completed by City Eng. Albert Givan. Surveys will be completed this summer in order that action can be taken by the city earnly next year.

PLACER COUNTY, Cal.—Arrangements have been completed by the directors of the American River Water and Power Company to const. $18,000,000 hydro-electric plant with a capacity of 200,000 hp., to irrigate 200,000 acres of land in Sacramento and Placer Counties. Project will include construction of huge dam. Lumber in the project will amount to some 3,000,000 ft. Water rights were obtained through Fred P. Tuttle Jr. of Auburn; Jerome Barieau, Placer County surveyor; N. H. Ellery, former State Engineer, and J. E. Walsh. Directors of the company are: J. E. Walsh, Fred P. Tuttle Jr., Jerome Barieau, J. F. Dudley and

W. S. Graham. Ellery Frost & Patten, Merchants' Natl. Bank Bldg., San Francisco, are construction engineers for the project.

PUBLIC BUILDINGS

BAKERSFIELD, Kern Co., Cal.—Geo. Isaacs & Sons, Shafter, at $9150 awarded contract by Supervisors to const. branch library at Maricopa. Other bids: Vitello & Vitelle, Taft, $9524; Currie & Dulgar, Bakersfield, $11,000; Wm. Eissler, Bakersfield, $11,250.

SAN FRANCISCO.—Until June 7, 3 p.m., bids will be rec. by Board of Pub. Wks. to convert 2 existing rooms in Polk Hall, Exposition Auditorium, into 2 toilets and for furnishing and installing fixtures therein. Est. cost, $2500. Plans may be had from Bureau of Architecture, 2nd floor, City Hall. John Reid Jr., city architect.

PALO ALTO, Santa Clara Co., Cal.—F. W. Wentworth Co., 593 Market St., San Francisco, at $2213 has been awarded a contract to furnish and install steel book stacks in the public library.

HOLLISTER, San Benito Co., Cal.—City Trustees purchase one-half block in San Benito St. as site for proposed war memorial building.

RESIDENCES

Contract Awarded.
RESIDENCE Cost, $10,073
OAKLAND. Lakeshore Highlands.
Two-story frame and plaster residence and separate garage (all work except roofing and heating).
Owner—A. N. Ball, 597 23rd St., Oakland.
Architect—Miller & Warnecke, Perry Bldg., Oakland.
Contractor—Chester Gossett, 327 Davis Court, San Leandro, Cal.

Contract Awarded.
RESIDENCE Cost, $10,000
SAN FRANCISCO. W 18th Ave 100 N Lake.
Two-story and basement frame residence.
Owner—J. J. Colins, 453 28th Ave., San Francisco.
Architect and Contractor—A. J. Falvey, 2099 Lake St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $6500
OAKLAND, Alameda Co., Cal.
One-story 5-room frame residence.
Owner—McClenahan Products Co., 112 Kearny St., San Francisco.
Architect — Miller & Warnecke, Perry Bldg., Oakland.

Plans Being Figured.
RESIDENCE Cost, $20,000
SAN FRANCISCO. Thirty-eighth Ave. and Ocean View Blvd.
Two-story eight-room frame residence and separate garage.
Owner—Edw. De Witt Taylor.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Figures are being taken for a general contract.

Plans Being Figured.
RESIDENCE Cost, $7000
SAN FRANCISCO. Francisco St. near Van Ness Avenue.
One-story and basement frame and plaster residence (6 rooms and garage). Cardova tile roof.
Owner—Withheld.
Architect — Wm. H. Armitage, Call Bldg., San Francisco.

Plans Being Figured.
RESIDENCE. Cost, $7000
SAN FRANCISCO. W 33rd Ave S Lincoln Way.
Two-story and basement frame and plaster residence (7 rooms, sun porch and garage.
Owner—Not given.
Architect—Wm. H. Armitage, Call Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, $8500
SAN FRANCISCO. Balboa Terrace.
One-story and basement frame residence.
Owner—Harriett Schulken.
Architect—Mel I. Schwartz, Nevada Bank Bldg., San Francisco.
Contractor—B. A. Trobock & Cress, 180 Jessie St., San Francisco.

Plans Complete.
RESIDENCE Cost, $10,000
SAN FRANCISCO. Claremont Court.
Two-story and basement frame and plaster residence with tile roof (7 rooms and garage).
Owner—Mrs. Carrie Harris.
Architect—Mel I. Schwartz, Nevada Bank Bldg., San Francisco.

Contracts Awarded.
RESIDENCE Cost, $10,950
SAN FRANCISCO. W Commonwealth Ave 405 S Euclid Ave.
Two-story and basement frame residence (except painting, tinting, papering and plumbing).
Owner—Mrs. Daisy Hamburger, wife of Henry.
Architect—T. Patterson Ross, 310 California St., San Francisco.
Contractor—Ira W. Coburn, Hearst Bldg., San Francisco.
Painting, tinting and papering awarded to J. P. Fraser-Thompson & Co., 902 O'Farrell St., $1000.
Gasfitting, plumbing and sewering to Frank J. Klimm, 221 Oak St., $1541.

SCHOOLS

SCHOOL Cost, $42,000
WATSONVILLE, Santa Cruz Co., Cal. Pajaro School District.
One-story reinforced concrete school building.
Owner—Pajaro School District, Thos. S. Hudson, Clerk, R. F. D. No. 2, Box 70, Watsonville.
Architect—Wyckoff & White, Growers Bank Bldg., San Jose.
Separate bids are wanted for heating system; plumbing work and electric work. Plans may be obtained from the Clerk.
All bids received on May 22nd by the Trustees have been rejected on account of being too high. The lowest bid was submitted by George Uren of Watsonville at approximately $31,000. On account of the plans being refigured, the list of bids received will not be published.

Plans Being Prepared.
COLLEGE Cost, $1,250,000
MOUNTAIN VIEW, Santa Clara Co., Cal. Between Mountain View and Los Gatos.
Four-story and basement Class B reinforced concrete college and dormitory building.
Owner—College of St. Joseph, of Cupertino.
Architect—Leo. J. Devlin, Pacific Bldg., San Francisco.
Figures to Be Taken Shortly.
SCHOOL. Cost, $20,000
KELSEYVILLE, Lake Co., Cal.
One-story reinforced concrete 4-room school.

A. E. Leitch Fred Clark
CLARK & LEITCH ROOFING CO.
Successors to E. S. Warner
Office and Warehouse:
1116 SECOND ST., SACRAMENTO
Phone Main 726

Owner—Kelseyville School District.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.
Bids will be opened about the 15th of June.

Plans Being Figured—Bids Close June 5, 1922, 5 p.m.
SCHOOL Cost, $40,000
SUSANVILLE, Lassen Co., Cal.
One-story reinforced concrete, 5-room school building.
Owner—Susanville Elementary School District.
Architect—Woollett & Lamb and Ralph D. Taylor associated, 211 Hagelstein Bldg., Sacramento and Susanville.

Contract Awarded.
SCHOOL Cost, $76,280
LODI, San Joaquin Co., Cal.
One-story hollow tile school.
Owner—Lodi Grammar School District.
Architect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento, Cal.
Masonry and Carpenter Work
Jos. Chirhart, 523 S. San Joaqin St., Stockton $53,295
Plastering
Thos. Scollan, 3919 T St., Sacramento 5,540
Roofing
Simpson-Gray Lumber Co., 124 W. Weber, Stockton 6,145
Complete Mechanical Equipment
Latourrette-Fical Co., 2761 Sacramento Blvd., Sacramento .. 9,740
Painting
D. E. Burgess, 601 S. California St., Stockton 1,660

Plans Being Figured—Bids Close June 12, 1922, 8 p.m.
SCHOOL Cost, $100,000
Two-story frame school (16 classrooms and an auditorium).
Owner — Los Gatos Grammar School District.
Architect—Wyckoff & White, Growers Bank Bldg., San Jose.
Bids will be taken for a general contract.

Plans Being Figured—Bids Close June 3, 1922, 8 p.m.
ADDITION Cost, $60,000
ORLAND, Glenn Co., Cal.
Two-story reinforced concrete addition to high school (domestic science building).
Owner—Orland High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Figures are being taken for a general contract and the heating.

Plans Being Prepared.
SCHOOL BLDGS. Cost, $110,000
VISALIA, Tulare Co., Cal.
Grammar school buildings.
Owner—Visalia Grammar School Dist.
Architect—Harry W. Michael, Harrel Bldg., Visalia.

Plans Being Figured—Bids Close June 10, 1922, 8 p.m.
SCHOOL Cost, $25,000
SANTA ROSA, Sonoma Co., Cal.
One-story frame and stucco school (4 classrooms and an assembly hall).
Owntr—Lewis School District.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.

Plans Being Refigured.
Bids Close May 31, 1922, 1 p.m.
SCHOOL Cost, $5000
SANTA ROSA, Sonoma Co., Cal.
One-story frame 2-room school.
Owner—Lewis School District.
Architect—Wm. Herbert, City Hall, Santa Rosa.

Contract Awarded.
AUDITORIUM Cost, $68,477
STOCKTON, San Joaquin Co., Cal. High School.
Brick and concrete auditorium.
Owner—City of Stockton.
Architect—Louis S. Stone, Belding Bldg., Stockton.
Supervising Architects — Davis-Heller-Pearce Co., Delta Bldg., Stockton.
Contractors—Shepherd & Riley, Yosemite Bldg., Stockton.
Exterior plastering awarded to Berry Bros. at $9900.

Plans Being Figured—Bids Close July 1, 1922, 12 noon.
SCHOOL Cost, $50,000
LAKEPORT, Lake Co., Cal.
One-story frame and plaster school.
Owner— Lakeport Grammar School District.
Architect—Morrow & Garren, Chronicle Bldg., San Francisco.
See call for bids under official proposals.

Plans Being Figured—Bids Close June 12, 1922, 8 p.m.
SCHOOL Cost, $10,000
Menlo Park San Mateo Co., Cal.
One-story frame school.
Owner—Menlo Park Grammar School District.
Architect— Norman R. Coulter, 46 Kearny St., San Francisco.
Figures are being taken for a general contract. Plans may be obtained from the architect on a deposit of $10.

Commissioned to Prepare Plans.
SCHOOLS Cost, $——
SANTA ROSA, Sonoma Co., Cal.
Two fireproof grammar schools and high school buildings.
Owner—Santa Rosa School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco. (A local architect will be selected as an associate).
Bonds to the amount of $260,000 have been voted for the grammar schools and $375,000 for the high school.

Figures to Be Taken in Two Weeks.
SCHOOL Cost, $40,000
One-story frame and plaster school (6 rooms and an auditorium).
Owner — Irvington Grammar School District.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

Plans Being Figured—Bids Close June 6, 1922, 4 p.m.
SCHOOL Cost, $63,000
BERKELEY, Alameda Co., Cal. Longfellow School Site.
Two-story brick school (17 rooms).
Owner—Berkeley Board of Education.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
See call for bids under official proposals.

Plans Being Figured—Bids Close June 6, 1922, 7:30 P. M.
SCHOOL Cost, $60,000
LEMOORE, Kings Co., Cal.
One-story brick school.
Owner—Lemoore School District.
Architect—Ernest J. Kump, Rowell Bldg., Fresno.
Figures are being taken for a general contract.

Low Bidder.
ADDITION Cost, $10,475
TRANQUILITY, Fresno Co., Cal.
Addition to high school.
Owner—Tranquility Union High School District.
Architect—Ernest J. Kump, Rowell Bldg., Fresno.
Contractor—Frank Schneider, San Joaquin, Cal.

Low Bidder.
SCHOOL Cost, $41,000
MONMOUTH, Fresno Co., Cal.
One-story frame and stucco school.
Owner—Monroe School District.
Architect—Ernest J. Kump, Rowell Bldg., Fresno.
Contractor—J. B. Hart, 945 San Pablo St., Fresno.

Contract Awarded
SCHOOL Cost, $103,841
PARLIER, Fresno Co., Cal.
Two-story brick school.
Owner—Parlier School District.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.
Contractor — Brown & Stafford, Madera, Calif.

Plans Being Figured—Bids Close June 12, 1922, 8 P. M.
SCHOOL Cost, $100,000
LOS GATOS, Santa Clara Co., Cal.
Two-story frame school (16 classrooms and an auditorium).
Owner — Los Gatos Grammar School District.
Architect—Wyckoff & White, Growers Bank Bldg., San Jose.
Bids will be taken for a general contract.
See Call for bids under Official Proposals.

Bonds Voted.
SCHOOL Cost, $75,000
VACAVILLE, Solano Co., Cal.
One-story hollow tile school.
Owner—Vacaville School District.
Architect—Geo. C. Selon & Co., Mitau Bldg., Sacramento, Cal.

To Prepare Sketches.
SCHOOL. Cost,$——
HOLLISTER, San Benito Co., Cal.
Parochial School.
Owner—Sacred Heart Parish.
Architect—Shea & Shea, Chronicle Bldg., San Francisco.

SAN FRANCISCO.—Gladding, McBean Co., Crocker Bldg., at $6135 awarded contract for roofing Mission High School buildings.

LONG BEACH, L. A. Co., Cal.—Contracts were awarded for Jefferson Junior High School as follows: M. H. Walter, concr., carp., excav. and iron work, $117,637; Henry Riemers, masonry and brick work, $65,400; Garden City Sheet Metal Works, sheet metal, $1065; C. L. Passmore, tile rf., $5400; Geo. Claver, plastering, $14,175; Rucker-Fuller Co., blackbrds., $2191.70; Alhambra Wall Paper & Paint Co., painting, $6900; American Ave. Hdw. Co., hardware, $6400; Arthur Hess, plumbing, $16,348; Home Elec. Shop (O. W. Newcomb), wiring, $7955; E. H. Abbott (Stand. Elec. Time Co.), clocks, $1963, and F. J. Donnelly, heating and ventilating, $13,100; comp. rf. not awarded. Allison & Allison, Hibernian Bldg., L. A., and H. Alfred Anderson, Palace Theater Bldg., Long Beach, are associated architects.

BERKELEY, Alameda Co., Cal.—Until May 31, 4:15 p.m., bids will be rec. by Clyde Blanchard, acting secty. Board of Education, 2133 Allston Way, to erect fence at McKinley School in Dwight Way near Telegraph Ave. Spec. may be had from secty.

BERKELEY, Alameda Co., Cal.—Until May 31, 4 p.m., bids will be rec. by Clyde Blanchard, acting secty. Board of Educaation, 2133 Allston Way, for fur. and del. for school year ending June 30, 1923: Coal, fuel oil, lumber, paint, science supplies and equipment. Spec. may be had from secty.

WHITTIER, Los Angeles Co., Cal.—Architect Myron Hunt, 1107 Hibernian Bldg., is preparing plans for new buildings to be erected at Whittier high school under the recent bond issue of $500,000. Plans will be completed as soon as possible for new shop building, girls' gymnasium and alterations to present buildings. Brick and concrete construction, plaster exterior, composition roofing, cement and maple floors; $150,000. These buildings are to be completed for next fall. Plans will be completed later for a new class room building and community auditorium to cost $375,000.

SAN FRANCISCO.Until June 7, 3 p. m., bids will be rec. by Board of Pub. Works for alteration and annex addition to Yerba Buena School in north side of Greenwich st. bet. Webster and Fillmore. Bids wanted for general construction, est. cost $76,000; plumbing, $7000; heating and ventilating, $3600; electric work, $3600. Plans may be had from Bureau of Architecture, 2nd floor City Hall. John Reid Jr., city architect.

SACRAMENTO, Cal.—Until June 5, 5 P. M., bids will be received by Chas. C. Hughes, Secretary of the Board of Education, to furnish and deliver 500 movable school chair desks and alternate bids for from 500 to 1000 movable school chair desks. Separate bids will be received for 800 or more folding auditorium chairs joined in sets of two. Samples to be furnished with bids. Specifications may be had from Secretary at School Store Room, I St. bet. 10th and 11th Sts.

SEATTLE, Wash.—King Plumbing & Heating Co., Seattle, at $102,021 submits low bid to School District No. 1 for heating Garfield high school; Wenzler & Ward, $39,205 for plumbing and NePage-McKenny Co., $21,000 for electric work.

RIO LINDA, Sacramento Co., Cal.—Until June 7, 5 P. M., bids will be received by Ethel B. Smith, Clerk, Rio Linda Union School District, to erect school building. Geo. C. Sellon & Co., Mitau Bldg., Sacramento, architects. **See call for bids under official proposal section in this issue.**

RICHMOND, Contra Costa Co., Cal.—Civic organizations recommend to City Council an expenditure of $20,534 at present and a future improvement cost of $21,205 for equipment and playgrounds for city schools.

OAKLAND, Cal.—Until June 1, 3 p. m., bids will be rec. by John Edgemond, secty. Board of Education, for fur. lumber, athletic supplies, etc., for school year ending June 30, 1923. Spec. may be had from secty., Room 211, City Hall.

SACRAMENTO, Cal.—Time for opening bids to construct Rio Linda School building from plans of Architects Geo. C. Sellon & Co., Mitau Bldg., has been changed from June 8 to June 3.

SAN FRANCISCO.—Until June 7, 3 p.m., bids will be rec. by Board of Pub. Wks. to improve James Lick School playgrounds at Clipper and Noe Sts. Est. cost, $5500. Spec. may be had from Bureau of Architecture, 2nd floor, City Hall. John Reid, Jr., city aroht.

OAKLAND, Cal.—The following bids were received on May 22 by the secretary of the Oakland School District for furnishing certain school steel lockers according to specifications. Bids were taken under advisement:
Rucker-Fuller Desk Co., S. F..$3656.24
Berger Mfg. Co., S. F..... 3912.36
General Fireproofing Co., S. F.. 4430.70
Wooley's 4512.69

MADERA, Madera Co., Cal.—Until June 9, 7:30 p.m., bids will be rec. by G. M. Shedd, secty. Madera Union High School District, for additions and alterations to high school shop building. Swartz & Ryland, Rowell Bldg., Fresno, architects. **See call for bids under official proposal section in this issue.**

OAKLAND, Cal.—Until June 19, 4:30 P. M., bids will be received by John W. Edgemond, Secretary of the Board of Education, for equipment work for the Alexander Hamilton Junion High School. **See call for bids under official proposal section in this issue.**

STOCKTON, San Joaquin Co., Cal.—The Board of Education of the City of Stockton received the following bids on May 24 for the construction of a brick and concrete eight-room annex to the Jefferson School building, from plans prepared by Architect Peter Sala, 203 Wilholt Building, Stockton. Davis-Heller-Pearce Co., Delta Building, Stockton, are the supervising architects Bids were taken under advisement:

General Contract

Chutes & Zinck, Stockton.....$63,135
R. W Moller, San Francisco.. 63,189
Shepherd & Itiley, Stockton.... 63,375
Davison & Nicolsen, San Francisco and Stockton..... 63,400

Heating System

E. L. Gnekow, 647 E Main St., Stockton $10,278
Miller-Hays Co., Stockton..... 10,418
Lalourrette-Fical Co., Sacramento 10,990
Stockton Plumbing Supply Co., Stockton 11,110
Luppen-Hawley & Thing 11,997
F. P. Sexton & Co., Stockton.... 12,227

DINUBA, Tulare Co., Cal.—Until June 8 ,7:30 p.m., bids will be rec. by J. Rene Clotfelter, clerk Dinuba Union High School District, to erect science hall and addition to high school. Ernest J. Kump Co., 207 Rowell Bldg., Fresno, architects. **See call for bids under official proposal section in this issue.**

OAKLAND, Cal.—Until June 12, 4:30 P. M., bids will be received by John W. Edgemond, Secretary of the Board of Education, for altering two-story flat building for Cole School. **See call for bids under official proposal section in this issue.**

RIO DELL, Humboldt Co., Cal.—N. E. Baldry, Fortuna, at $7400 awarded contract to alter and const. 2-room addition to Rio Dell school. F. T. Georgeson, Eureka, architect.

SANTA ROSA, Sonoma Co., Cal.—Until June 10, 8 p.m., bids will be rec. by Archie Lockhart, clerk, Lewis School District, to erect elementary school. Norman R. Coulter, 46 Kearny street, San Francisco, architect. **See call for bids under official proposal section in this issue.**
(41533) 1st report Feb. 28; 3rd May

STORES AND OFFICES

Contract Awarded.
BLDG. Cost, $11,894
FRESNO, Fresno Co., Cal. Belmont Addition, Lots 1, 2, Block 25.
One-story and basement brick and frame building.
Owner—Bravos Bros.
Architect—Coates and Traver, Rowell Bldg., Fresno.
Contractor—Valley Const. Co., Mattei Bldg., Fresno.

Contract Awarded.
BUILDING Cost, $19,355
SAN FRANCISCO. NW Pacific Ave and Steiner St.
Two-story and basement frame building.
Owner—St. John E. and J. C. McCormick, 2031 Baker St., San Francisco
Architect—C. A. Tantau, 251 Kearny St., San Francisco.
Contractor—Chas. Stockholm & Sons, 180 Jessie St., San Francisco.

Plans to be Prepared.
CONCRETE BLDG. Cost, $——
SAN FRANCISCO. W Mason St. 82-6 S Ellis St.
Two or four-story brick or concrete building.
Owner—Wm. H. Woodfield Jr., Alexander Bldg., San Francisco.
Architect—Not Selected.

Contract Awarded.
STORE BLDG. Cost, $50,000
FRESNO, Fresno Co., Cal. Broadway near Mariposa.
One-story steel concrete and brick store building (5 stores).
Owner—Kutner-Goldstein Co.
Architect—Glass & Butner, Cory Bldg., Fresno.
Contractor—Emmet Riggins, 1525 O St., Fresno.

Contract Awarded.
ALTERATIONS Cost, $10,000
SAN FRANCISCO. 1746 Fillmore St.
Alteratains to building, show windows and store fixtures.
Owner—E. Walley, 1746 Fillmore St., San Francisco.
Architect—V. Houghton.
Contractor—Fink & Schindler Co., 226 13th St., San Francisco.

Plans Being Figured.
STORES. Cost, $30,000
SAN FRANCISCO. SE Ellis and Leavenworth Sts.
One-story reinforced concrete stores.
Owner—Pacific Embroidery Co.
Architect—Albert W. Burgren, 110 Sutter St., San Francisco.

Contract Awarded.
STORE FIXTURES. Cost, $3500
PALO ALTO, Santa Clara Co., Cal.
Store fixtures.
Owner—Kenyon & Crow, Palo Alto.
Architect—None.
Contractor—The Fink & Schindler Co., 226 13th St., San Francisco.

Bids Wanted for Brick Work and Plumbing.
MARKET BLDG. Cost, $17,000
SAN FRANCISCO. S. McAllister 78 E Webster St.
One-story and basement brick market with concrete basement.
Owner—A. G. and J. Sosnick.
Architect—Mel I. Schwartz, 1202 Nevada Bank Bldg., San Francisco.
Steel awarded to Pacific Structural Iron Works, 370 10th St.
Concrete Work to John Spargo, 240 Montgomery St., $3760.

Contracts Awarded.
STORE Cost, $20,000
SAN FRANCISCO. S Mission E 2nd.
Two-story and basement reinforced concrete store and loft bldg.
Owner—A. Aronson.
Architect—Mel I. Schwartz, Nevada Bank Bldg., San Francisco.
General Contract awarded to Robinson & Gillespie, 180 Jessie St.
Elevator to Otis Elevator Co., Beach and Stockton Sts.
Electrical Work to Butte Electric Eq. Co., 536 Folsom St.
Plumbing to C. Peterson Co., 390 6th St.

Sketches Being Prepared.
OFFICE BLDG. Cost, $——
OAKLAND, Cal. 13th and Franklin Sts.
Class A office and newspaper publishing building (height not decided, may be 15 stories).
Owner—Tribune Publishing Co.
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.

Bids Opened.
RESTAURANT BLDG. Cost, $——
SANTA ROSA, Sonoma Co., Cal. Exchange Avenue.
Two-story concrete restaurant (designed for five stories).
Owner—O. F. Leppo and J. W. Churchman.
Lessee—Geo. Edwards.
Architect—Reese & Kuykendall, 1438 McDonald St., Santa Rosa.
Mr. Edwards will spend about $12,000 on the interior fittings and decorations of the restaurant.
A. H. Vogt, 185 Stevenson St., San Francisco $36,813
Lynch & Bryant, S. F..... 38,323
Bert Hildebrand, Santa Roza.... 41,000
George Norris, Santa Rosa..... 48,344
Walter Proctor, Santa Rosa.... 48,860

Concrete Work Contract Awarded.
STORE Cost, $15,000
SAN FRANCISCO. S Minna bet. 3rd and 4th Sts.
Two-story and basement Class C brick and concrete store and loft building.
Owner—D. J. O'Neil.
Architect—J. E. Kraft & Son, Phelan Bldg., San Francisco.
The concrete work was awarded to Chas. Nilson, 180 Jessie St. The brick work will be awarded next week.

Contract Awarded.
STORES $10,000
BERKELEY, Alameda Co., Cal. 2330 Telegraph Ave.
Owner—F. E. Romie, 418 Newton Ave., Oakland.
Architect—Hutchinson & Mills, Albany Bldg., Oakland.
Contractor—Leslie R. Wilson, 2216 Blake St., Berkeley.

Plans Being Figured. Bids Close June 1, 1922.
STORE Cost, $12,000
SAN FRANCISCO. E Cole St. 36 N Parnassus.
One-story frame brick and veneer store building (4 stores with 2-room apartmens).
Owner—A. B. Harrison.
Architect — O. R Thayer, 110 Sutter St., San Francisco.

RICHMOND, Contra Costa Co., Cal.—Carl Overaa, Richmond, at $3430 has been awarded a contract by the Council to construct office for harbor master on new wharf shed. Other bids: P. M. Sanford, $3520 and C. Pederson, $3490.

SUBSCRIPTION BLANK

Cut Out and Mail Today

.....192.....

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Official Proposals

BIDS WANTED FOR SUSANVILLE SCHOOL

(One-story Reinforced Concrete Structure. Estimated Cost, $40,000)

The Board of Trustees of the Susanville Elementary School District will receive sealed proposals **at or before 5 p.m., Monday, June 5th, 1922,** at the office of the County Superintendent of Schools, Susanville, California, at which time and place bids will be opened and read in public for furnishing the labor and material for erecting and completing a proposed primary school building at Susanville, California, in accordance with plans and specifications prepared by Woollett & Lamb, architects, and Ralph D. Taylor, associate, 211 Hagelstein Building, Sacramento, California. Bids will be received separately for the following classes of work:

1. General Contract for Building.
2. Electrical Wiring.
3. Plumbing.
4. Heating and Ventilating.

All bids must be accompanied by a certified check for 10% or more of the amount of the proposal. In case this proposal is accepted, in whole or in part, and the bidder fails to execute a contract for the performance of said work, and a bond of sufficient sureties in the sum of 50% of the amount of the contract to secure the faithful performance thereof, within fifteen days after such acceptance, then this certified check shall be retained by the Board of Trustees of Susanville Elementary School District as liquidated damages for the failure to carry out this proposal. Such contract and bond shall be in such form and of such contents as shall be satisfactory to the Board of Trustees of said Susanville Elementary School District.

All bids to be made out on forms furnished by the Architects.

Plans and Specifications may be obtained from Woollett and Lamb, Architects, 211 Hagelstein Building, Sacramento, California, or Ralph D. Taylor, Associate, at residence, corner of Gay and Court Streets, Susanville, California.

A deposit of Fifteen Dollars will be required from all contractors receiving plans—said deposit to be refunded when plans and specifications are returned in good condition.

The Board of Trustees reserve the right to reject any or all bids and to waive any informality in any bid received.

By order of the Board of Trustees of the Susanville Elementary School District, Susanville, California.

By HARRIET P. BANGHAM,
Clerk.

Dated May 17, 1922.

BIDS WANTED FOR RIPRAP

NOTICE TO CONTRACTORS

SEALED PROPOSALS, indorsed "Proposals for Furnishing and Depositing Riprap at Dyke 12, Mare Island, California, Specification No. 4653," will be received at the office of the Public Works Officer, Mare Island, California, until 11 o'clock A. M., May 31, 1922, and then and there publicly opened for furnishing and depositing approximately 18,000 tons of riprap along the outboard face of Dyke 12. Drawings and Specification No. 4653 may be obtained on application to the Commandant, Navy Yard, Mare Island, California. Deposit of a check or postal money order for $10.00 payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification. L. E. GREGORY, Chief of Bureau. May 19, 1922.

A call for bids published in this section indicates that bids are desired from other than local bidders. Maximum competition is desired, and this is assured through BUILDING AND ENGINEERING NEWS which reaches every worth-while contractor and materialman in Central and Northern California who bids on public work.

Rate: 10 cents per line, per insertion.

All official calls for bids of the California State Highway Commission and Nevada State Highway Commission are published in this section.

NOTICE TO CONTRACTORS

(Rio Linda School. One-story Hollow Tile, Three-room and Auditorium Structure. Estimated Cost, $40,000)

Notice is hereby given that sealed bids will be received by the Board of Trustees of the Rio Linda Union School District, Sacramento County, California, at the office of the Architects, 203 Mitau Building, Sacramento, California **until 5 o'clock P. M., Saturday, June 3, 1922,** and opened and read at the school at Rio Linda at 8 o'clock P. M., for the erection of a school building to be built in Rio Linda, California, according to plans and specifications prepared for the same by George C. Sellon & Company, the authorized architects.

Bids will be received for the various branches of the work as follows: For the mason work and carpenter work combined, for the mason work; for the carpenter work; for the plastering; for the painting; for the roofink; for the sheet metal work; for the plumbing; for the heating, and for the electrical work.

Bids will also be received for the mechanical construction (including sheet metal work, plumbing, heating, and electrical work).

Plans and specifications can be seen during office hours at the office of the architects, or may be obtained from the office of the architects. A cash deposit of $25.00 will be required from all prospective bidders on all copies of plans and specifications loaned out, as a guarantee of the return of the same.

All bids shall be presented on blank forms which may be procured at the office of the architects.

Each bid must be accompanied by a certified check on some responsible California bank for a sum not less than ten per centum (10%) of the amount of the bid made payable to Mrs. Ethel B. Smith, Clerk of the Board of Trustees, as a guarantee of good faith, that the party to whom the contract may be awarded will, within ten days after the award is made, enter into the necessary agreement and furnish the necessary bonds for the faithful performance of said work, and in case the bidder to whom the contract is awarded fails, or refuses to enter into said agreement, or to furnish said bonds, said check will be forfeited to the said school district in the manner provided by law.

Each bid must be enclosed in a sealed envelope and addressed to Ethel B. Smith, Clerk of the Board of Trustees, Rio Linda, California, and endorsed "Proposal for building school."

The Board of Trustees expressly reserve the right to reject any or all bids.

By order of the Board of Trustees of the Rio Linda Union School District, California.

(Signed) ETHEL B. SMITH, Clerk

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on June 19, 1922, at** which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Siskiyou County, between Upton and Shasta River (II-Sis-3-A and B), about ten and seven-tenths (10.7) miles in length, to be graded and paved with Portland cement concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated May 22, 1922.

NOTICE TO CONTRACTORS

(Dinuba High School Additions)

Notice is hereby given that the Board of Trustees of the Dinuba Union High School District, Dinuba, Tulare County, California, will receive sealed bids for all labor and materials necessary in the erection and completion of a Science Hall Building additions and alterations to present high school auditorium and buildings—including works—in accordance with plans and specifications, and segregated bids asked for prepared by Ernest J. Kump Company, architects, of the City of Fresno, and in strict accordance with segregated bids as segregated and alternate bids asked for in specifications.

Said sealed bids will be received up to and including **7:30 p. m. of the 8th day of June, 1922,** by the undersigned Clerk of the Board, at Dinuba, Tulare County, California.

Said sealed bids must be accompanied by a certified check, cashier's check or bidder's bond in a sum equal at least to 10 per cent of the amount of bid to do the work mentioned, and made payable to the undersigned Clerk of the Board as a guarantee that the bidder will execute the proper contracts and bonds in case the contract is awarded to him or them by reason of his or their bid.

Plans and specifications are on file at the offices of the undersigned Clerk of the Board, and additional copies may be secured at the offices of the

District's architect, the Ernest J. Kump Co., 207-8 Rowell Bldg., Fresno, California.

All bids to be made out on blank forms furnished by the architects.

The successful bidder will have to give a satisfactory bond in the sum of 50 per cent, covering labor and materials, and an additional 10 per cent for faithful performance, as fully set forth in specifications.

The Board of Trustees of the Dinuba Union High School District, as owners, reserve the right to award any branch of the work, either as a whole, or part, or both, as segregated in the specifications, and reserve the right to reject any and all bids, proposals or alternate bids or any part or parts of any bids, proposals and alternates, and reject the balance thereof; and to waive any informality in any bids, proposals or alternates received.

All bids to be addressed to: J. Rene Clotfelter,Clerk of the Board of Trustees of the Dinuba Union High School District., Dinuba, Tulare County California.

BY ORDER OF SAID BOARD OF TRUSTEES:
J. RENE CLOTFELTER,
Clerk of the Board.

BIDS WANTED FOR FRAME BUILDINGS

NOTICE TO CONTRACTORS

SEALED PROPOSALS endorsed "Proposals for Quarters, Mare Island, Calif., Specification No. 4632," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., **until 11 o'clock A. M., June 7, 1922,** and then and there publicly opened for one-story frame buildings, approximately 29 feet by 41 feet, by 9 foot story height, with concrete foundations, exterior walls and felt-asphalt and crushed brick roofs. Drawings and Specification No. 4632 may be obtained on application to the Bureau or to the Commandant, Navy Yard, Mare Island, Calif. Deposit of a check or postal money order for $10, payable to the Chief of Bureau of Yards and Docks is required as security for the safe return of the drawings and specifications. L. E. GREGORY, Chief of Bureau, May 2, 1922.

BIDS WANTED FOR ELECTRIC LIGHT, POWER AND TELEPHONE SYSTEM

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 15, 1922.—SEALED PROPOSALS will be opened in this office at **3 p.m., June 15, 1922,** and in the office of the Superintendent of Construction, U. S. Veterans' Hospital, Whipple Barracks, Prescott, Arizona, at **1 p.m., June 15, 1922,** for electric light, power and telephone systems, at the U. S. Veterans' Hospital, at Whipple Barracks, Prescott, Arizona, in accordance with specification and drawings, copies of which may be had at this office, or at the office of the Superintendent of Construction, at Whipple Barracks, Prescott, Arizona, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR RADIO TOWERS

NOTICE TO CONTRACTORS

SEALED PROPOSALS, endorsed "Proposals for Radio Towers, Mare Island, Calif., Specification No. 4637," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., **until 11 o'clock A. M., June 14, 1922,** and then and there publicly opened, for two steel radio towers, erected on concrete foundations at the Navy Yard, Mare Island, Calif. Drawings and Specification No. 4637 may be obtained on application to the Bureau or to the Commandant, Navy Yard, Mare Island, Calif. Deposit of a check or postal money order for $40, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specifications. L. E. GREGORY, Chief of Bureau, May 9, 1922.

NOTICE TO CONTRACTORS (Grading)

Notice is hereby given that the Bakersfield Masonic Temple Association will receive bids at the office of its Secretary at the Security Trust Company, Bakersfield, California, up to **ten o'clock a.m. on June 1st, 1922,** for the excavation according to plans and specifications on file in the Secretary's office of lot known as the New Masonic Temple Site on the north side of eighteenth street, between F and D streets (the particular description is contained in the plans and specifications).

The right is reserved to reject any or all bids.

By order of The Board of Directors.
ARTHUR S. CRITES,
Secretary.

NOTICE TO CONTRACTORS

GALVANIZED WROUGHT IRON WATER PIPE

Bids on the following material will be received by the City Council of the City of Sacramento in the Council Chamber of the City Hall on I Street, between 9th and 10th Streets, **between the hours of 8 and 9 o'clock p.m., on Thursday, June 1st, 1922,** viz:—

200 ft. 4-in. Standard Galvanized Wrought Iron Water Pipe, with Threads and Couplings, weight 10.889 pounds per lin. ft.

200 ft. 3-in. Standard Galvanized Wrought Iron Water Pipe, with Threads and Couplings, weight 7.616 pounds per lin. ft.

400 ft. 2½-in. Standard Galvanized Wrought Iron Water Pipe, with Threads and Couplings, weight 5.819 pounds per lin. ft.

3000 ft. 2-in. Standard Galvanized Wrought Iron Water Pipe, with Threads and Couplings, weight 3.678 pounds per lin. ft.

3000 ft. 1½-in. Standard Galvanized Wrought Iron Water Pipe, with Threads and Couplings, weight 2.731 pounds per lin ft.

10000 ft. 1-in. Standard Galvanized Wrought Iron Water Pipe, with Threads and Couplings, weight 1.684 pounds per lin. ft.

30000 ft. ¾-in. Standard Galvanized Wrought Iron Water Pipe, with Threads and Couplings, weight 1.134 pounds per lin. ft.

The permissible variation in weight is 5 per cent above and 5 per cent below.

All proposals must comply with the requirements of tht new charter of the City of Sacramento, effective June 30th, 1921, and bidders are hereby cautioned that no bid which fails to comply therewith can be considered.

Bids must be submitted upon printed forms with instructions prepared by the city, copy of which will be supplied free upon application to the undersigned.

All bids must be in price per linear foot for each size of pipe.

All bids must be f.o.b. Sacramento, California.

Time of delivery will be the essence of this contract.

A certified check made payable to the City Controller, or a cash deposit for an amount not less than five per cent (5%) of the aggregate of the proposal must accompany each bid.

A faithful performance bond amounting to approximately twenty-five per cent (25%) of the amount of the contract will be required of the successful bidder, in accordance with provisions of said new Charter.

The right to reject any and all bids is reserved to the city by provisions of the Charter.

H. G. DENTON,
City Clerk of the City of Sacramento.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

NOTICE TO CONTRACTORS

Sealed proposals will be received by the undersigned until **2:00 P.M., June 14th, 1922,** for constructing a portion of the State Highway System in Churchill County, between 1½ miles west to 3½ miles east of Frenchman's —work consisting of grading, construction of culverts and placing gravel surface.

Plans may be examined and form of proposal, contract and specifications secured at office of undersigned. May also be examined at the Highway Department's Division Offices in Reno, Las Vegas and Elko, at the County Clerk's office in Fallon, and at the District Office of the Bureau of Public Roads in the Mills Building, San Francisco, California. Cash deposit of fifteen dollars ($15.00) with undersigned required for copy of Plans, which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department, and must be accompanied by a certified check in the amount of 5% of the bid.

Each bidder must accompany his bid with a certificate from a surety company, duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required and in accordance with the provisions of said Specifications, conditioned for the faithful performance of the provisions of the contract and specifications.

Right is reserved to reject any or all bids.

GEO. W. BORDEN,
State Highway Engineer,
Carson City, Nevada.

NOTICE TO CONTRACTORS

(Cole School Alterations)

Office of the Secretary of the Board of Education of the City of Oakland.

Sealed bids will be received by the Board of Education of the City of Oakland, City Hall, Oakland, California, **until Monday, the 12th day of June, 1922, at 4:30 P. M.,** at which time said bids will be opened for the Alterations to two-story flat building for the Cole School, of the Oakland School District, located on the southeast corner of 12th and Poplar Streets, Oakland, Calif.

Bids will be received for:

General work, including Excavating and Concrete Work, Carpentry, Plastering, Painting, Plumbing and Electrical Work, etc.

Plans and specifications for said work are on file at the office of the Architect for the Board of Education, 2119 Broadway, Oakland, California.

On a deposit of Twenty-five ($25) Dollars, said plans and specifications may be had by any prospective bidder for one of the branches of the work above listed. These plans and specifications may be retained as follows:

General work, ten (10) **days.**

If the plans and specifications are not returned to the Architect within the time above specified, or are returned in a mutilated or damaged condition, the deposit will be forfeited and will be immediately used for the purchase of a new set of blue prints and specifications.

Bids must be made on proposals obtained at the office of the Architect, and be signed by the bidder, accompanied by a certified check, certified to by some responsible bank or banker, and made payable to J. W. Edgemond, Secretary of the Board of Education, to be retained by the said School Districts as agreed and liquidated damages should the party or parties to whom the contract should be awarded fail to enter into the contract after the award, or to give bonds required for the faithful performance of the contract, or any bond required by law. The amount of said check shall not exceed Five Thousand ($5,000) Dollars, but for all bids of less than Fifty Thousand ($50,000) Dollars, said check shall be for at least ten (10%) per cent of the amount of the bid. Each bid shall be accompanied by an affidavit executed on a form that can be obtained from the Architect.

Bids will be opened by the Board of said Districts on Monday, the 12th day of June, 1922, at the hour of 4:30 P. M., in the Board Room, 211 Second Floor of said City Hall, in said City of Oakland. The Board reserves the right to reject any and all bids or any or all items of such bids.

JOHN W. EDGEMOND,
Secretary of the Board of Education of Oakland, California.

NOTICE TO CONTRACTORS

(Equipment Work—Alexander Hamilton Junior High School)

Office of the Secretary of the Board of Education of the City of Oakland.

Sealed bids will be received by the Board of Education of the City of Oakland, City Hall, Oakland, California, **until Monday, the 19th day of June, 1922, at 4:30 P. M.,** at which time said bids will be opened, for the equipment work for the Alexander Hamilton Junior High School, of the Oakland School District and Oakland High School District, located at 35th and Galindo Streets, Oakland, California.

Bids will be received for:

General Equipment Work, including Cabinet Work, Mill Work, Rough Hardware, Finished Hardware, Sheet Metal Work, Miscellaneous Iron Work, Miscellaneous Work, Glass and Glazing, Painting, Gas and Electric Ranges.

Plans and specifications for said work are on file at the office of the Architect for the Board of Education, 2149 Broadway, Oakland, California.

On a deposit of Twenty-five ($25) Dollars, said plans and specifications may be had by any prospective bidder. These plans and specifications may be retained for ten (10) days.

If the plans and specifications are not returned to the Architect within the time above specified, or are returned in a mutilated or damaged condition, the deposit will be forfeited, and will be immediately used for the purchase of a new set of blue prints and specifications.

Bids must be made on proposals obtained at the office of the Architect, and be signed by the bidder, accompanied by a certified check for at least 10% of the bid, certified to by some responsible bank or banker, and made payable to John W. Edgemond, Secretary of the Board of Education, to be retained by the said School Districts as agreed and liquidated damages should the party or parties to whom the contract should be awarded fail to enter into the contract after the award, or to give bonds required for the faithful performance of the contract, or any bond required by law. Each bid shall be accompanied by an affidavit executed on a form that can be obtained from the Architect.

Bids will be opened by the Board of said districts on Monday, June 19, 1922, at the hour of 4:30 P. M., in the Board Room, 211 Second Floor of said City Hall, in said City of Oakland. The Board reserves the right to reject any and all bids or any or all items of such bids.

JOHN W. EDGEMOND,
Secretary of the Board of Education of Oakland, California.

BIDS WANTED FOR SCHOOL

(Two-story Frame Structure, 16 Classrooms and Auditorium. Estimated Cost, $100,000)

NOTICE TO CONTRACTORS AND BIDDERS

Notice is hereby given that sealed bids will be received and opened by the Board of Trustees of the Los Gatos School District, of Santa Clara County, Calif., **up to 8:00 o'clock P. M., on the 12th day of June, 1922,** in the present school building of said school district, in the County of Santa Clara, Calif., for the erection and completion of a school building for the above named District in accordance with plans and specifications made for the same by Wyckoff & White the authorized Architects, employed by the Board.

Bids will be received on a general contract including everything shown and specified with the exception of steam heating and ventilating, with alternate propositions. Bids will also be received separately on plumbing, steam heating and ventilating; electric wiring; roofing, and painting.

Plans and specifications can be seen at the office of Architects, Wyckoff & White, Growers Bank Bldg., San Jose, Calif.

A deposit of Twenty Dollars ($20.00) cash will be required on all plans loaned out on a guarantee of good faith.

All bids to be made out on blank forms, furnished by the Architects and must be accompanied by a check for not less than five per centum (5%) of the amount of the bid, made payable to L. C. Cornell, Clerk of the Board and certified to by some responsible banking house. This check is to be forfeited in the event that the successful bidder, after having been awarded the contract, fails within ten (10) days to sign the contract and furnish a good and sufficient bond, as required by law.

The Board reserves the right to reject any or all bids.

Dated in Los Gatos School District, Santa Clara County, Calif., this 16th day of May, 1922.

L. C. CORNELL,
Clerk of the Trustees of Los Gatos School District.

BIDS WANTED FOR SCHOOL

NOTICE TO BIDDERS

Bids will be received from general contractors for the furnishing of all labor and materials and the erection of a one-story wood frame, plastered, steam heated School Building to be erected in Lakeport, Lake County, California.

Plans and specifications and form of proposal may be secured from the Architects, Morrow & Garren, 1605 Chronicle Bldg., San Francisco, or by written request to Architects, or Clerk of the Board, accompanied by a $10.00 deposit, which will be held until plans are returned.

All bids must be accompanied by a copy of this advertisement and a certified check for 10% of the estimate, drawn to the order of the Trustees, all enclosed in a sealed envelope, marked, "Proposal for the Lakeport Grammar School." All bids must be in the hands of the Clerk of the Trustees not later than **12 noon, Saturday, July 1st, 1922,** and will be opened at the present Lakeport Grammar School at 3 p.m., July 1, 1922.

LAURA M. BERRYMAN,
Clerk of Board of Trustees, Lakeport Union High School District,
Lakeport, California.

NOTICE TO BIDDERS

(Madera High School Additions)

The Board of Trustees of the Madera Union High School will receive bids up to **7:30 p.m. of Thursday, June 9, 1922,** for the following building construction:

(All bids, based on plans and specifications for addition and alteration to Madera Union High School shop building, prepared by Swartz & Ryland, architects, Fresno. Plans may be secured from the principal of the Madera Union High School, at his office on deposit of $5.00).

1. All brick work yet to be done to complete work.
2. All mill work and lumber to be furnished to complete plans.
3. All heating and plumbing work to be done to complete plans.

Bids are to be made separately and each bid is to be accompanied by a certified check for 10 per cent of the amount of the bid. Check to be made payable to the Secretary of the Board of Trustees of the Madera Union High School.

(Signed)

GEORGE MARCHBANK,
President.
G. M. SHEDD, Secretary,
Board of Trustees of the Madera Union High School

NOTICE TO CONTRACTORS FOR THE CONSTRUCTION OF THE LONGFELLOW SCHOOL.

(Two-Story Brick 7-room Structure. Estimated Cost, $63,000).

The Board of Education of the City of Berkeley and of Berkeley School District in the County of Alameda, State of California, invites and the undersigned will receive at his office, 2133 Allston Way, Berkeley, California, up to the hour of **4 o'clock p.m., June 6, 1922,** sealed proposals for furnishing the necessary materials, tools and labor for the doing of certain work under segregated contracts as set forth below for the construction of the Longfellow School, situated on Sacramento, California, Ward and Derby Streets, in Berkeley School District, in accordance with plans and specifications adopted by said Board of Education on May 23, 1922, and now on file in the office of the said Board of Education, 2133 Allston Way, Berkeley, California. Sealed proposals must be filed for each portion of the work as segregated and set forth below:

1. Excavating, grading and concrete work.
2. Carpentry and millwork.
3. Lathing and plastering.
4. Masonry.
5. Electrical work.
6. Heating and ventilating.
7. Plumbing.
8. Structural steel.
9. Roofing and sheet metal.
10. Painting.
11. Shades.

Copies of said plans and specifications may be obtained from the offices of William C. Hays, 1325 First National Bank Building, San Francisco, California, and from Room 12, Eastman Building, Center and Oxford Streets, Berkeley, California, upon depositing the sum of Ten ($10.00) dollars cash. Plans and specifications must be returned within six (6) days from date of receipt or said deposit may be forfeited. Deposit will be forfeited on any plans not returned to Architect on or before 4 o'clock p.m., June 9, 1922.

Bids must be on blank forms furnished by and obtained from said William C. Hays. Work on any of the above segregated contracts must commence within 48 hours from notification of the Board of Education to commence said work, and be diligently prosecuted until completion thereof, unless otherwise ordered by said Board of Education and the Architect.

The successful bidder will be required to furnish a surety bond acceptable to the Board of Education in a sum not less than twenty-five (25%) per cent of the contract price, guaranteeing the faithful performance of the contract; also a bond in a sum not less than fifty (50%) per cent of the contract price, guaranteeing the payment of all claims for labor employed or materials used in the construction of the Longfellow School as provided by an Act of the Legislature of the State of California, entitled "An Act to Secure the Payment of Claims of Material-men, Mechanics or Laborers Employed by Contractors upon State, Municipal or Other Public Work, Approved March 27, 1897," and must carry adequate insurance or give bonds indemnifying the Board of Education against liability for compensation provided by "Workingmen's Compensation Insurance and Safety Act, approved May 26, 1915," satisfactory to the said Board of Education.

All bids must be accompanied by a cash deposit or a certified check on a responsible bank and payable to the Board of Education for an amount equal to ten (10%) per cent of the amount of the bid.

If the bidder to whom the contract is awarded shall for five (5) days after such an award fail or neglect to enter into a contract and file the required bonds for the faithful performance of the contract and the furnishing of materials and labor, the cash deposit or certified check of said bidder may be declared forfeited to the Board of Education and shall be collected and paid into the General Fund of said Board of Education.

The Board of Education reserves the right to reject any and all bids.

By order of the Board of Education of the City of Berkeley, County of Alameda, State of California.

CLYDE BLANCHARD,
Acting Secretary of said Board of Education

(36325) 1st report Oct. 29, 1920; 3rd May 18, 1922 R P

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

MALTA, Montana.—Until June 28, 2 p.m., bids will be rec. by U. S. Reclamation Service, Malta, to const. structures on the Nelson reservoir canal and Vandalia canal laterals and waste-water ditches, Milk River project. Work involves the excavation for structures of 8500 cu. yds. and 14,300 cu. yds. backfill, 470 cu. yds. reinf. conc., about 670 sq. yds. dry paving, laying 3600 lin. ft. clay and metal pipe, erecting of 660 lin. ft. metal flume and 102,-200 ft. lumber. The work is situated in the vicinity of the towns of Saco, Hinsdale, Tampico, Glasgow and Nashua, Mont., on the Great Northern Railway, and is divided into seven schedules, and proposals will be rec. for separate schedules. For particulars address the United States Reclamation Service, Washington, D. C.; Denver, Colo., or Malta, Montana.

MODESTO, Stanislaus Co., Cal.—Pacific Portland Cement Co., at $3.61 bbl. awarded contract by Modesto and Turlock Irrigation Districts to fur. 50,000 bbls. of cement for Don Pedro dam project. Bid is f.o.b. Don Pedro.

PRESCOTT, Ariz.—Until 7:30 p.m., June 12, bids will be rec. by City Council for const. conc. dam on Banning Creek at a point about 3 miles south of Prescott. Plans and spec. on file with city eng. Cert. chk. for 5%. J. H. Robinson, clerk.

ANAHEIM, Cal.—Until 8 p.m., June 6, bids will be rec. by L. B. Berger, secty. of the Permanent Flood Control Committee of Anaheim, 1st Nat. Bank Bldg., for const. levee and a pile and plank and wire dike along the west bank of the Santa Ana River, from 1200 ft. above the Anaheim-Olive road to the trestle of the Santa Fe Ry.'s Richfield-Olive branch, approx. 7850 ft. Work will involve approx. 43,568 cu. ft embank., 1065 18-ft. round piles, 100,000 ft. board measure 2x12-in. treated fir planking, 9180 ft. 50-in. woven wire fencing, 660 ft. 58-in. woven wire fencing, 1130 lbs. 30-penny spikes, and 140 lbs. 4½-in. staples. Plans and spec. on file with the secty. Cert. chk. or bond for 10%.

SAN DIEGO, Cal.—Harbor Comm. orders plans prepared for a mole-type pier, three times as large as the present municipal pier, located 400 ft. north of the foot of Broadway. Est. cost, $250,000. Will be 1000 ft. long, 300 to 400 ft. wide.

PHOENIX, Ariz.—Thos. Maddock, State Engineer, Phoenix, announces highway department plans construction of three bridges if Yavapai county supervisors can raise funds. The structures are: 300-ft. span over Agua Fria river at Canyon; 450-ft. bridge on Black Canyon road over Verde river at Camp Verde; and a 300-ft. bridge at Cornville over Oak Creek.

PORTLAND, Ore.—Until May 31, bids will be received by State Highway Commission, Courthouse, to construct bridges as follows:

Douglas County: Pacific Highway, bridge over Elk Creek at Drain requiring approximately 410 cu. yds. Class A concrete and 70,000 lbs. metal reinforcement.

Grant County: John Day Highway, Bridges near Dayville requiring approximately 150 cu. yds. Class A and 165 cu. yds. Class B concrete; 28,000 lbs. reinforcement; 140,000 lbs. structural steel; 2400 lin. ft. wood piling and 325 lin. ft. of standard trestle.

Polk County: West Side Pacific Highway. Reinforced concrete bridge over Basket Slough near Rickreall requiring approximately 125 cu. yds. Class A concrete; 18,000 lbs. metal reinforcement and 650 lin. ft. of piling.

SAN FRANCISCO.—Purchase of Mission Rock, located in San Francisco Bay, is contemplated by the State, which proposes to erect four new piers bet. Piers Nos. 46 and 54. The purchase price will be in the neighborhood of $250,000.

WASHINGTON, D. C.—The House has authorized an appropriation of $31,442,-000 for river and harbor improvements. Funds for California improvements are available as follows: San Diego harbor, $135,000; Los Angeles harbor, $730,000; San Francisco harbor entrance, $530,000; Oakland harbor, $1,375,450. Surveys to determine the advisability of improvements have been authorized for Los Angeles and Long Beach harbors, Newport Bay, South San Francisco harbor, Pinole Shoals and Mare Island Channel, turning basin, Sacramento and San Joaquin Rivers.

NATIONAL CITY, Cal.—San Francisco Bridge Co., Nevada Bank Bldg., S. F., will start soon on bulkheads and dredging fo Blackman terminals. The Foundation Co. will erect a pier for the Blackman interests.

IRRIGATION PROJECTS

FONTANA, Cal.—Fontana Farms Co. is building 21,000 ft. of irri. pipe line to enlarge present system, comprising over 250 mi. of mains and laterals.

TUCSON, Ariz.—An election will be held in Laguna School District No. 7, May 27, to vote on the formation of the proposed Jaynes Irrigation District An election will also be held in Rillito School District No. 8, to vote on the formation of the Flowing Wells Irrigation District. J. E. Woods, chairman board of supervisors, Pima Co.

BISHOP, Inyo Co., Cal.—A mass meeting will be held May 27, in Valley Farm Center for the purpose of considering the formation of an irrigation district.

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LIGHTING SYSTEMS

PITTSBURG, Contra Costa Co., Cal.—City Trustees complete installation of electroliers in Black Diamond and Railroad Aves.

PASADENA, Cal.—So. Cal. Electric Co., 625 S. Main St., Los Angeles, awarded contr. by city directors, at $11,000, to construct conduits along El Molino St. and portions of California and Oak Sts.

LOS ANGELES, Cal.—Council declares intention to construct ornamental lighting system in Melrose Ave bet. Western Ave. and Gramercy Place, St. Andrew's Place bet. Marathon St. and Melrose Ave., Marathon St. bet. Western Ave. and Gramercy Place, and Gramercy Place bet. 125 ft. north of Marathon St. and Melrose Ave. 1905 and 1911 Acts.

MACHINERY

NEWPORT BEACH, Cal.—Until 7:30 p.m., June 5, bids will be rec. by City Clk. Alfred Smith for fur. and installing 75 hp. Diesel engine at pumping plant of Newport Beach city water dept. Spec. may be obtained from clk. or at office of Paul E. Kressly, const. eng., 732 H. W. Hellman Bldg., Los Angeles. Cert. chk. 10%.

BAKERSFIELD, Kern Co., Cal.—Until June 8, 7:30 p.m., bids will be rec. by E. R. Long, secty. Board of Education, for fur. two 1½-ton trucks, one equipped with special body for transportation of elementary school pupils, and another equipped with body for trucking purposes. Spec. may be had from secty., Room 3, City Hall, Bakersfield.

SALINAS, Monterey Co., Cal.—Holton Grain Elevator Co., Spokane, Wash., at approx. $30,000 awarded contr. to const. grain elevator for growers in vicinity of Salinas.

HUNTINGTON PARK, Cal.—Until 5 p.m., June 5, bids will be rec. by City Clerk H. H. Hunter, for one deep well pump at Well No. 1, at municipal pumping plant. Spec. on file with clerk. Check or bond 10%.

TULARE, Tulare Co., Cal.—Until 7:30 p.m., June 1, bids will be rec. by City Clerk C. W. Cobb, for drilling a well. Spec. on file with city eng. Cert. check. $100.

LOS ANGELES, Cal.—Until 3 p.m., June 9, bids will be rec. by Public Service Comm., 207 S. Broadway, for oil switches. Spec. P-272. Jas. P. Vroman, secty.

REDONDO BEACH, Cal.—Fairbanks, Morse & Co. have contract to furnish city with pump for septic tank at $837.80 f.o.b. plant, on lease contract at $300 mo., until purchase price is paid.

NAPA, Napa Co., Cal.—Until June 7, 4 p.m., bids will be rec. by American Canyon School District to lay a (No. 1) 1½-in. galv. iron water pipe line, to be laid 16 in. in depth. Spec. may be had from clerk of district at school house, Napa Junction. Trustees of district are: John Cantoni, Frank Battistini and Ed Luchsinger.

SACRAMENTO, Cal.—Until June 1, 9 p.m., bids will be rec. by H. G. Denton, city clerk, for fur. and del. galv. wrought iron water pipe. **See call for bids under official proposal section in this issue.**

SAN ANSELMO, Marin Co., Cal.—Until June 5, 8 p.m., bids will be rec. by Arthur Studley, town clerk, for fur. tractor. Spec. may be had from clerk.

CARPINTERIA, Cal.—Residents of Carpinteria Valley plan to utilize waters of Santa Cruz River and the underground sources, piping it to a point near Rincon, from where it would be distributed. E. A. Rowe of the engineering firm of J. B. Lippincott, Los Angeles, has investigated the project and has estimated the cost, $743,527, to irrigate 9000 acres. The artesian basin covers 45,000 acres and 200-ft. wells will provide a natural flow. An election will probably be called soon.

SACRAMENTO, Cal. — Latourrette-Fical Co., 2761 Sacramento Blvd., Sacramento, at $3831 awarded contract by State Highway Commission to furnish electrical equipment for Maintenance shop building.

FIRE EQUIPMENT

CHICO, Butte Co., Cal.—Until May 31, 7:30 p.m., bids will be rec. by Ira R. Morrison, city clerk, for fur. 900 ft. double jacket 2½-in. fire hose, coupled. Spec. on file in office of clerk.

HOLTVILLE, Cal.—City Trustees are considering purchase of a modern fire truck.

HANFORD, Kings Co., Cal.—Until June 12, 8p.m., bids will be rec. by D. C. Williams, city clerk, for fur. 1000 ft. more or less. 2½-in. fire hose.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

DINUBA, Tulare Co., Cal.—Federal Construction Co., Call Bldg., San Francisco, at $134,900 awarded contract by trustees to construct sewage disposal plant; for Shone ejectors, Ingersoll-Rand compressors; Robins and Meyers motors; Electric Controller and Mfg. Co.'s compensators; protective panels and regulators, Unit type switchboard, Blackmor rotary pump and sewage disposal plant. C. E. Sloan, Santa Fe Bldg., San Francisco, engineer.

HOLLISTER, San Benito Co., Cal.—Until June 5, 2 p.m., bids will be rec. by county supervisors to regrade and surface with asphaltic wearing surface, the following roads:

1. San Juan and Watsonville road, distance 8800 ft., area 105,600 sq. ft.
2. Old San Juan and New Idria road, distance 5000 ft., area 60,000 sq. ft.
3. Buena Vista road: 7440 ft., 89,280 sq. ft.
4. San Justo and Tres Pinos road: 5200 ft., 62,400 sq. ft.
5. Hollister and Tres Pinos road, 12,288 ft., 196,528 sq. ft.
6. San Felipe, Fairview and Township road, 2800 ft., 33,600 sq. ft.
7. Hollister and Gilroy road, 3200 ft., 38,400 sq ft. Total distance, 44,-723 ft.; total area, 585,808 sq. ft. W. A. Winn, county surveyor.

FRESNO, Fresno Co., Cal.—City Council declares intention to construct 874 ft. 6-in. vit. clay pipe sewer; 3 manholes and 2 lampholes in Webster Ave. Wm. Stranahan, city eng.

SAN FRANCISCO. — Pacific States Construction Co., Call Bldg., at $12,845 awarded contract by Board of Public Works to improve Great Highway bet. Cabrillo and Fulton Sts.

MERCED, Merced Co., Cal.—Until June 5, 2 p.m., bids will be rec. by P. J. Thornton, county clerk, to const. asph. pavement, incl. grading and shaping of sub-grade on roads in Road Imp. Dist. No. 2. Work under Road Dist. Imp. Act 1907. Plans may be had from J. F. McSwain, engineer for work, 7 Security Bank Bldg., Merced, on deposit of $3.50 (not returnable). A. E. Cowell is county surveyor.

POMONA, Cal.—H. A. Teget, Ontario, awarded contr. by council at $11,-195 to const. part 30-in. and part 16-in. reinf. conc. storm drain and culverts, etc. in Garey Ave. bet. Berties and 6th Sts., comprising about 3000 ft. conc. pipe and 1000 ft. of culverts.

BERKELEY, Alameda Co., Cal.—Until May 31, 4:15 p.m., bids will be rec. by Clyde Blanchard, Acting Secty. Board of Education, 2133 Allston Way, to macadamize and oil surface playgrounds at McKinley School in Dwight Way near Telegraph Ave. Spec. may be had from secty.

TRACY, San Joaquin Co., Cal.—The Southern Pacific Co. has started legal proceedings in an effort to halt proposed $40,000 paving project.

BERKELEY, Alameda Co., Cal.—City Council, E. M. Hann, clerk, declares intention to const. 6-in. vit. sewer in Sacramento St., from Francisco south 250 ft.; 1 br. manhole and 1 lamphole. 1911 Act. Protests June 2. C. L. Huggins, city eng.

OAKLAND, Cal.——Until June 1, 12 M., bids will be rec. by Eugene K. Sturgis, city clerk, to improve 85th Ave. bet. E. 14th and E Sts., by grading, const. conc. curbs and gutters, cement walks, paving with oil macadam, 4 corru. iron and 1 wood culverts. 1911 Act. W. W. Harmon, city eng.

BERKELEY, Alameda Co., Cal.—City Council, E. M. Hann, clerk, declares intention to improve west 36 ft. of Euclid Ave. from east extension of north end of Whitney Tract, north to the east extension of Bay View Place and Bay View Place from Euclid Ave. west to east line of Hopkins Terrace, by grading, const. comb. conc. curbs and gutters; 6-in. conc. pavement; 6-in. vit. sewer; cement walks. 1911 Act. Protests June 2. C. L. Higgins, city eng.

CALIFORNIA. — As previously reported, bids will be rec. by State Highway Comm., Forum Bldg., Sacramento, to pave with Port. cement conc. 5.8 miles in Orange County bet. Irvine and Tustin; project involves 10,950 cu. yds. Class A conc., and 590 cu. yds. removal of broken conc. in existing base. Commission will furnish rein. steel, cement and sand and coarse aggregate. Austin B. Fletcher, State highway engineer.

SAN ANSELMO, Marin Co., Cal.—Bid of S. P. Brownlee, San Rafael, to improve streets in Barber Tract rejected by Town Trustees. It is proposed to do all or part of the work by private contract. J. C. Oglesby, Cheeda Block, San Rafael, town eng.

STOCKTON, San Joaquin Co., Cal.—City Council, A. L. Banks, Clerk, declares intention to construct lateral sewers with wyes, curved and house branches, manholes with and without automatic flushers in North street, bet. Madison and Edison. 1911 Act. Protests June 6. W. B. Hogan, City Engineer.

NEWPORT BEACH, Cal.—Independent Asphalt Paving Co., Seaboard Bldg., Seattle, Wash., awarded contract by City Trustees at $459,960.52 for paving Central Ave. and other streets, involving 368,755 sq. ft. 5-in. concrete paving; 812,438 sq. ft. 8-in. concrete paving; 47,628 ft. 6x10x15-in. curb; 236 ft. 6x15 48-in. curb; 74,028 sq. ft. walk; 13 catchbasins; 16 curb drains 148,18 sq. ft. clay and gravel surfacing. Paule E. Kressly, H. W. Hellman Bldg., engineer.

SANTA BARBARA, Cal.—O. C. Marriott submitted only bid to the Supervisors at $13,500 to pave Bell street in Los Alamos, in the 5th road district. The bid was rejected as too high. Work will be done by the day.

GUSTINE, Merced Co., Cal.—Bid of Warren Constr. Co. at $35,400 to pave streets rejected by the Trustees.

SAN FRANCISCO.—City Eng. M. M. O'Shaughnessy completes spec. to construct 522 lin. ft. 8-in. sewer, 38 wye branches and 2 brick manholes in Ledyard St. from Silver Ave. southerly. Est. cost, $1230.

TORRANCE, Cal.—Fairchild - Girmore-Wilton Co., L. A. Ry. Bldg., Los Angeles, submitted low bid to city trustees at $51,285.10 for paving Arlington St. bet. south boundary and Plaza del Amo, involv. approx. 212,300 sq. ft. Willite paving. Other bids were. Oswal Bros., $56,466.60; Braun, Bryant & Austin, $57,513.37; Geo. R. Curtis, $60,058.50, and Fred Hoffman, bid not totalled.

Fairchild-Gilmore-Wilton Co. low bidders at $37,115.60 for paving Carson St. from city boundary eastward, involv. 127,700 sq. ft. Willite paving. Other bids were: Braun, Bryant & Austin, $33,963.78; Oswald Bros., $37,-317.60; Geo. R. Curtis, $37,889; Fred Hoffman, bid not totalled.

L. A. Paving Co. submitted bids of $42,679.30 on the first job and $29,-511.84 on the latter, but both bids were requested withdrawn by the Calif. Willite Road Const. Co., on the ground that an error had been made. As the status of these bids affected the legality of the proceedings, the matter was referred to the city attorney.

Fred Hoffman, Long Beach (mail address 1034 Shattuck St., Berkeley), submitted low bid at 24c sq. yd. for oiling and graveling 200,000 sq. yds. on Carson St. Geo. R. Crutis bid 45c. Bids referred to H. R. Postle, city eng.

SAN RAFAEL, Marin Co., Cal.—S. P. Brownlee, San Rafael, at $39,583 awarded contract by Supervisors to pave with Warrenite, roads in Supervisor Barr's district from Embarkedere on 3rd St. to a point below the Marin Golf and Country Club gate; and the same pavement from the summit of the Puerto Suello grade to a point opposite the Cemetery gate at Las Gallinas; also the same pavement from the city limits of San Rafael to the Tamalpais Cemetery gate. Brownlee at $2890 awarded contract to grade and gravel road in Supervisor Martinelli's district.

RIVERSIDE, Cal.—Until 10 a.m., June 26, bids will be rec. by Board of Supervisors, D. G. Clayton, clerk, for constructing asph. conc. pavement, including grading, vit. pipe culverts with end walls, cast iron monument caps, and timber trestle bridge, and other incidental work in various streets and roads in R. D. I. No. 9. Cert. check or bond 10%. A. C. Fulmor, county surveyor. Approx. quantities are: 607,096.66 sq. ft. asph. conc. pavement; 511.15 cu. yds. cem. conc. pavement and curb; 18 cu. yds. conc. headwalls; 532 cu. yds. rubble rock in boulder protection mats; 18,000 ft. galv. wire in boulder protection mats; 11,919 cu. yds. excav.; 26 ft. 18-in. and 130 ft. 12-in. vit. pipe culverts; timber trestle bridge 551 ft. long; 6 castings for section corners; 2 wrought iron culverts.

LOS ANGELES, Cal.—C. W. Shafer, 1614 Temple St., awarded contr. by Board of Public Works at $14,048.07 for grading and oiling Lowell St. bet. Huntington Dr., South and Keats St., involv. 583 sq. ft. asph. paving, incl. grading 31,169 sq. ft. rough grading, 31,169 sq. ft. finishing grade, oiling and rolling, 2581 ft. curb, 12,821 sq. ft. walk, 5184 sq. ft. conc. gutter; catch basins compl., $700; iron pipe culvert, $500.

EAGLE ROCK, Cal.—City Eng. Jordan has recommended a 2-in. rock surface paving for Valley Drive.

ANTIOCH, Contra Costa Co., Cal.—City Trustees petitioned to pave L St., between 4th and 10th; K St., between 2nd and 6th and 6th from L to K. E. P. Easley, Town Engineer.

PHOENIX, Ariz.—Until June 7, bids will be rec. by Thos. Maddock, State Eng., Phoenix, for 2½ mi. of paving out of Nogales on the Tucson-Nogales road. City of Nogales will pave about one mile at Nogales end of this highway and Tucson will pave about 10 mi. at other end.

SAN BERNARDINO, Cal.—Paving of Mill St. bet. Allen St. and Waterman Ave., 1000 lin. ft., with oil surfacing, by day labor, will commence this week under supervision of County Highway Comm. Jas. W. Cole. Cost, $3500.

SAN JOSE, Santa Clara Co., Cal.—City Council, John J. Lynch, clerk, declares intention to imp, Orchard St. bet. San Carlos and Balbach, by regrading, paving with 4-in. conc. base with 1½-in. asph. conc. surface; conc. curbs and gutters; 5 br. catch basins with 8-in. vit. sewer connections. Wm. Popp, city eng.

PHOENIX, Ariz.—Until 10 a.m., June 10, bids will be rec. by Thos. Maddock, State Engineer, Phoenix, for const. highway at Winslow, involv. 10,000 sq. yds. plain conc. or asph. conc. pavement, 70 cu. yds. A conc., and other incidental items. Plans and spec. may be obtained from State Eng. upon payment of $5. Cert. chk. 5%.

LEWISTON, Idaho.—Grant Smith Co., Spokane, at $101,419 awarded contract to grade and surface 8.98 mi. of north and south State highway in Nez Perce County, Federal Aid Project No. 56, known as Culdesac Hill.

GLOBE, Ariz.—Until 1 P. M., June 5, bids will be received by the Supervisors of Gila County to construct Final Top Road, 5 miles, involving 50,000 cu. yds. excavation unclassified, 200 cu. yds. excavation unclassified for structures, 738 ft. 18-in., 426 ft. 24-in., 198 ft. 30-in., 88 ft. 36-in. cast metal pipe (haul and place). Plans and specifications may be obtained from county engineer, Globe, upon deposit of $10. Certified check 5%. E. C. Taylor, Chairman of Board.

SANTA BARBARA, Cal.—City Council petitioned to pave, construct curb and gutter on Micheltorena Ave., bet. San Andreas and Gillespie Sts. and another for grading, construction of curbs and gutters on Anapamu bet. Castillo and San Andreas.

EL CERRITO, Contra Costa Co., Cal.—City Trustees petitioned to pave, gutter, curb and sidewalk Clayton Ave. W. S. Farley, Town Engineer.

TUCSON, Ariz.—City Council declares intention to construct 8-in. sewers, lay water mains with hydrants, valves, etc., in Fourth and Fifth Sts., and Lowell Ave. between Centre St. and Park Ave. and in Park Ave. between Fourth St. and Lowell Ave.

OAKLAND, Cal.—East Bay Water Co., granted permit by City Council to install 2.85 miles of 20-in. water main in East Oakland. Will be 15,050 ft. in length and installed in Hopkins, Champion, Palmetto, Boston, School, California and Bay Sts., and 35th Ave.

CALIFORNIA.—Following bids rec. May 22 by State Highway Commission:

Alameda County: Bet. east boundary and Greenville, 10 mi. to be paved with cement conc. shoulder and asph. conc. surface, involv. 7310 cu. yds. Class A conc. (shoulders and repairs to old base); 975 cu. yds. removal of broken concrete in existing base; 14,220 tons asph. conc. surface:

Oakland Paving Co., 5000 Broadway, Oakland	$ 98,213.80
J. A. Costello Jr., S. F.	110,734.50
Warren Const. Co., Oakland	110,655.50
John Doyle, San Jose	129,866.00
Blanco & Taylor, Vallejo	137,401.50
Bates & Borland, Oakland	144,100.50

Engineer's estimaate, $120,481.25.

Kern County: Bet. Junction Pumping Station and Hart, 17.2 mi. to be paved with bit. macadam, involv. 40,000 cu. yds. excav. without classification; 65,400 tons broken stone (bit. macadam); 970 tons asphalt Grade E spread (bit. macadam); 50 cu. yds. Class A conc. (culverts and monuments); 1230 lin. ft. 12-in., 338 lin. ft. 18-in. and 60 lin. ft. 24-in. corru. metal pipe; 78 monuments:

Kaiser Paving Co., First Savings Bank Bldg., Oakland	$380,322.00
Bates & Rogers, Los Angeles	423,482.00
Pacific Constr. Co., S. F.	531,844.00
Bates & Borland, Oakland	707,672.00

Engineer's estimaate, $468,369.50.

Tulare County: Bet. Three Rivers and Sequoia National Park, 5.8 mi. to be graded, involv. 113,000 cu. yds. excavation without classification; 285 cu. yds. Class A conc. (culverts and monuments; 332 cu. yds. dry rubble (retaining wall); 606 lin. ft. 12-in., 1292 lin. ft. 8-in., 294 lin. ft. 24-in., 45 lin. ft. 30-in. and 32 lin. ft. 36-in. corru. metal pipe; 1.7 mi. moving and resetting property fences; 860 lin. ft. guard rail; 180 monuments:

Nevada Contracting Co., Fallon, Nev.	$121,173.90
Gec. Pollock, Sacramento	122,559.70
P. L. Burr, San Francisco	128,981.00
Warren Constr. Co., Oakland	146,399.00
Palmer & McBryde, S. F.	152,673.90
R. McLeran & Co., S. F.	156,352.50
Guy S. Atkinson, Portland	158,378.00
Grant Smith Co., S. F.	158,779.00
Isbell Constr. Co., Fresno	167,436.00
Blumankranz & Vernon, Stockton	173,649.25
Pacific Constr. Co., S. F.	177,951.00

Engineer's estimaate, $109,896.75.

POMONA, Cal.—Council declare intention to improve Main St. bet. Holt Ave. and Pearl St.; Pasadena St. bet. Main and San Antonio Sts.; Pearl St. bet. Park Ave and Garey Ave., and bet. Gibbs and Eleanor Sts.; and Eleanor St. bet. Pasadena and Eleanor Sts., and bet. Gibbs and Eleanor Sts., by grading, paving with 5-in. oiled macadam; const. conc. curbs. 1911 Act.

Also, Alvarado St. bet. Garey and Towne Aves., by grading, paving with 5-in. oiled macadam; const. conc curbs; 1911 Act.

MARYSVILLE, Yuba Co., Cal.—Until June 1, 8 p.m., bids will be rec. by Edw. B. Stanwood, city clerk, to improv 5th St. bet. B and D; 6th St. bet. C and A; D St. bet. 5th and 9th, except intersections, and north half of 5th St. bet. B and C; and south half of 6th bet. B and C; removing 83 lin. ft. br. curb; placing 48 ft. 6-in. sewer pipe; const. 2 catch basins; conc. curb and gutter; grading and paving in D St. bet. 8th and 9th, and 6th St. bet. A and B, with 3½-in. bituminous base and 1½-in. Warrenite-bit. surface, and in 6th St. bet. B and C, and 5th St. bet. B and D, and D St. bet. 5th and 8th, with a 2½-in. bituminous base and 1½-in. Warrenite-bit. surface. Imp. Bond Act 1915. Wm. Meek, city eng.

HAYWARD, Alameda Co., Cal.—Until June 7, 8 p.m., bids will be rec. by M. B. Templeton, town clerk, to const. rein. conc. culvert top in Watkins St. bet. B and C Sts. Jesse B. Holly, town eng.

NATIONAL CITY, Cal.—Until 8 p.m., June 6, bids will be rec. by City Clerk O. A. Mullen to const. 16-ft. conc. pavement on certain streets, involv. 98,355 sq. ft. 5-in. and 43,305 sq. ft. 4-in. 1:2:4 cem. conc. C. B. Ireland, city eng.

BAKERSFIELD, Kern Co., Cal.—County Clerk F. E. Smith instructed to call bids to pave county road adjacent to west boundary of city of Taft, in Road Dist. No. 4.

SAN BERNARDINO, Cal.—County Supervisors declare intention to improve Hellman Ave. bet. Olive St. and 17,750 ft. south. Work will consist of 4-in. conc. paving, 24 ft. wide, conc. curbs, conc. wall, cem. conc. culverts. Road Dist. Imp. No. 17. Harry L. Allison, clerk.

YUBA CITY, Sutter Co., Cal.—City Eng. Edw. von Geldern preparing spec. to pave B St. bet. Plumas and Van Ness. Trustees petitioned to pave Orange and Olive and Chestnut and Walnut Sts., north of Forbes.

LIVERMORE, Alameda Co., Cal.—Until June 5, 8 p.m., bids will be rec. by Elmer G. Still, town clerk to clean septic tank. L. E. Wright, town eng.

MARYSVILLE, Yuba Co., Cal.—City Council authorizes Eng. Earle L. Cope, 58 Sutter St., San Francisco, to prepare spec. to repair Marysville approach to Feather River bridge.

POMONA, Cal.—Until 2 p.m., June 1, bids will be rec. by City Eng. F. C. Froehde for sewer pipe, approx. 2857 ft. 8-in.; 945 ft. 4-in.; 53 8x4-in. wyes.

WALLA WALLA, Wash.—Eng. E. B. Hussey, Alaska Bldg., Seattle, completes spec. for Div. 2 of water works extension; approx. cost $140,000. will incl. const. of 4 mi. 20-in. pipe line and gravity type dam 100 ft. wide and 16 ft. high, telephone pole line and wagon road.

HUNTINGTON PARK, Cal.—Until 5 p.m., June 5, bids will be rec. by City Clerk H. H. Hunter, for laying approx. 15,855 ft. water mains in connection with distributing system of the municipal water works, incl. excav. and backfilling of trenches. Spec. on file with clerk. Cert. check or bond 10%.

SACRAMENTO, Cal.—Cost of const. 2 8-ft. strips of concrete road from Greenback Lane north to Auburn road in Folsom District, approx. 5926 ft., would cost $24,960, according to estimates submitted to Supervisors by County Surv. Drury Butler. Cost considered too high and plans ordered for 2 7-ft. strips.

PORTLAND, Ore.—Until May 31, 10 a.m., bids will be rec. by State Highway Comm., Court House, for highway projects; grading, macadam and paving, as follows:

Clackamas County: Pacific Highway, Bolton-Oregon City, 6.3 mi. grading and paving.

Coos County: Coos Bay-Roseburg Highway, Myrtle Point-Camas Valley Sec., Unit 1 (Myrtle Point-Bridge), 11.8 mi. rock surfacing, 25,500 cu. yds. surfacing.

Gilliam County: Oregon-Washington Highway, Heppner Junction-Morrow County line Sec., 9.6 mi. grading and surfacing, 72,000 cu. yds. excav., 22,000 cu. yds. surfacing.

Klamath County: The Dalles-California Highway, Merrill Sec., 2.6 mi. grading and surfacing, 18,000 cu. yds. excav., 5,850 cu. yds. surfacing.

Tillamook County: Roosevelt Coast Highway, Hebo-Neskowin Sec., 13 mi. grading and rock surfacing, (113,000 cu. yds. excav., 18,000 cu. yds. surfacing.

Umatilla County: Old Oregon Trail, Deadman's Pass-Kamela Sec., 13.5 mi. grading and surfacing, 100,000 cu. yds. excavation, 28,000 cu. yds. surfacing.

PITTSBURG, Contra Costa Co., Cal.—Until June 6, bids will be received by City Trustees to pave Railroad and Black Diamond avenues. Estimated cost, $35,000.

LOS ANGELES, Cal.—Until 11 A. M., June 5, bids will be received by the Supervisors to construct disintegrated granite pavement grading and incidental work on streets in Road Imp. Dist. No. 218. Pavement will be 20 ft. wide, 6-in. thick. Estimated contract price, $18,727.70. Work will require 9197 cu. yds. excavation, 13,838 sq. yds. shaping roadbed, 13,838 sq. yds. placing surface and 4612 tons disintegrated granite.

EUREKA, Humboldt Co., Cal.—Until June 13, 2 p.m., bids will be rec. by Fred M. Kay, county clerk, to scarify, grade and place Road-alite asphaltic cement on roadway of the Eel River bridge at Fernbridge, Road District No. 1. A. J. Logan, county surveyor.

MERCED, Merced Co., Cal.—Supervisors reject bids for improvements in first road district. New bids will be opened June 5. Low bids presented by Fred Hoffman Co. at approx. $274,000.

SACRAMENTO, Cal.—City Council, H. G. Denton, clerk, declares intention to improve following streets:

48th St. bet. Folsom Blvd. and S. P. right of way: Const. conc. curbs and gutters; c. i. gutter drains with 6-in. vit. manhole connections; reconst. manholes; extend 6-in. sewer services; 1-in. water main connections, grading and paving with 5½-in. asph. conc.

7th Ave bet. Sacramento Blvd. and San Carlos Way: Conc. curbs and gutters; c. i. gutter drains with 6-in. vit. manhole connections; 8-in. vit. sewers; conc. manholes; reconst. manholes; 1-in. water main connections; grading and paving with 5½-in. asph. conc.

San Miguel Way bet. D and H, and portions of D St. and San Antonio Way: Const. 6-in. vit. sewer and extend services from wye branches to curb; conc. manholes: c. i. gutter drains with 6-in. vit. sewer connections; D St.

Q St. bet. 2nd and 23rd: Excepting certain intersections, by grading.

Alley bet. H and I, 24th and 25th Sts.: Const. 130 lin ft. conc. curb wall; placing c. i. track drain with 6-in. vit. sewer connections; reconst. manhole: grading and paving with 5-in. hyd. conc.

10th St. bet. C and G: Reconst. catch basins and manholes; paving with 2-in. asph. conc; and H St. bet. 6th and 19th, excepting certain intersections, removing basalt blocks; const. conc. gutters; reconst. catch basins; paving with 2-in. asph. conc.

Madsen Ave. from sewer in Sacramento Blvd. to its west end, bu const. 6-in. vit. sewer; extending sewer services to property line; conc. manholes. Albert Givan, city eng.

STOCKTON, San Joaquin Co., Cal.—Chambers & DeGolyer, Oakland, at $5995 awarded contract by Council to const. in portions of North Center, Arcade and Geary Sts., 2248 lin. ft. 4-in. sewer incl., 103 4-in. curved branches, at 73c lin. ft.; 2330 lin. ft. 6-in. sewer and 102 4x6-in. wye branches at 89c lin. ft.; 9 4-ft manholes, $85 ea., and 5 4-ft manholes, $125 ea.

RICHMOND, Contra Costa Co., Cal.—L. L. Page, Richmond, awarded contract by council to improve 29th St., allowed to withdraw bid due to error in proceedings. New proceedings will be started.

NAPA, Napa Co., Cal.—Union Oil Co., at $14.60 ton, f.o.b. Napa, awarded contract by Council to fur. 1 carload of asphalt.

CALIFORNIA—Until June 19, 2 p.m., bids will be rec. by State Highway Comm., Forum Bldg., Sacramento, to grade and pave with Port. cement conc. 10.7 miles in Siskiyou County, bet. Upton and Shasta River. **See call for bids under official proposal section in this issue.**

MODESTO, Stanislaus Co., Cal.—County Surv. J. H. Hoskins, prep. spec. for conc. highways from Westley north to Stanislaus-San Joaquin boundary line and from Newman to Hill's Ferry.

VISALIA, Tulare Co., Cal.—City Eng. L. H. Gadsby completes spec. to improve W. Acequia St. and portions of S. Conyer St. (Res. of Int. 114), involv. [illegible] sq. ft. 4-in. asph. conc. base with 1½-in. Warrenite-bit. surface pavement; [illegible] cu. yds. grading; [illegible] lin. ft. conc. curb, 5942 lin. ft. conc. gutters; 571 lin. ft. culvert; 14 culvert manholes; 430 lin. ft. header boards; 10 catch basins, 300 sq. ft. alleys and 10 sidewalk approaches. L. H. Gadsby, city eng.

SAN JOSE, Santa Clara Co., Cal.—City Council, John A. Lynch, clerk, declares intention to improve 17th St. bet. Empire and Rosa by grading, paving with 3½-in. asph. conc. base with 1½-in. Warrenite-bit. surface, asph. conc. headers: conc. curbs and gutters; 8 br. catch basins with vit. pipe drains; art. stone walks. 1911 Act. Wm. Popp, city eng.

OAKLAND, Cal.—Oakland Paving Co., 5000 Broadway, Oakland, at approx. $91,525 awarded contract by council to improve Telegraph Ave. from north city limits to 52nd St. by grading, construction concr. curbs and gutters, paving with asph. conc., extending c. i. and concr. branch culverts, etc.

SALINAS, Monterey Co., Cal.—W. A. Dontanville, Hollister, awarded contr. by Council to improve following sts.:

Harvest St. bet, South Main and California: Grading, 3c; concrete curbs, 62c; 4-in. concrete pavement, 18½c. Total, $17,386.41.

San Luis St. bet. Main and Front Sts., grading, 3c; curbs, 62c; 5-in. concrete pavement, 2½c. Total, $15,186.11.

Winham St. bet. South Main and California, grading, 3c; curbs, 62c; 4-in. conc. pavement, 18½c. Total, $14,502.39.

SANTA MONICA, Cal.—J. D. Kneen Paving Co., Dudley Bldg., Santa Monica, awarded contr. by Council at $65,932.35 for paving 14th St. bet. Wilshire and Pico Blvds., involv. 284,278 sq. ft. grading at 3.4c ft.; 284,278 sq. ft. Warrenite-bit. paving on asph. conc. base at 19.3c ft.; 2608.5 ft. curb at 65c ft. Warren Constr. Co. bid $67,340.31.

LODI, San Joaquin Co., Cal.—Until June 5, 8 p.m., bids will be rec. by J. F. Blakely, city clerk, to improve Locust St. bet. Hutchins and Schroeder Tract by grading, const. hyd. conc. curbs and gutters, paving with 2½-in. asph, conc. base with 1½-in. Warrenite surface. L. F. Barzellotti, city eng.

SANTA MONICA, Cal.—Bids to const. curbs and walks and grading on 15th St. bet. Colorado and Utah Sts., rejected by City Council. John Morton, city eng.

REDONDO BEACH, Cal.—Until 8 p. m., June 5, bids will be rec. by trustees to improve Carnelian St. bet. Camino Real and North Helberta Ave. by grading, oiling and screening; const. 5-ft. conc. walks, gutters, curbs. Vrooman Act. Victor Stahell, city eng.

FLAGSTAFF, Ariz.—Council declares intention to improve Beaver St., Agassiz St., Verde St., Birch Ave., Dale Ave. and other streets, by paving with bitum. wearing surface on bitum.-conc. base, bitul. surface on bitum.-conc base, 6-in. conc., or 6½-in. macadam, constructing conc. curbs. Clarence T. Pulliam, clerk.

BAKERSFIELD, Kern Co., Cal.—Federal Const. Co., Call Bldg., San Francisco, at $25,862 awarded contract by council to improve Sumner St. (Street Dist. No. 79), involv. 118,918.8 sq. ft. grading, 82,328 sq. ft. 3½-in. asph. conc. base with 1½-in. Warrenite top pavement; 140 lin. ft. corru. culverts.

REDONDO BEACH, Cal.—E. L. Garretson & Son, 7083 Hawthorne Ave., Los Angeles, awarded contr. by trustees, at $76,602.37, for const. pavement, conc. walks, etc., on portions of the Strand involv. 50,000 sq. ft. 6-in. conc paving at 26c ft.; 37,000 sq. ft. 5-in conc. paving at 24c ft.; 14,155 sq. ft. 4-in. walk at 23c ft.; 3591 ft. Class A curb at 60c ft.; 2400 lin. ft. reinf. conc. walk with combined curb on each side of walk at $7 lin. ft.; 1600 ft. 2½-in. reinf. conc. walk on wood forms supported on 3 pile bents with 20-ft. centers at $13 ft.; 29 20-in. lighting standards at $275 each; 2 storm drains, $700 each, five sets conc. steps, $150 each; 6500 lin. ft. headers at 30c ft. Victor Stahell, city eng.

STOCKTON, San Joaquin Co., Cal.—Clark & Henery Const. Co., 38 S. Sutter St., Stockton, at $15,825 submits only bid to council to improve Yosemite Ave. bet. Church and Washington Sts. by grading, const. comb. conc. curbs, gutters and walks, and paving with 4-in. asph conc. base with 2-in. asph. conc. surface. W. B. Hogan, city eng.

SAN FRANCISCO.—City Eng. M. M. O'Shaughnessy completes spec. to improve Trumbull St. bet. Mission and Congdon Sts., est. cost $13,725, involv. 2000 cu. yds. cut; 2008 cu. yds. fill; 1733 lin. ft. conc. curbs; 712 sq. ft. art. stone walks; 27,085 sq. ft. asph. conc. pavement; 7 br. catch basins and 182 lin. ft. vit. pipe culvert.

SAN FRANCISCO.—A. J. Raisch, 46 Kearny St., at $71,873 awarded contract by Board of Pub. Wks. to improve Market St. bet. Mono and 24th, and at $8454 to improve Hearst Ave. bet. Baden and Congo.

E. J. Treacy, Call Bldg., at $8950 awarded contract to improve Girard St. bet. Olmstead and Mansell Sts.

H. Treacy, Call Bldg., at $119 to const. sidewalks in 32nd Ave. bet. Geary and Clement.

C. B. Eaton, 407 11th St., at $480 awarded contract to improve Joost Ave. bet. Acadia and San Jose Ave.

MARYSVILLE, Yuba Co. Cal.—Yuba County Chamber of Commerce will petition supervisors to improve 100 miles of primary roads in next two years. It is hoped to accomplish the work without resort to a bond issue. Leslie B. Crook, county surveyor.

SANTA CRUZ, Santa Cruz Co., Cal.—Until June 5, 1 p.m., bids will be rec. by H. H. Miller, county clerk, to improve Coast Road, Seaside Road District, by grading, regrading and repairing and putting in 2 conc. culverts, 1 at Wilder's Creek and another at Baldwin Creek, involv. 26,670 cu. yds. excav.; 550 lin. ft. corru. iron pipe; 25,700 lbs. reinf. steel and 265 cu. yds. Class A conc. structures. Lloyd Bowman, county surveyor

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RICHMOND, Contra Costa Co., Cal.—Contract awarded to L. L. Page to improve 29th St. bet. Cutting and Potrero Sts., withdrawn by city council and new proceedings started. Project involv. 972.95 cu. yds. excav.; 234.82 cu. yds. fill; 30,630 sq. ft. asph. conc. pavement; 8235 sq. ft. walks; 2277 sq. ft. gutter; 2322 lin. ft. curb; 29 lin. ft. curb bar; 20 lin ft. corru. culvert. Wingwalls and portals to be incl. in cost of culverts. Protests June 12. H. D. Chapman, city eng.

LODI, San Joaquin Co., Cal.—City Trustees contemplate const. of septic tank costing $75,000. Prel. plans and estimates were submitted at recent meeting.

CARSON CITY, Nevada.—Until June 14, 2p.m., bids will be rec. by State Highway Comm. to const. portion of state highway system in Churchill County bet. 1½ mi. west to 3½ mi. east of Frenchman's, consisting of grading, const. culverts and placing gravel surface. Geo. W. Borden, State highway eng. **See call for bids under official proposal section in this issue.**

NAPA, Napa Co., Cal.—City Council H. H. Thompson, clerk, declares intention to improve Cross St. bet. Pine and Oak, by grading, const. conc. curbs and gutters, paving with 2-course asph. macadam, 42-ft wide; conc. catch basin. 1911 Act. Protests June 12. H. A. Harrold, city eng.

SANTA BARBARA, Cal.—A. L. Pendola, Santa Barbara, awarded contract by city council at $5103.78 for paving East Canyon Perdido Street, between State and Anacapa Streets. The unit prices were: 25c sq. ft. paving with 5-in. concrete base and 1½-in. asphalt concrete wearing surface, 75c ft. curb, 26c sq. ft. concrete gutter, 20c sq. ft. walk, $115 sewers complete, $30 per lateral side connection, $50 manhole complete.

CALIFORNIA.—Nevada Const. Co., Fallon, Nevada, at $121,173 awarded contract by State Highway Comm. to grade 5.8 mi. in **Tulare County** bet. Three Rivers and Sequoia Natl. Park.

Kaiser Paving Co., 1st Natl. Bank Bldg., Oakland, at $380,322 awarded contract to pave with bituminized macadam 17.2 mil. in **Kern County** bet. Junction Pumping Station and Hart.

Federal Construction Co., Call Bldg., San Francisco, at $59,466 awarded contract to surface with asph. conc. 10.9 mi. in **Kern County** bet. Secs. 29 and 30.

MERCED, Merced Co., Cal.—Until 3 p. m., June 5, bids will be received by Supervisors to pave with asphalt macadam, 22.5 miles highway in Road District Imp. No. 1, Merced Co., involving 50,000 tons rock, 7500 tons screenings, and 6500 bbls. asph. grading will consist of shaping subgrade. Estimated cost, $249,832. Fred Hoffman, 1034 Shattuck Avenue, Berkeley, submitted low bid to supervisors May 22, at $274,000 for this work. Other bids were: California Construction Co., San Francisco, $276,000. Standard Industrial Engr. Corp., San Francisco, $286,000. All bids were rejected as too high and the work ordered readvertised.

PORTLAND, Ore.—Dunn and Baker, Portland, at $78,336 submits low bid to District Eng., U. S. Bureau of Public Roads, to gravel Sisters Section of McKenzie river highway. Recommendation made to Washington to award contract.

BAKERSFIELD, Kern Co., Cal.— Until 10 a. m., June 5, bids will be received by supervisors, for constructing concrete pavement on county road lying west of city of Taft, in Rd. Dist. No. 4. Work includes 1580 cu. yds. excav., 300 cu. yds. earth-borrow, 19,103 sq. ft. 6-in. concrete pavement, 57,601 sq. ft. 8-in. concrete pavement. Plans and specification may be obtained at office of Paul E. Kressly, cons. engr., 732. H. W. Hellman Building, Los Angeles. Cert. chk. or bond, 10%. E. E. Smith, county clerk.

MARTINEZ, Contra Costa Co., Cal.—Until June 5, 8 p.m., bids will be rec. by C. E. Daley, city clerk, to improve portions of Main, East Main, Ward, Thompson, Mellus, Willow, Highland Ave. and Huntington Court, etc., by grading and paving, const. corru. metal culverts, conc. curbs and gutters, br. and cem. catch basins; 4, 6 and 8-in. sewers. Various types of pavement are included in the work: waterbound macadam; conc. and asph. conc. base with Warrenite-bitul. surface. 1911 Act and Bond Act 1915. B. H. Greene, city eng.

SANTA BARBARA, Cal.—City council has granted petitions for improving Carrillo Street, between Santa Barbara and Canal Streets and Micheltorena street, between San Andreas and Gillepsie streets. Plans for grading and constructing gutters on Gutierrez street in the 1100 block were ordered. Other work for which plans are being prepared are:

Prospect avenue, Valerio west; 4-in. concrete pavement, curbs, sewer connections and incidentals. Cost about $8000.

Pedregosa, Grand and Bonita avenues; concrete paving, curbs, sewers, walls, drains. Cost about $45,000.

Anapamu, Santa Barbara to Milpas, concrete base with asphalt concrete surface; curbs, gutters and drains. Will cost about $45,000.

Castillo street, from Victoria to Arrellaga; Arrellaga, from Bath to Castillo, concrete base and asphalt concrete surface, with curbs and gutters. Will cost about $35,000.

Gutierrez street, from Milpas to Around-the-City Boulevard, and Ellzabeth street from Montecito to Gutierrez, concrete base and asphalt concrete surface, curbs and gutters. Cost about $35,000.

BERKELEY, Alameda Co., Cal.—Until June 9, 10 a. m., bids will be received by E. M. Hann, city clerk, to construct 6-in. vit. sewer in Hearst avenue, from manhole in place about 61-ft. west of Sacramento street, point 1-ft. east of west line of Sacramento street, thence north in Sacramento street, 300-ft., 1 br. manhole and lamphole. 1911 Act. C. L. Huggins, city engineer.

TUCSON, Ariz.—City council declares intention to improve Toole avenue and Driscoll and Alameda Streets.

VALLEJO, Solano Co., Cal.—Crane Co., 2nd and Brannan streets, San Francisco, at $21,000 awarded contract to furnish 12-in. water main for installation of auxiliary water system from Napa Junction to Suscol wells.

WATSONVILLE, Santa Cruz Co., Cal. Until June 6, 8 a. m., bids will be received by M. M. Swisher, city clerk, to improve California street, between Sudden and Lincoln streets, by grading, macadamized and oil with asphaltic oil, construction concrete curbs and gutters. H. B. Kitchen, city engineer.

SACRAMENTO, Cal.—City Comm. award street work contracts as follows:

McGillivray Const. Co., Capitol National Bank Bldg., Sacramento, to improve 51st St. bet. Folsom Blvd. and V St., and U St. bet. 48th and 51st, by const. conc. curbs and gutters, c. i. gutter drains with 6-in. vit. sewer connections, conc. manholes; reconst. manholes; 8-in. vit. sewers; grading and paving with 5½-in. asph. conc.

Clark & Henery to improve 42nd St. bet. E and H St., by const. conc. curbs and gutters; c. i. gutter drains with 6-in. vit sewer connection; const. conc. manholes; reconst. manholes; extending 6-in. vit. sewer service connection; 8-in. vit. sewer; ¾-in. water main connections; grading and paving with 5½-in. asph. conc.

Clark & Henery to improve 44th St. bet. 4th and 14th Aves., by const. conc. curbs and gutters; c. i. gutter drains with 6-in. vit. sewer connections; conc. manholes; reconst. manholes; extend 6-in. vit. sewer services; const. 8-in. vit. sewer stubs to property line and connect manholes with 10-in. vit. pipe; ¾-in. water main connections; grading and paving with 5½-in. asph. conc.

Clark & Henery to improve Downey Way bet. 39th St. and pt. 400 ft. east, const. conc. curbs and gutters; install ¾-in. water connections; grading and paving with 5½-in. asph. conc.

J. W. Terrell, 11111 29th St., Sacramento, to improve 41st St. bet. 8th Ave and pt. 450 ft. south by const. vit. sewer with 12 6-in. wye branches; 6-in. vit. sewer pipe services; 1 conc. manhole.

SAN PABLO, Contra Costa Co., Cal.—San Pablo Sanitary District, R. V. March, secty., declares intention to const. 6-in. lateral sewers in Church, Willow, Hyde, Taylor, Mason, Powell, Stockton, 7th and 6th Sts., bet. Dover and north boundary of district; in 5th, Freeman, Elizabeth and Tyler Sts. bet. Dover and north boundary of Richmond Pullman Pueblo tract No. 2; 8-in. vit. sewers in Stockton St. bet. Dover and north boundary of San Pablo San. Dist.; br. and conc. manholes, etc. Protests will be heard June 8. Ross L. Calfee, 221 S. 22nd St., Richmond, eng. for district.

VENTURA, Cal.—R. F. Ware, 2126 E. 38th St., Los Angeles, submitted low bid to supervisors at $20,037 for pumping plant, reservoir and distributing system at town of Moorpark. The work involves 1 Pomona pump and motor; 1 pump house; 550 ft. 6-in. riveted steel pipe; 3700 ft. 5-in., 1800 ft. 4-in., 5050 ft. 3-in., 3410 ft. 2-in., 1110 ft. 1½-in. and 4000 ft. ¾-in. screw pipe; 1 reinf. conc. reservoir; 150 services; 150 meters; 12 fire hydrants; four 5-in., one 4-in., seven 3-in., five 2-in and one 1½-in. gate valves. Bid taken under advisement, pending receipt of money for work from bond house. Other bids were: Chas. B. Frisbie, $22,277; Phillips Constr. Co., $22,886; Wattson & Hunter, $24,489; Thos. Haverty Co., $25,673; Claude Fisher, $27,817; Prendergrast Constr. Co., $30,524.

ALHAMBRA, Cal.—Council declares intention to extend water mains as follows: 4-in. water mains in Orange St. bet. lots 44 and 47, Koenig tract; also 4-in. water mains in S. Almansor St. bet. alley north of Mission Rd. and Mission Rd., Alhambra.

MARYSVILLE, Yuba Co., Cal.—Highway Committee of Yuba County Chamber of Commerce recommend that proposed bond issue to build paved highways be delayed at this time, and that instead a direct tax levy of 50 cents be imposed to raise funds to grade, drain and gravel the primary roads of the county. It was pointed out by the committee that $850,000 is the building limit of the county; this would provide 40 miles of paved highway, not enough to satisfy the various districts, and that by a direct tax $85,000 could be raised this year in which to improve 100 miles of highway, to be followed by a campaign of road improvement next year. The plan is to improve 50 miles of road on either side of the Yuba River and to do the work in such manner that when the time comes to pave the foundation work will have been laid.

SAN JOSE, Santa Clara Co., Cal.—Until June 5, 8 p.m., bids will be rec. by John J. Lynch, city clerk, to improve 4th St. bet. Santa Clara and St. John by grading, paving with 5-in. cem. conc. base, with Warrenite-bit. surface.

Separate bids to improve 12th St. bet. Reed and Bestor and bet. Bestor and Keyes, by grading, paving with 3-in. asph. conc. base with 1½-in. Warrenite-bit. surface; conc. curbs, gutters and walks; 5 br. catch basins; 8-in. vit. pipe drains. 1911 Act and Bond Act 1915. Wm. Popp, city eng.

HERMOSA, Cal.—An election will be called shortly to vote on a bond issue of $500,000 for municipal improvements, including a municipal water distributing system. A complete hose system for fire dept. will also be installed.

ALHAMBRA, Cal.—Tropico Potteries, Glendale, awarded contr. by city trustees at $1310 for furnishing a quantity of various size vit. sewer pipe. Pacific Clay Products Co., Los Angeles, bid $1200.

TRACY, San Joaquin Co., Cal.—City Engineer W. D. Harrington completes specification to improve portions of 11th street, as follows:

Between Orient and East streets, involving 21,000 sq. ft grading; 26,880 sq. ft. paving; 457 cu. yds. excavation and 161 cu. yds. embankment; total cost $9,718.

Between West Park and city limits, involving 20,648 sq. ft. grading; 26,748 sq. ft. oil macadam paving; 522 cu. yds. excavation and 271 cu. yds. embankment, total cost $9,812.30.

Between East street, and West Park 63,663 sq. ft. grading; 124,570 sq. ft. and 40,989 sq. ft. intersection oil macadam paving; 7,622 ft. curb; 5,440 cu. yds excavation, total cost $79,261.

PRESCOTT, Ariz.—Morgan, Ford & Co., 218 O'Neil Bldg., Phoenix, awarded contr. at $23,616.75 to const. Lynx Creek section of the Whipple Barracks Federal aid project No. 36. Other bids: L. C. Lashmet, $24,614; Littlejohn & Co., $26,222.50; W. C. Braley, $27,027.50; Cashion-Caldwell, $27,887. Henry Galbraith, Jerome, Ariz., was awarded contr. at $27,800 to construct the Jerome Hill section.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

$1,000 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
2136	Ward	Berge	6900
2137	Martinelli	Olsen	5000
2138	Zellerbach	Owner	2000
2139	Burman	Owner	3000
2140	Lewis	Hansen	5000
2141	Trainer	Costello	5000
2142	Kroll	Grieb	11060
2143	Collins	Falvey	10000
2144	Ramazzotti	Owner	20000
2145	O'Neill	Owner	10000
2146	Reed	Reed	4000
2147	Hebrew	New S. F.	3940
2148	McPike	Johnson	16933
2149	Shelby	Sartorio	9850
2150	Sisk	Swanson	5265
2151	McCormick	Stockholm	19355
2152	Reily	Chase	735
2153	Case	Stevenson	5307
2154	Mittelstaedt	Zupar	5000
2155	Federal	Ne Page	93553
2156	Moren	Owner	8500
2157	Depew	Owner	3000
2158	Eyre	Taylor	1000
2159	Hammerson	Owner	2950
2160	Barbe	Owner	10000
2161	Glynn	Bienfield	5000
2162	S F News Co	Gilley	9643
2163	Shea	Ferroni	15000
2164	Anglo-London	S F	1510
2165	Same	Vermont	12684
2166	Same	American	48362
2167	Same	Lemoge	31900
2168	Foley	Hamill	13506
2169	Oyen	Owner	6000
2170	Weiss	Owner	2843
2171	Brumond	Mitchell	4700
2172	Schaadt	Owner	4000
2173	Turnell	S F Oven	1300
2174	Bell	Tedhunter	1583
2175	Gibbons	Henweiler	7509
2176	Pac. Emb.	Owner	30000
2177	Coghlan	Leiter	1000
2178	Cohen	Ingraham	10000
2179	Sosnick	Spargo	3760
2180	Collins	Falvey	1200
2181	Weilsch	Mission	8435
2182	Jann	Marsden	3700
2183	Bianchi	Owner	7000
2184	Bothin	Cahill	4500
2185	Janssen	Owner	7000
2186	Schleicher	Swenson	1800
2187	Amsler	Knabershuk	4000
2188	Anderson	Owner	15000
2189	Seckler	Knabershuh	4000
2190	Koenig	Owner	12000
2191	Morris	Owner	4500
2192	Prevost	Hammersmith	3490
2193	Lang	Warden	4000
2194	Mueller	Watson	5785
2195	Coyne	Jenkins	1402
2196	Cohen	Ingraham	11950
2197	Parkside Rlty	Owner	4000
2198	Mayer	Adler	11000
2199	Spanner	Fennell	1490
2200	Holmann	Harper	30000
2201	Hyde	Owner	3000
2202	Alves	Nelson	5000
2203	Nelson	Owner	6000
2204	Nelson	Owner	3000
2205	Wreden	Owner	3500
2206	Stewart	Owner	1500
2207	Keelar	Kelly	3700
2208	Independent	Fennell	4900
2209	California	MacDonald	160000
2210	Lurie	—	17500
2211	Reddy	Gillogley	7900
2212	Schulken	Cress	8000
2213	Schmidt	Thorup	4000
2214	Wiseman	Meyer	2144
2215	[illegible]	Jenkins	3701
2216	Crocker	Scott	2250
2217	Stanton	Warden	5500
2218	McGlynn	Warden	4000
2219	Same	Same	4000
2220	Same	Same	4000
2221	Levin	Pasqualetti	24500
2222	Penzner	Owner	100000
2223	Keenan	Owner	4000
2224	Onyon	Owner	9000
2225	Heinminga	Owner	10000
2226	Crocker	Samuelson	7800
2227	United	Mullen	1500
2228	Pope	Leiter	8000
2229	McLean	McLean	4000
2230	Brennan	Owner	4000
2231	Mazzera	Owner	4000
2232	Lindeman	Lindeman	4000
2233	O'Connor	Mangels	10098
2234	Schulken	Cress	8380
2235	Hamburger	Coburn	10950
2236	Same	Fraser	1000
2237	Same	Klimm	1541
2238	McCarthy	Meyer	4500
2239	Tucker	Thulin	1645
2240	Ponzini	Martinelli	22200
2241	Kimball	Klahn	3776

DWELLING

(3136) S MAGELLAN 66 E Montalvo. Two-story and basement frame dwelling.
Owner—Edward Ward, 50 Ashbury St., San Francisco.
Architect—Harold Stoner, 1st National Bank Bldg., San Francisco.
Contractor — Julian Berge, 1234 30th Ave., San Francisco. $6900

FRAME CORRAL

(2137) N EVANS AVE 220 E Lane One-story frame corral.
Owner—Julius Martinelli, 1304 Evans Ave., San Francisco.
Architect—None.
Contractor—Chas. Olsen, 1237 Evans Ave., San Francisco. $5000

ALTERATIONS

(2138) SW GREEN AND SANSOME. Cement floor and plaster front.
Owner—Zellerbach Paper Co., Jackson and Battery Sts., San Francisco.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Day's work. $2000

DWELLING

(2139) N NEY 200 E Congdon. One-story and basement frame dwelling
Owner—E. P. Burman, 134 Surrey St., San Francisco.
Architect—None.
Day's work. $3000

FRAME FLATS

(2140) W TWELFTH AVE 175 S Geary. Two-story and basement frame (2) flats.
Owner—Aaron Lewis, 1605 Chronicle Bldg., San Francisco.
Architect—Morrow & Garren, 1605 Chronicle Bldg., S. F.
Contractor—P. Hansen, 1605 Chronicle Bldg., San Francisco. 5000

FRAME FLATS

(2141) S TWENTY-EIGHTH 300 E Dolores. Two-story and basement frame (2) flats.
Owner—John Trainer, 2580 Folsom St., San Francisco.
Architect—None.
Contractor—Costello Bros., 18 Ney St., San Francisco. $5000

FRAME FLATS

(2142) W VAN NESS AVE 112-6 S Bay Two-story and basement frame (2) flats
Owner—Mrs. Minnie Kroll, 1026 Greenwich St., San Francisco.
Architect—Milton W. Morrison, 716 41st Ave., San Francisco.
Contractor—Henry Grieb, 1020 Greenwich St., San Francisco. $11,000

RESIDENCE

(2143) W EIGHTEENTH AVE 100 N Lake. Two-story and basement frame residence.
Owner—J. J. Collins, 453 28th Ave., S. F.
Architect—A. J. Falvey, 2099 Lake St., San Francisco.
Contractor—A. J. Falvey, 2099 Lake St., San Francisco. $10,000

APARTMENTS

(2144) S GREEN 126 E Polk. Three-story and basement frame (10) apartments.
Owner—Ramazzotti & Ghiotti, 1475 Vallejo St. and 1363 Green St., S. F.
Architect—Morrow & Garren, 1605 Chronicle Bldg., San Francisco.
Day's work. $20,000

STORES & LOFTS

(2145) S MINNA 275 E Fourth. Two-story and basement brick stores and lofts.
Owner — D. J. O'Neill, 273 Minna St., San Francisco.
Architect—J. E. Krafft & Sons, Phelan Bldg., San Francisco.
Day's work. $10,000

DWELLING

(2146) E TWENTY-FOURTH AVE 285 S Cabrillo. One-story and basement frame dwelling.
Owner—F. Carroll Reed, 683 7th Ave., San Francisco.
Architect—John Bros., 1715 Waller St., San Francisco.
Contractor—Reed Bros., 683 7th Ave., San Francisco. $4000

IRON WORK

(2147) LAND BDED BY MISSION, Silver Ave. and Lisbon. Ornamental and miscellaneous iron work for building.
Owner—The Hebrew Home for Aged Disabled.
Architect—S. L. Hyman, Foxcroft Bldg., San Francisco.
Contractor—New San Francisco Wire & Iron Works.
Filed May 19, '22. Dated Apr. 28, '22.
Work ½ completed.....$1313
All completed and accepted.... 1313
Usual 35 days..... 1314
TOTAL COST, $3940
Bond, $1970. Surety, Fidelity & Deposit Co. of Maryland. Limit, as fast as required. Forfeit, none. Plans and specifications filed

FLATS

(2148) W FOURTEENTH AVE 266 S Balboa — 35xW 127-6. All work for two-story frame flats.
Owner—L. B. and Lila L. McPike, 1842 Page St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—Nels P. Johnson, 180 Jessie St., San Francisco.
Filed May 19, '22. Dated May 19, '22.
Frame up $4283
Brown coated 4233
Completed and accepted..... 4233
Usual 35 days..... 4234
TOTAL COST, $16,933
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed

STORE BLDG.
(2149) W GRANT AVE 107-6 N Bush N 30xW 68-9. All work except finish hardware for one-story and basement Class C store building.
Owner—Helen Shelby, 425 Kearny St., San Francisco.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.
Contractor—Chas. Sartorio, 180 Jessie St., San Francisco.
Filed May 19, '22. Dater May 3, '22.
Basement walls poured.....$2462.50
Brown coated 2462.50
Completed and accepted..... 2462.50
Usual 35 days..... 2462.50
TOTAL COST, $9850.00
Bond, $4925. Sureties, C. Bruchera and Stephen Guerin. Limit, 15 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(2150) E CHURCH 114 S Twenty-third S 25xE 100. All work for one-story frame residence.
Owner—N. E. Sisk, 153 Vicksburgh St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Ernest Swanson, 180 Jessie St., San Francisco.
Filed May 19, '22. Dated May 17, '22.
Rustic and roof sheathing on..$1316
Brown coated 1316
Completed and accepted..... 1316
Usual 35 days..... 1317
TOTAL COST, $5265
Bond, $2632.50. Sureties, Wm. Flody and Bragio Milano. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME BUILDING
(2151) NW PACIFIC AVE & STEINER W 34-4½xN 127-8¼. All work for two-story and basement frame building.
Owner—St. John E. and Josephine C. McCormick, 2031 Baker St., S. F.
Architect—Clarence A. Tantau, 251 Kearny St., San Francisco.
Contractor—Chas. Stockholm & Sons 180 Jessie St., San Francisco.
Filed May 19, '22. Dated May 11, '22.
1st floor joists in.....$4500.00
Rough plaster on..... 3500.00
Job completed 6516.25
Usual 35 days..... 4828.75
TOTAL COST, $19,355.00
Bond. $9677.59. Surety, New Amsterdam Casualty Co. Limit, 5 months. Forfeit, none. Plans and specifications filed.

CONCRETE WORK
(2152) NW FAIR OAKS & TWENTY-sixth 100x60, No. 222. Concrete work for buildings at 222-224-228 Bartlett St. to be moved.
Owner—Miss Mary C. and P. C. Reily, 476 Fair Oaks St., San Francisco
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor — S. A. Chase, 80 Douglas St., San Francisco.
Filed May 19, '22. Dated May 19, '22.
Completed $400
Usual 35 days..... 325
TOTAL COST, $735
Bond, none. Limit, 10 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(2153) E TENTH AVE 100 N Cabrillo N 25xE 120. All work for five-room frame residence.
Owner—Emma C. Case, 826 Buchanan St., San Francisco.
Architect—None.
Contractor—L. H. Stevenson, 45 Worth St., San Francisco.
Filed May 19, '22. Dated May 17, '22.
Frame up $1329
Brown coated 1326
Completed 1326
Usual 35 days..... 1326
TOTAL COST, $5307
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

COTTAGE
(2154) W TWENTY-FIRST AVE 60 S U. All work for five-room and basement frame cottage.
Owner — Oscar E. Mittelstaedt, 1187 Sanchez St., San Francisco.
Architect—None.
Contractor—Wm. G. Zupar, 1095 Mission St., San Francisco.
Filed May 19, '22. Dated Apr. 19, '22.
Roof on $1250
Brown coated 1250
Completed 1250
Usual 35 days..... 1250
TOTAL COST, $5000
Bond, limit, forfeit, none. Plans and specifications filed.

ELECTRIC WIRING
(2155) NW BATTERY AND SACRAMENTO W 275xN 119-6. Electric wiring for seven-story Class A building.
Owner—Federal Reserve Bank of S. F., Battery and Sacramento Sts., S. F.
Architect & Engineers—Geo. W. Kelham and Hunter & Hudson, Sharon Bldg., San Francisco.
Contractor — Ne Page-McKenny Co., 589 Howard St., San Francisco.
Filed May 19, '22. Dated May 12, '22.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $93,553
Bond, $46,777. Surety, United States Fidelity & Guaranty Co. Limit, forfeit, none. Plans and specifications filed.

FRAME FLATS
(2156) W EIGHTH AVE 325 N Fulton. Two-story and basement frame (2) flats.
Owner — Anna C. Moren, 125 Falcon Ave., San Francisco.
Architect—None.
Day's work. $8500

RESIDENCE
(2157) W FAXON AVE 300 S De Montford. One-story and basement frame residence.
Owner—Wm. H. Depew, 3710 Sacramento St., San Francisco.
Architect—None.
Day's work. $3000

GARAGE
(2158) NO. 2112 PACIFIC AVE. One-story frame private garage.
Owner—E. L. Eyre, 465 California St., San Francisco.
Architect—Howard & White, Lick Bldg., San Francisco.
Contractor — Taylor & Goericke, 220 Sharon Bldg., S. F. $1000

DWELLING
(2159) N PALOU 107-6 E Lane. One-story and basement frame dwelling
Owner—P. Hammerson, 1224 Mendell St., San Francisco.
Plans by Owner.
Day's work. $2950

FRAME FLATS
(2160) N PACIFIC AVE 41 W Larkin Two-story and basement frame (2) flats.
Owner—J. Barbe and wife, 1537 Pacific Ave., San Francisco.
Architect—Wm. F. Gunnison, 1666 Golden Gate Ave., San Francisco.
Not let yet. $10,000

FRAME DWELLING
(2161) W TWENTY-SEVENTH AVE 100 S Irving. Two-story and basement frame dwelling.
Owner—Edward C Glynn, 2937 16th St., San Francisco.
Architect—Edw. Young, 251 Kearny St., San Francisco.
Contractor—D. L. Bienfield, 1405 Clement St., San Francisco. $5000

PLUMBING, ETC.
(2162) N HOWARD ST. at Hawthorne. Sewering, plumbing, steam heating, domestic hot water system and boiler plant with oil burners for building.
Owner—The San Francisco News Co., 747 Howard St., San Francisco.
Architect — N. W. Sexton, Chronicle Bldg., San Francisco.
Contractor—Gilley-Schmid Co., Inc., 198 Otis St., San Francisco.
Filed May 20, '22. Dated May 19, '22.
On 1st of each month..... 75%
Usual 35 days .....Balance
TOTAL COST, $9643
Bond, none. Limit, Aug. 15. Forfeit, none. Plans and specifications filed.

FRAME BUILDING
(2163) W MISSION 50 — Bosworth S 30 W 79-11½ NE 42.5 E 49.11¾ Concrete, grading, carpenter, mill, lath and plaster for three-story frame building.
Owner—Anges Shea, 770 5th Ave., San Francisco.
Architect—Jno. J. Foley, 770 5th Ave., San Francisco.
Contractor — G. Ferroni & Sons, 1926 Filbert St., San Francisco.
Filed May 20, '22. Dated May 10, '22.
Frame up $3750
Brown coated 3750
Completed and accepted..... 3750
Usual 35 days..... 3750
TOTAL COST, $15,000
Bond, $7500. Sureties, Angelo Benedetti and Pilade Carmignani. Limit, 90 days. Forfeit, none. Plans and specifications filed.

CLEANING SYSTEM
(2164) W SANSOME 46-10⅞ N Sutter N 91-6xW 122-9. Vacuum cleaning system for one-story Class A bank building.
Owner—Anglo & London Paris Nat'l. Bank of San Francisco. Market & Sansome Sts., San Francisco.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—San Francisco Compressed Air Cleaning Co., 535 Sutter St., San Francisco.
Filed May 20, '22. Dated Apr. 27, '22.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $1510
Bond, $755. Surety, London & Lancashire Indemnity Co. Limit, as required. Forfeit, none. Plans and specifications filed.

(2165) INTERIOR MARBLE AND terrazzo work, except for banking room, entrance lobby, stairs to safe on above.
Contractor—Vermont Marble Co., 244 Brannan St., San Francisco.
Filed May 20, '22. Dated Apr. 18, '22.
Payments same as above.....
TOTAL COST, $12,684
Bond, $6342. Surety, Globe Indemnity Co. Limit, as required. Forfeit, none. Plans and specifications filed.

(2166) MARBLE WORK ON ABOVE.
Contractor—American Marble & Mosaic Co., 25 Columbia Square, S. F.
Filed May 20, '22. Dated May 10, '22.
Payments same as above.....
TOTAL COST, $48,362
Bond, $24,181. Surety, London & Lancashire Indemnity Co. of America. Limit, 30 days. Forfeit, none. Plans and specifications filed.

(2167) ELECTRIC WORK ON ABOVE.
Contractor — Victor Lemoge, 281 Natoma St., San Francisco.
Filed May 20, '22. Dated Apr. 26, '22.
Payments same as above.....
TOTAL COST, Cost plus 10%; construction not to exceed, $31,900.
Bond, $15,950. Surety, Fidelity & Deposit Co. of Maryland. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

FRAME FLATS
(2168) S FULTON 106-3 E Cole 25x 112-6. Grading, concrete, carpenter, mill, lath, plaster and roofing for two-story frame flats.

Owner—Mary E. Foley, 770 5th Ave., San Francisco.
Architect—Jno. J. Foley, 770 5th Ave., San Francisco.
Contractor—Thos. Hamill, 6140 Geary St. San Francisco.
Filed May 20, '22. Dated May 12, '22.
Frame up $3375
Brown coated 3375
Completed and accepted 3375
Usual 35 days 3375
TOTAL COST, $13,500
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS
(2169) N CALIFORNIA 45 W Ninth Ave. Two- story and basement frame (2) flats.
Owner—O. M. Oyen, 67 Carmel St., San Francisco.
Architect—None.
Day's work. $6000

FRAME FLATS
(2170) E FORTY-EIGHTH AVE. bet Moraga and Noriega. Two-story and basement frame (2) flats.
Owner—Herman Weiss, 1689 47th Ave., San Francisco.
Architect—None.
Day's work. $2842

ALTERATIONS
(2171) NO. 1309 FORTY-EIGHTH AVE. Alterations and minor additions for drug store and residence.
Owner—J. Brumond, Premises.
Architect—None.
Contractor—J. L. Mitchell, 1794 Page St., San Francisco. $4700

DWELLINGS
(2172) E HOWTH 50 and 75 N Geneva. Two one-story and basement frame dwellings.
Owner—R. M. Schaadt, 31 Howth St., San Francisco.
Architect—None.
Day's work. $2900 each

BAKE OVEN
(2173) NO. 2645 MISSION. Construct oven in bakery.
Owner—H. N. Turnell, Premises.
Plans by Contractor.
Contractor—S. F. Oven Co. 1265 Eddy St., San Francisco. $1300

ALTERATIONS
(2174) NO. 745-749 POLK. Change store front; concrete floor, fireproof walls and ceilings; remove mezzanine floor and install doors for apartments and stores.
Owner—Mrs. Teresa Bell, 709 Market St., San Francisco.
Architect—None
Contractor — Geo. C. Todhunter, 1088 Ashbury St., San Francisco. $1583

RESIDENCE
(2175) LOT 20 BLK 11, St. Francis Wood. Two-story and basement frame residence.
Owner—Chas. P. Gibbons Jr., 32 Montgomery St., San Francisco.
Architect—Harold Stoner, 1st National Bank Bldg., San Francisco.
Contractor — T. J. Honweiler, 830 Prague St., S. F. $7500

STORES
(2176) SE ELLIS AND LEAVENworth. One-story reinforced concrete stores.
Owner—Pacific Embroidery Co, Room 711, 110 Sutter St., San Francisco.
Architect—Albert W. Burgren, 110 Sutter St., San Francisco.
Day's work. $30,000

ALTERATIONS
(2177) NO. 2813 SCOTT. Alter for private garage; concrete flooring, brick walls, etc.
Owner—John P. Coghlan, 1713 Green St., San Francisco.
Architect — E. A. Mathews, 412 Call Bldg., San Francisco.
Contractor — E. T. Leiter & Son, 407 Call Bldg., San Francisco. $1000

FRAME FLATS
(2178) E TWENTY-SECOND AVE 100 S Lake. Two-story and basement frame (2) flats.
Owner—Julia M. Cohen, % Architect
Architect—Arthur G. Scholz, 839 Phelan Bldg., San Francisco.
Contractor—M. C. Ingraham, 765 Fell St., San Francisco. $10,000

CONCRETE WORK, ETC
(2179) S McALLISTER 78 E Webster E 59-6xS 137-6. Concrete work, cement work, reinforce steel work for building.
Owner—A. G. and J. Sosnick, % Architect.
Architect—Mel I. Schwartz, Nevada Bk. Bldg., San Francisco.
Contractor—J. Spargo, 240 Montgomery St., San Francisco.
Filed May 22, '22. Dated May 17, '22.
Concrete work and reinforced steel below street line poured. $1880
Completed 940
Usual 35 days 940
TOTAL COST, $3760
Bond, none. Limit, 21 days after notified. Forfeit, plans and specifications, none.

FRAME BUILDING
(2180) W EIGHTEENTH AVE 100 N Lake. All work except electric fixtures and wall paper for two-story frame building.
Owner—J. J. and Beatrice Collins, 453 28th Ave., San Francisco.
Architect—None.
Contractor—A. J. Falvey, 2099 Lake St., San Francisco.
Filed May 22, '22. Dated May 19, '22.
Roof on $2100
Plastered 2100
Standing finish on 2100
Completed and accepted 2100
Usual 35 days 2800
TOTAL COST, $11,200
Bond, limit, forfeit, none. Plans and specifications filed.

LOFT BLDG.
(2181) NE CLEMENT & ELEVENTH Ave E 80xN 50. All work except glass, metal store front, sash, tile work, plaster and electrical work for one-story loft building.
Owner—Ida Welisch and Samuel Blum, % Architect.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Contractor—Mission Concrete Co., Call Bldg., San Francisco.
Filed May 22, '22. Dated May 16, '22.
Every 30 days 75%
Usual 35 days 25%
TOTAL COST, $8453
Bond, $4250. Surety, American Indemnity Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(2182) NO. 619 CLAYTON STREET. Rearrange two flats for four apartments. Alter for basement garage.
Owner—Mrs. C. Jann, 619 Clayton St., San Francisco.
Architect—None.
Contractor—J. W. Marsden, 507 Cole St., San Francisco. $3700

FLATS
(2183) W GUERRERO 195 S 18TH. Three-story and basement frame (2) flats
Owner—P. Bianchi and A. and M. Canenga, 55 Oakwood St., San Francisco.
Architect—Paul F. DeMartini, 946 Broadway.
Day's Work. $7500

FACTORY.
(2184) S NATOMA 190 W FIRST. One-story reinforced concrete factory.
Owner—Bothin Real Estate Co., 26 Montgomery St., San Francisco.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Contractor—Cahill Bros., 110 Sutter St., San Francisco. $4500

DWELLINGS.
(2185) W 19TH AVE, 50 AND 75 S Cabrillo. Two 1-story and base-frame dwellings.
Owner—E. A. Janssen, 402 Hearst Bldg., San Francisco.
Architect—None.
Day's Work. $3500 each

REPAIRS
(2186) NO. 1124 O'FARRELL. Repair fire damage to apartments.
Owner—A. F. Schleicher, 800 Geary St., San Francisco.
Architect—None.
Contractor—Swenson & Franzen, 145 Natoma St., San Francisco. $1800

DWELLING
(2187) E SHOTWELL 110 S Fourteenth. One-story and basement frame dwelling.
Owner—Chas. S. Amsler, 25 Shotwell St., San Francisco.
Plans by Owner.
Contractor — Knabershuh & Morrison, 180 Jessie St., S. F. $4000

FRAME FLATS
(2188) E TWENTIETH AVE 175 and 200 N Fulton. Two two-story and basement frame (2) flats.
Owner—P. G. Anderson, 114 Stillman St., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Day's work. $7500 each

DWELLING
(2189) W TWENTY-FIFTH AVE 225 N Cabrillo. One-story and basement frame dwelling.
Owner—Theo Van Secklen, 110 Sutter St., San Francisco.
Architect—Wm. F. Yates, 110 Sutter St., San Francisco.
Contractor — Knabershuh & Morrison, 180 Jessie St., S. F. $4000

FRAME FLATS
(2190) SW ANZA AND FIFTH AVE. Two-story and basement frame (4) flats.
Owner—Chas. J. U. Koenig, 520 Church St., San Francisco.
Architect—Wm. Koenig, 520 Church St., San Francisco.
Day's work. $12,000

DWELLING
(2191) E TWENTIETH AVE 250 N Cabrillo. One-story and basement frame dwelling.
Owner—A. T. Morris, 501 11th Ave., San Francisco.
Architect—None.
Day's work. $4500

FRAME BUILDING
(2192) NW INGALLS AND SHAFTER Ave SE 100xNE 75 Lot 1 Blk 389 S. S. F. Ha. and R. R. Assn. All work for one-story and basement frame building.
Owner—Geo. A. and Laura A. Prevost 1643 Oakdale Ave., San Francisco.
Architect—None.
Contractor—Madden Hammersmith Development Co., 530 Pacific Bldg., San Francisco.
Filed May 23, '22. Dated May 9, '22.
Frame up $872.50
1st coat plaster on 872.50
Completed 872.50
Usual 35 days 872.50
TOTAL COST, $3490.00
Bond, none. Limit, 65 days. Forfeit, none. Plans and specifications filed

RESIDENCE
(2193) S CARMEL 208-10¾ E Cole E 25 S 131-9 W 14-3¾ SW 12-9⅜ N 139-8⅜. All work for one-story and basement residence.
Owner—R. A. and F. A. Lang, 4 Twin Peaks Blvd., San Francisco.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—Fred Warden, 68 Concord St., San Francisco.
Filed May 23, '22. Dated May 19, '22.
Completed $1250
1st coat plaster on..... 875
Completed and accepted..... 875
Usual 35 days..... 1000
TOTAL COST, $4000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME BUILDING
(2194) E ELEVENTH AVE 200 S Clement E 120xS 25. All work except painting, shades, light fixtures and finish hardware for one-story and basement frame building.
Owner—Frank and Irene A. Mueller, 265 Central Ave., San Francisco.
Architect—E. A. Neumarkel 544 Market St., San Francisco.
Contractor—G. E. Watson, 280 17th Av., San Francisco.
Filed May 23, '22. Dated May 22, '22.
Frame up $1425
Brown coated 1430
Completed and accepted..... 1430
Usual 35 days..... 1500
TOTAL COST, $5785
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

ALTERATIONS
(2195) SE PARK HILL AVE No. 123 and 125 Park Hill Ave. All work for alterations and additions to two story and basement frame residence.
Owner—Thos. and Mary Coyne, 125 Park Hill Ave., San Francisco.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—J. A. Jenkins, 224 Falcon Ave., San Francisco.
Filed May 23, '22. Dated Apr. 2, '22.
Building moved back and enclosed $700
Completed and accepted..... 702
TOTAL COST, $1402
Bond, $702. Sureties, Gesina Jenkins and J. F. Hamann. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS
(2196) E TWENTY-SECOND AVE. 100 S Lake. All work except finishing hardware, electric lighting fixtures and window shades for two-story and basement frame flat building.
Owner—Julia M. Cohen, 258 Parker Ave., San Francisco.
Architect — Arthur G. Scholz, Phelan Bldg., San Francisco.
Contractor—M. C. Ingraham, 450 Duboce St., San Francisco.
Filed May 23, '22. Dated May 20, '22.
Ready for roofing.....$2987.50
Brown coated 2987.50
Completed and accepted..... 2987.50
Usual 35 days..... 2987.50
TOTAL COST, $11,950.00
Bond, $6000. Sureties, J. C. Moore and J. C. Moore Jr. Limit, 90 days. Forfent, $8. Plans and specifications filed.

DWELLING
(2197) E TWENTY-EIGHTH AVE 125 S Taraval. One-story and basement frame dwelling.
Owner—Parkside Realty Co., Crocker Bldg., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Day's work. $4000

APARTMENT FLATS
(2198) S ANZA 57-6 E Twenty-second Ave. Two-story and basement frame flats.
Owner—H. A. Meyer, 485 22nd Ave., San Francisco.
Architect—K. Adler, 493 22nd Ave., San Francisco.
Contractor—K. Adler, 493 22nd Ave., San Francisco. $11,000

UNDERPIN BLDG.
(2199) NO. 714 DOLORES. Underepin three-story frame building with 17-in. brick wall.
Owner—J. H. Spanner, 321 Valencia St., San Francisco.
Architect—None.
Contractor — Fennell & Chisholm, 180 Jessie St., San Francisco. $1496

FRAME FLATS
(2200) S FIFTEENTH 150 E Castro. Two-story and basement frame (2) flats.
Owner—A. L. and J. G. Hofmann, 2245 15th St., San Francisco.
Architect—None.
Contractor—Wm. Harper, 271 7th Ave., San Francisco. $10,000

ALTERATIONS
(2201) NO. 1101 FILBERT. Remodel residence into apartments.
Owner—Geo. Hyde, % Architect.
Architect—Grace Jewett, 57 Post St., San Francisco.
Day's work. $3000

FRAME DWELLING
(2202) SW FAXON AVE AND WILDwood Way. One-story and basement frame dwelling.
Owner—H. L. Alves, 1041 Leavenworth St., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor — Nelson Bros., 1375 Plymouth Ave., San Francisco. $5000

DWELLINGS
(2203) E PLYMOUTH AVE 213 and 243 S San Ramon. Two one-story and basement frame dwellings.
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Day's work. $3000 each

DWELLING
(2204) W WESTWOOD DRIVE 105 S Wildwood. One-story and basement frame dwelling.
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Day's work. $3000

DWELLING
(2205) E LAGUNA 75 N Green. One-story and basement frame dwlg.
Owner—C. Wreden, NE Laguna and Green Sts., San Francisco.
Architect—L. M. Weismann, 1951 Market St., San Francisco.
Day's work. $3500

DWELLING
(2206) S REVERE AVE 75 W Hawes. One-story and basement frame dwelling.
Owner — A. L. Stewart, 1258 Revere Ave., San Francisco.
Architect—None.
Day's work. $1500

RESIDENCE
(2207) E TWENTY-EIGHTH AVE 225 N Geary. Two-story and basement frame residence.
Owner—Chas. F. Keslar, 3826-A 22nd St., San Francisco.
Architect — Powers & Ahuden, 460 Montgomery St., San Francisco.
Contractor—R. E. Kelly, 168 Hancock St., San Francisco. $3700

FOUNDATION
(2208) N SIXTEENTH 50 W Church. Foundation and steel work for bake oven.
Owner—Independent Cracker & Biscuit Co., 16th and Church St., S. F.
Architect—Arthur E. Burchall, Mills Bldg., San Francisco.
Contractor—Martin M. Fennell, 180 Jessie St., San Francisco. $4900

APARTMENTS
(2209) NE CALIFORNIA AND GOUGH Seven-story and basement (and sub-basement) reinforced concrete and brick Class C (7) apartments.
Owner—California & Gough Building Co., 801 Humboldt Bank Bldg., San Francisco.
Architect—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.
Contractor—MacDonald & Kahn, 139 Montgomery St., San Francisco. $160,000

MACHINE SHOP
(2210) S FOLSOM 225 E Sixth. One-story hollow tile machine shop.
Owner — Louis H. Lurie, Mills Bldg., San Francisco.
Architect—S. Heiman, 57 Post St., San Francisco.
Segregated Contracts . $17,500

STORE & FLAT
(2211) NW RAILROAD AVE 53-2¼ SE Palou. Two-story and basement frame store and flat.
Owner—Chas. F. Reddy, 1436 Railroad Ave., San Francisco.
Architect—None.
Contractor—J. N. Gillogley, 745 San Jose Ave., San Francisco. $7900

RESIDENCE
(2212) E SAN RAFAEL WAY 150 S Monterey Blvd. One-story and basement frame residence.
Owner—H. A. Schulken, 650 7th Ave., San Francisco.
Architect—Mel. I. Schwartz, Nevada Bk. Bldg., San Francisco.
Contractor—Cress & Trobock, 180 Jessie St., San Francisco. $8000

DWELLING
(2213) E THIRTY-SECOND AVE 150 N Geary. Two-story and basement frame dwelling.
Owner—J. Schmidt, 470 32nd Ave., San Francisco.
Designer—J. H. Thorup, 654 21st Ave., San Francisco.
Contractor—J. H. Thorup, 654 21st Ave., San Francisco. $4000

COTTAGES
(2214) W TWENTY-THIRD AVE 209 and 225 S Geary. All work for two six-room cottages.
Owner — Henry Wissmann, 2251 Clement St., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.
Filed May 24, '22. Dated May 22, '22.
Frame up $2285.87
Brown coated 2285.87
Completed 2285.88
Usual 35 days..... 2285.88
TOTAL COST, $9143.00
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

BUNGALOW
(2215) E UTAH 222-6 S Eighteenth. All work for one-story bungalow.
Owner—Mrs. Ethel Starbuck, 649 Utah St., San Francisco.
Architect—None.
Contractor—Jenkins & Grosse, 224 Falcon Ave., San Francisco.
Filed May 24, '22. Dated May 22, '22.
Frame up $926
Brown coated 926
Accepted 926
Usual 35 days..... 926
TOTAL COST, $3704
Bond, $1852. Sureties, Gesina Jenkins and J. F. Harmann. Limit, 45 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
(2216) W GUERRERO 141-9 S Market N 141-9 SW 149-10½ SE 122-3½. Steam heating for three-story apartment building.
Owner—Mary Ives Crocker, Insurance Exchange Bldg., San Francisco.
Architect — Nathaniel Blansdell, 255 California St., San Francisco.
Contractor—Scott Co., 243 Minna St., San Francisco.
Filed May 24, '22. Dated May 28, '22.
Roughed in $835
Completed and accepted..... 835
Usual 35 days..... 565
TOTAL COST, $2250
Bond, $1125. Sureties R. W. Van Pelt and Wm. Q Muther. Limit, forfeit, none. Plans and specifications filed.

RESIDENCE
(2217) N ALMA 117-6 E Stanyan N 100 E 37 m or l S 4° 50' E 100-7½ m or l W 30. All work for one-story and basement frame residence.
Owner—J. J. Stanton, 10 Sharon St., San Francisco.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—Fred Warden, 68 Concord St., San Francisco.
Filed May 24, '22. Dated May 18, '22.
Foundations in place.....$1200
Enclosed and roofed..... 800
Brown coated 1215
Completed and accepted..... 1375
TOTAL COST, $5500
Bond, none. Limit, 65 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(2218) E TWENTY-NINTH AVE 75 N Balboa N 25xE 82-6. All work for one-story and basement residence.
Owner—Cecilia McGlynn.
Architect — O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—Fred Warden, 68 Concord St., San Francisco.
Filed May 24, '22. Dated May 23, '22.
Building framed $1000
Interior plaster on..... 1000
Completed and accepted..... 1000
Usual 35 days..... 1000
TOTAL COST, $4000
Bond, $2000. Sureties, Chas. Monson & Albin Warden. Limit, 90 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(2219) E TWENTY-NINTH AVE 100 N Balboa N 25xE 120. All work for one-story and basement frame residence.
Owner—Cecilia McGlynn.
Architect — O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
gomery St., San Francisco.
Contractor—Fred Warden, 68 Concord St., San Francisco.
Filed May 24, '22. Dated May 23, '22.
Building framed $1000
Interior plaster on..... 1000
Completed and accepted..... 1000
Usual 35 days..... 1000
TOTAL COST, $4000
Bond, $2000. Sureties, Chas. Monson & Albin Warden. Limit, 90 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(2220) E TWENTY-NINTH AVE 125 N Balboa N 25xE 120. All work for one-story and basement frame residence.
Owner—Cecilia McGlynn.
Architect — O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—Fred Warden, 68 Concord St., San Francisco.
Filed May 24, '22. Dated May 23, '22.
Building framed $1000
Interior plaster on..... 1000
Completed and accepted..... 1000
Usual 35 days..... 1000
TOTAL COST, $4000
Bond, $2000. Sureties, Chas. Monson & Albin Warden. Limit, 90 days. Forfeit, none. Plans and specifications filed.

THEATRE
(2221) NE OCEAN AVE AND FAXON Ave E 104:7 N 100 W 120 1⅛ E 101:6¼, Lots 15, 16, 17 and portion 14, Blk 3196, Westwood Park. All work, excavation, concrete and carpenter, for a Class A theatre building and Class C stores.
Owner—Samuel H. Levin, 655 Masonic Ave., San Francisco.
Architect—Reid Bros., 105 Montgomery St., San Francisco.
Contractor—G. B. Pasqualetti, 746 Union St., San Francisco.
Filed May 24, 1922 Dated May 4, 1922.
Payments on 5th of ea. month.75%
Usual 35 days 25%
TOTAL COST, $24,500
Bond, $12,250. Sureties, Stella Pasqualetti, R. A. Bucco. Forfeit, none. Limit, as required. Plans and specifications filed.

APARTMENTS
(2222) SE BUSH AND TAYLOR. Six-story and basement reinforced concrete (44) apartments and stores.
Owner—A. Penziner, 1032 Balboa St., San Francisco.
Architect—E. H. Denke, 1317 Hyde St., San Francisco.
Day's work. $100,000

DWELLING
(2223) W FORTY-FIRST AVE 125 S Anza. One-story and basement frame dwelling.
Owner — James Keenan, 1647 Sanchez St., San Francisco.
Architect—None.
Day's work. $4000

FRAME FLATS
(2224) E FRANKLIN 137-6 N Green. Two-story and basement frame (2) flats.
Owner—Florence L. Onyon, 1792 Union St., San Francisco.
Architect—Wm. Koenig, 788 16th Ave., San Francisco.
Day's work. $9000

FRAME FLATS
(2225) E HEMWAY TERRACE 108-4, 141-8, 175, 208-4 and 241-8 N Fulton. Five two-story and basement frame flats (2 flats in each).
Owner—W. L. Hemminga, 47 Ashbury St., San Francisco.
Architect—None.
Day's work. $8000 each

FRAME DWELLINGS
(2226) W LONDON 35 and 65 S Amazon Two one-story and basement frame dwellings.
Owner—Crocker Estate Co., 525 Crocker Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 290 Rolph St., S. F. $3900 each

ALTERATIONS
(2227) NO. 237 POST. Construct window backs; close up mezzanine floor; install dumb waiters and rearrange stairs in candy store.
Owner—United Candy Shops, Prem.
Architect—None.
Contractor—Mullen Mfg. Co., 64 Rausch St., San Francisco. $1500

GARAGE
(2228) N SEVENTEENTH 350 W Noe One-story brick garage
Owner — Pope Estate Co., Kohl Bldg., San Francisco
Architect—H. H. Meyers, Kohl Bldg., San Francisco
Contractor—E. T. Leiter & Son, 407 Call Bldg., S. F. $8000

DWELLING
(2229) W SEVENTEENTH AVE 275 S Cabrillo One-story and basement frame dwelling.
Owner—A. M. McLean, 761 17th Ave., San Francisco.
Architect—None.
Contractor—R. A. McLean, 180 Jessie St., San Francisco. $4000

FRAME FLATS
(2230) S ST MARYS AVE 107 E Marsilly. Two-story and basement frame (2) flats.
Owner—E. H. Brennan, 127 St. Marys Ave., San Francisco.
Architect—J. V. Brennan Jr., 127 St. Marys Ave., San Francisco.
Day's work. $4000

RESIDENCE
(2231) SE PERSIA AND NAPLES. One-story and basement frame residence.
Owner—Mario Mazzera, 4660 Mission St., San Francisco.
Architect—Frederick G. Munk Jr., 58 Francisco St., San Francisco.
Day's work. $4000

BUNGALOW
(2232) W TWENTY-FOURTH AVE 184-8 S Anza S 25xW 120. All work for one-story bungalow.
Owner—H. O. Lindeman, 232 Anza St., San Francisco.
Architect—None.
Contractor—W. R. Lindeman, 530 Balboa St., San Francisco.
Filed May 25, '22. Dated May 16, '22.
Enclosed $1000
Rough plaster on..... 1000
Completed 1000
Usual 35 days..... 1000
TOTAL COST, $4000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(2233) LOT 2 BLK 25 St. Francis Wood Extn. No. 2. All work for two-story and basement frame dwelling.
Owner—J. G. and Gabrielle C. O'Connor
Architect — Henry H. Gutterson, 274 Post St., San Francisco.
Contractor—Mangels Bros., 4792 Mission St., San Francisco.
Filed May 25, '22. Dated May 22, '22.
Frame up $2524.63
Brown coated 2524.63
Completed and accepted.... 2524.62
Usual 35 days..... 2524.62
TOTAL COST, $10,098.50
Bond, $5049.25. Sureties, Theresa Gamma and Jno. A. F. Steimke. Limit, 120 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(2234) LOT 14 BLK 3251 Balboa Terrace. All work except lighting fixtures, shades and heating plant for one-story and basement residence.
Owner—Henrietta Schulken.
Architect—Harold G. Stoner.
Supervising Architect—Mel I. Schwartz Nevada Bank Bldg., San Francisco
Contractor—Cress & Trobock, 180 Jessie St., San Francisco.
Filed May 24, '22. Dated May 19, '22.
Roof on $2095
Brown coated 2095
Completed and accepted..... 2095
Usual 35 days..... 2095
TOTAL COST, $8380
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(2235) W COMMONWEALTH AVE 405 S Euclid Ave S 40xW 120. Grading, roofing, tile, glass, hardware, lath and plaster, shades and electric work for two-story and basement residence.
Owner—Mrs. Daisy Hamburger wife Henry.
Architect—T. Paterson Ross, 310 California St., San Francisco.
Contractor—Ira W. Coburn, Hearst Bldg., San Francisco.
Filed May 25, '22. Dated May 24, '22.
1st story joist in place.....$2050
Roof on 2050

Brown coated 2050
Completed and accepted..... 2050
Usual 35 days..... 2750
TOTAL COST, $10,950
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

(2236) PAINTING TINTING AND papering on above.
Contractor—J. P. Fraser Thompson Co., 902 O'Farrell St., San Francisco.
Filed May 25, '22. Dated May 24, '22.
Completed and accepted.....$750
Usual 35 days..... 250
TOTAL COST, $1000
Bond, none. Limit, 30 days. Forfeit, $20 Plans and specifications filed.

(2237) GAS FITTING, PLUMBING- and sewering on above.
Contractor—Frank J. Klimm, 221 Oak St., San Francisco.
Filed May 25, "22. Dated May 24, '22.
Plumbing roughed in.....$577
Completed and accepted..... 577
Usual 35 days..... 387
TOTAL COST, $1541
Bond, none. Limit, 100 days. Forfeit, $20. Plans and specifications filed.

HOUSE
(2238) W SEVENTEENTH AVE 153-11 N Clement. All work for five-room house.
Owner—P. H. McCarthy, 153 Upper Terrace San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.
Filed May 25, '22. Dated May 2, '22.
Frame up $1125
Brown coated 1125
Completed 1125
Usual 35 days..... 1125
TOTAL COST, $4500
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(2239) NO. 912 AND 914 GEARY ST. All work for alterations to stores in building.
Owner—Mrs. R. C. Tucker, 80 Post St., San Francisco.
Architect—Andrew H. Knoll, Hearst Bldg., San Francisco.
Contractor—A. L. Thulin, Balboa Bldg., San Francisco.
Filed May 25, '22. Dated May 22, '22.
Every 15 days after beginning. 75%
Usual 35 days..... 25%
TOTAL COST, $1645
Bond, $825. Sureties, O. F. Larson and E. H. Peterson. Limit, 30 days after May 24. Forfeit, none. Plans and specifications filed.

TENEMENT HOUSE
(2240) N UNION 150 W Taylor W 25x N 137-6. All work for three-story and basement tenement house.
Owner—Antonio Ponzini, 36 John St., San Francisco.
Architect—L. Traverso, 854 Union St., San Francisco.
Contractor—J. Martinelli, 1351 Mason St., San Francisco.
Filed May 25, '22. Dated May 23, '22.
Foundations finished and garage jonsts in place.....$4162.50
Roof on 4162.50
Brown coated 4162.50
Completed and accepted..... 4162.50
TOTAL COST, $22,200.00
Bond, $11,100. Sureties, Pilade Carmignani & Frank L Martinelli. Limit, 100 days. Forfeit, none. Plans and specifications filed.

BUILDING
(2241) E SANCHEZ 84 W Clipper 30x 25-11. All work except electric lighting fixtures for one-story and basement building.
Owner—George Kimball Jr., 165 Lexington Ave., San Francisco.
Plans by Contractor.
Contractor—Arthur H. Klahn, 1334 21st Ave., San Francisco.
Filed May 25, '22. Dated May 11, '22.
Roof rafters on.....$700
Brown coated 700
Plastering completed 700
Completed and accepted..... 726
Usual 35 days..... 950
TOTAL COST, $3776
Bond, none. Limit, Sept. 11, 1922. Forfeit, none. Plans and specifications filed

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
May 24, 1922—S CALIFORNIA 97 W Commonwealth Ave 48x112. H C Keenan to whom it may concern .....May 23, 1922
May 25, 1922—S BALBOA 82-6 W 20th Ave W 25xS 100. George S Green to Bredlow Green Co..... .....May 25, 1922
May 25, 1922—NW MISSION AND Annie 56 on Mission by 120 on Annie. David R Eisenbach to Barrett & Hilp.....May 23, 1922
May 25, 1922—PTN LOT 16 BLK 16 St. Francis Wood Extn No. 2. Herbert N Thomas to Jullus Berge .....May 15, 1922
May 25, 1922—S BALBOA 107-6 W 20th Ave W 25xS 100. George S Green to Bredlow Green Co..... .....May 25, 1922
May 25, 1922—N CALIFORNIA 142-6 W Hyde W 50xN 137-6. Daniel McKillop and Josephine McKillop to whom it may concern..May 25, 1922
May 24, 1922—SE CALIFORNIA AND 26th Ave E 32-6xS 100. Fred and Hjalmar L Anderson and Ivor P Sellman to whom it may concern.. .....May 24, 1922
May 24, 1922—W SIXTEENTH AVE 200 S Anza 25x120. Mrs. J Donnelly to Otto Anderson.....May 24, 1922
May 24, 1922—W FRANKLIN 25 N Chestnut N 25xW 100. Luigi Bruchera to P Sartorio..May 23, 1922
May 20, 1922—NO 19 UNION SQUARE Ave. Baldwin Bldg., SW Cor. Union Square Ave and Kearny. Max Cahen & Co to Louis Cohen.. .....May 18, 1922
May 20, 1922—W CAPITOL AVE 75 N Grafton Ave N 25xW 100. The McCarthy Co to James Arnott & Son.....May 20, 1922
May 23, 1922—NW PINE AND MONTgomery N 125xW 138-6. Commercial Union Assurance Co and The California Insurance Co to P Grassi & Co.....May 22, 1922
May 23, 1922—E NINTH AVE 75 N Fulton N 25xE 81-8. Michael McDonough to whom it may concern .....May 22, 1922
May 23, 1922—S OCEAN AVE 51.77 E Capitol Ave 25.88x124.39 m or l. Giuseppe Basile to Mangels Bros. .....May 18, 1922
May 23, 1922—E BRYANT 70 N 26th N23-4xE 100. Wm H Clifford to whom it may concern.....
May 22, 1922—N LAKE 70 W Third Ave 30x120. Frieda M Cochran to C A Robert.....May 22, 1922
May 22, 1922—SE PARIS 75 NE Russia Ave NE 25xSE 100 Ptn Blk 20 Excl Hd Assn. Patrick Horgan to whom it may concern.May 20, 1922
May 22, 1922—SE PARIS 100 NE Russia Ave NE 25xSE 100 Ptn Blk 20 Excel. Hd. Assn. Patrick Horgan to whom it may concern.May 20, 1922
May 22, 1922—NE FIFTH AND MISsion. F Von Borstel to Geo M Merritt.....May 20, 1922
May 20, 1922—SE MISSION 160 SW Third SW 77-2¾ SE 100 SW 0-9⅝ SE 70 NE 83 NW 70 SW 5 NW 100. Thomas Doyle to Hayes Oser Co... .....May 19, 1922
May 20, 1922—N ROLPH 128 E Madrid.. P G Magnuson to whom it may concern.....May 18, 1922
May 20, 1922—NE POPE & MORSE. Albin M Samuelson to whom it may concern.....May 10, 1922
May 20, 1922—NE EXCELSIOR 75 SE Madrid. Knut Anderson to whom it may concern.....May 20, 1922
May 20, 1922—NW EDINBURGH 175 NE Excelsior. Knut Anderson to whom it may concern..May 20, 1922
May 19, 1922—NW PALOU AVE 225 NE Keith NE 50xNW 100. Paul Messner to P H Madden.May 18, 1922
May 19, 1922—LOT 9 Ptn Lot 10 Blk 3133, Westwood Park. Walter E. Hansen to whom it may concern.. .....May 19, 1922
May 19, 1922—SW CALIFORNIA AND Jordan Ave 33 on Jordan Ave and 95 on California. E V Lacey to O E Carlson.....May 19, 1922
May 19, 1922—N NATOMA 75 W 8th SW 25xNW 75. Chas H Layne to Clarence C Sayre.....May 19, 1922

LIENS FILED

SAN FRANCISCO COUNTY

May 25, 1922—LOT 3 BLK 3112, Westwood Park. Incandescent Supply Co vs Mary L and Clarence B Bean $87.85
May 19, 1922—S CLAY 154-2 E Franklin E 32-7xS 127-8¼. J H Kruse vs Martin S Shaw and Geo D Merrill and Aimee Merrill..$692.14
May 19, 1922—E TWENTY-SEVENTH Ave 132-6 S Balboa S 25xE 100. Western Roofing Co vs J M Johnson $84

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

May 20, 1922—SE NATOMA 140 SW Eleventh. F B Surryhne as to improvements on property.....

CESSATION OF LABOR

SAN FRANCISCO COUNTY

May 25, 1922—S CLAY 154-3 E Franklin E 32-7xS 127-8¼. Aimee Merrill. Cessation occurred April 24, 1922.

BUILDING CONTRACTS

ALAMEDA COUNTY

$1000 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
2311	Burnside	Conrad	4000
2312	Rosie	Monroe	4500
2313	Moel	Owner	4000
2314	Ortzon	Owner	4000
2315	Magnus	Bowser	8000
2316	Gastman	Owner	6000
2317	Meyers	Owner	4000
2318	Jones	Mason	4000
2319	Martin	Mason	1000
2320	Beach	Owner	3000
2321	Herman	Perry	8000
2322	Pfrang	Owner	4000
2323	Marquis	Owner	2800
2324	Same	Same	13200
2325	Ball	Gossett	10072
2326	Lawlor	Rankin	7950
2327	Root	Hildebrand	3500
2328	Glickman	Critchett	7000
2329	Oakland Club	Olson	15624
2330	Getz	Baccus	1600
2331	Vane	Rankin	4975
2332	Picardo	Sommarstrom	12800
2333	Wrangham	Tupper	2200
2334	Same	Same	4500
2335	Associated	Owner	1750
2336	Wheeler	Butterfield	7800
2337	Web	Kidder	1000
2338	Radston	Texdahl	5700
2339	Dull	Bigelow	11500
2340	Perry	Stewart	5000
2341	Bishop	Johnson	2700
2342	Moresi	Lack	1000
2343	Harris	Owner	3000
2344	Gillespie	Boyd	5000
2345	Hinch	Owner	3000

2346	Pach	Petersen	2675
2347	Blanchaller	Larmer	5460
2348	Koski	Owner	3000
2349	Pleitner	Wells	5300
2350	Theta Chi	Henderson	23418
2351	Cowen	Rich	4500
2352	Pausch	Hiteman	2900
2353	Haas	Boyd	6600
2354	Jeams	Livingston	1100
2355	Irwin	Schwalm	9000
2356	Magoon	Malley	4000
2357	Luster	Sims	3000
2358	Flores	Owner	2500
2359	Gray	Taylor	4550
2360	Courtright	Wishart	2800
2361	McCaffens	Bluche	2684
2362	Ceremelle	Owner	1200
2363	Vickerson	Yerrick	15000
2364	Vickerson	Yerrick	15000
2365	Rlty. Syn.	Frosthell	1532
2366	Haler	Owner	6000
2367	Zinke	Owner	4000
2368	Mellman	Owner	2500
2369	Anderson	Owner	3000
2370	Pugh	Knightz	6500
2371	Frank	Scott	4610
2372	Parochi	Barigluki	3000
2373	Hirschbeck	Fish	5850
2374	Wilber	Oakland	4500
2375	Pomeroy	Johnson	1500
2376	Coit	Owner	3900
2377	Tillman	Anderson	3225
2378	Wilding	Gresham	6500
2379	Schneckenburger	Owner	3800
2380	Ruedy	McKerricker	4250
2381	Cohen	Owner	1500
2382	Matheny	Sharp	5500
2383	Butler	Mattison	3200
2384	Am. Bank	Lawton	1500
2385	Anderson	Owner	4000
2386	Power	Owner	1000
2387	Smith	Owner	2000
2388	Schuler	Owner	3250
2389	Krapp	Eriesson	1650
2390	Pollard	Owner	3000
2391	Townsend	Owner	4900
2392	Bray	Lucas	34300
2393	Spencer	Owner	20000
2394	Hart	Mason	6500
2395	Francis	Owner	7500
2396	Lind	Dolan	3975
2397	Brown	Stenbro	3500
2398	Vieira	Petersen	4200
2399	Cunningham	Owner	3500
2400	Dunbar	Sherman	1600
2401	Gruubb	Owner	4000
2402	McDermott	Fennelly	4500
2403	Mt. View	Owner	20000

DWELLING
(2311) NO. 109 RAMONA AVE., Piedmont. One and one-half-story 6-room dwelling.
Owner—T. S. Burnside, 3036 23rd Ave., Oakland.
Architect—None.
Contractor—Nelson Conrad. $4000

DWELLING
(2312) NO. 93 CAMBRIDGE WAY, Piedmont. One and one-half-story 6-room dwelling.
Owner—Jas. R. Rosie.
Architect—None.
Contractor—J. W. Monroe, 5538 Claremont Ave., Oakland. $4500

DWELLING
(2313) NO. 124 EL CERRITO AVE., Piedmont. One and one-half-story 6-room dwelling
Owner—J. Moel
Architect—None.
Day's work. $4000

DWELLING
(2314) NO. 130 SUNNYSIDE AVE., Piedmont. One-story 6-room dwlg.
Owner—Ortzon & Spunk
Architect—None
Day's work. $4000

DWELLING
(2315) NO. 256 LA SALLE AVE., Piedmont. Two-story eight-room dwelling
Owner—Irving Magnus, Easton Bldg. Oakland.
Architect—A. M. Bowser.
Contractor—A. M. Bowser, Hearst Bldg., San Francisco. $8000

DWELLING
(2316) NO. 2310 EUNICE ST., Berkeley. Two-story 7-room dwelling.
Owner — H. H. Gastman, 1263 Euclid St., Berkeley.
Architect—None.
Day's work. $6000

DWELLING
(2317) NO. 2105 LOS ANGELES AVE., Berkeley. One and one-half-story 7-room dwelling.
Owner—Alice B. Meyers, 2312 Cedar St., Berkeley.
Architect—None.
Day's work. $4000

ALTERATIONS
(2318) NO. 2625 BENVENUE, Berkeley Alter into apartments.
Owner—Prof. Wm. Curey Jones. Prem.
Architect—None.
Contractor—Mason McDuffie Co., Shattuck Ave and Addison St., Bkly. $4000

ALTERATIONS
(2319) NO. 2826 KELSEY ST., Berkeley. Alterations.
Owner—J. O. Martin, Premises.
Architect—None.
Contractor—Mason McDuffie Co., Shattuck Ave and Addison St., Bkly. $1000

DWELLING
(2320) S KANSAS 110 W Laurel, Oakland. One-story 5-room dwelling.
Owner — Beach & Noble, 3060 Kansas St., Oakland.
Architect—None.
Day's work. $3000

DWELLINGS
(2321) E LINWOOD 250 and 290 N E-38th, Oakland. Two one-story 5-room dwellings.
Owner—Mrs. Herman.
Architect—None.
Contractor—J. Floyd Perry, 733 Haight Ave., Oakland. $4000 each

DWELLING
(2322) W THOMAS 400 N Broadway Terrace, Oakland. One-story 5-room dwelling.
Owner — C. J. Pfrang, 480 Forest St., Oakland.
Architect—None.
Day's work. $4000

DWELLING
(2323) W THIRTY-NINTH AVE 40 S Carrington, Oakland. One-story 5-room dwelling.
Owner—E. M. Marquis, 2827 Russell St., Berkeley.
Architect—None.
Day's work. $2800

DWELLINGS
(2324) W THIRTY-NINTH AVE 235, 265, 300, 330, 360 and 400 S Carrington, Oakland. Six one-story 4-room dwellings
Owner—E. M. Marquis, 2827 Russell St., Berkeley.
Architect—None.
Day's work. $2200 each

DWELLING
(2325) PTN LOTS 52 AND 53 BLK 1, Lakeshore Highlands, Oakland. All work for two-story and basement frame dwelling and garage.
Owner—N. A. Ball, 597 23rd St., Okd.
Architect—Miller & Warnecke, Perry Bldg., Oakland.
Contractor—Chester A. Gossett, 327 Davis Court, San Leandro.
Filed May 19, '22. Dated May —, '22
Roof sheathed ..... ¼
Plastered ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $10,073.50

Bond, $5150. Sureties, A. S. Weaver and C. W. Lannom. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(2326) S LONGRIDGE ROAD 1200 E Lakeshore Ave., Oakland. Two-story 7-room dwelling.
Owner—Edw. Lawlor, San Francisco.
Architect—None.
Contractor—S. G. Rankin, 712 Haddon Road, Oakland. $7950

DWELLING
(2337) SW FIFTIETH AVE & BOND Sts., Oakland. Two-story 6-room dwelling.
Owner—Henry Root, Oakland.
Architect—None.
Contractor—C. G. Hildebrand, 1700 Fremont Way, Oakland. $3500

DWELLINGS
(2328) E 107TH AVE 800 and 837 S E-14th St., Oakland. Two one-story 5-room dwellings.
Owner—Louis Glickman, Oakland Bank of Savings Bldg., Oakland.
Architect—None.
Contractor—Frank Critchett. $3500 each

CLUB HOUSE
(2329) E MONTECITO AVE 150 N Bay Place, Oakland. One-story club house.
Owner—Oakland Club.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor — Alfred Olson, Everson Bldg., Oakland. $15,624

ALTERATIONS
(2330) SW ELEVENTH AND HARrison, Oakland. Alterations.
Owner—F. J. Getz.
Architect—None.
Contractor—W. J. Baccus, 357 12th St., Oakland. $1600

DWELLING
(2331) E EDGEWOOD AVE 200 N Wellington, Oakland. One-story 6-room dwelling.
Owner—L. H. Vane, Casa Grande Apts., Oakland.
Architect—None.
Contractor—S. G. Rankin, 712 Haddon Road, Oakland. $4975

FLATS
(2332) W WARFIELD AVE 250 N Wickson, Oakland. Two-story 14-room flats.
Owner—Mrs. C. C. Ficardo, Tyler Ave., Alameda.
Architect—None.
Contractor — Axel Sommarstrom, 109 Sunnyside Ave., Alameda. $12,800

DWELLING
(2333) NO. 1421 ARCH ST., Berkeley. One-story 4-room dwelling.
Owner—Mrs. J. B. Wrangham, Prem.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Contractor—Thad M. Tupper, 2310 Russell St., Berkeley. $2200

DWELLING
(2334) NO. 1423 ARCH ST., Berkeley. One and one-half-story 5-room dwelling
Owner—Mrs. J. B. Wrangham, Prem.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Contractor—Thad M. Tupper, 2310 Russell St., Berkeley. $4500

SERVICE STATION
(2335) NE DURANT AND FULTON, Berkeley. Service station.
Owner—Associated Oil Co., 1100 Webster St., Oakland.
Architect—None.
Day's work. $1750

STORE
(2336) NO. 2141 MILVIA St., Berkeley One-story tile store.
Owner—K. C. Wheeler.
Architect—None.
Contractor—F. P. Butterfield, 2488 Shattuck Ave., Berkeley. $7800

ALTERATIONS
(2337) NO. 2471 SHATTUCK AVE., Berkeley. Alterations.
Owner—Web Motor Co., Premises.
Architect—None.
Contractor—H. C. Kidder, 2108 Addison St., Berkeley. $1000

ALTERATIONS
(2338) NO. 2225 SHATTUCK AVE., Berkeley. Alter store.
Owner—C. Radston.
Architect—None.
Contractor—C. Texdahl, 5375 Belgrave Place, Oakland. $5700

FLATS
(2339) NO. 2211, 13, 15, 17 WOOLSEY St., Berkeley. Two-story 16-room flats.
Owner—Chas. Dull, Woolsey and Shattuck Ave., Berkeley.
Architect—None.
Contractor—John E. Bigelow, 2234 Atherton St., Berkeley. $11,500

DWELLING.
(2340) N BROOKLYN AVE 50 W Park Blvd., Oakland. One-story 6-room dwelling.
Owner—Mrs. E. Perry, 11th and Fallon Sts., Oakland.
Architect—None.
Contractor—B. A. Stewart, 437 Perkins St., Oakland. ..5$$$

DWELLING.
(2341) N CALIFORNIA 169 W MAple, Oakland. One-story 5-room dwelling.
Owner—E. Bishop.
Architect—None.
Contractor—Hans Johnson, 3328 Abbey St., Oakland. $2700

REPAIRS
(2342) NO. 1440 83rd AVE., OAKLAND Fire repairs.
Owner—J. Moresi, 1440 83rd Ave.
Architect—None.
Contractor—Geo. Lack, 944 Eagle Ave., Oakland. $1000

STORE AND DWELLING
(2343) SE COR GRAY AND HARrington, Oakland. One-story store and dwelling.
Owner—A. J. Harris, 1575 36th Ave., Oakland.
Architect—None.
Days' Work. $3000

DWELLING.
(2344) N LERIDA 422 E ROSAL, Oakland. One-story 6-room dwelling.
Owner—Sara Gillespie, 2820 Cherry St., Berkeley.
Architect—None.
Contractor—Robert Boyd, 5710 Genoa St. $5000

DWELLING.
(2345) N NEVIL 418 W 38TH AVE. Oakland. One-story 5-room dwelling.
Owner—J. T. Hinch, Federal Bldg., Oakland.
Architect—None.
Day's Work. $3000

DWELLING.
(2346) N OCEAN AVE 68 W SAN Pablo Ave., Oakland. One-story, 4-room dweling.
Owner—Mrs. L. Pach, 6421 San Pablo Ave, Oakland.
Architect—None.
Contractor—Jensen & Petersen, 3411 Adeline St., Oakland. $2675

DWELLING.
(2347) S PALOMA AV 130 W CALmar, Oakland. Two-story 6-room dwelling.
Owner—G. Blachaller.
Architect—None.
Contractor—Edw. Larmer, 90 Fairview Ave., Oakland. $5460

DWELLING.
(2348) S RAMONA AVE 365 E PIEDmont, Oakland. One-story 5-room dwelling.
Owner—Matt L. Koski, 35 Ramona Ave., Oakland.
Architect—None.
Day's Work. $3000

DWELLING.
(2349) W 36TH AVE 522 S E-16TH St., Oakland. One-story 5-room dwelling.
Owner—H. A. Pleitner, 2919 E-16th St., Oakland.
Architect—None.
Contractor—F. P. Wells, 4034 Porter St., Oakland. $3500

FRATERNITY HOUSE
(2350) SE LE CONTE 225 W Euclid St., being Lots 10 and 12 Blk 9. Daly Scenic Park, Berkeley. All work for building (two-story 18-room fraternity house).
Owner—Theta Chi Fraternity Building Association.
Architect—W. R. Yelland, 414 13th St., Oakland.
Contractor—E. F. Henderson, 5744 Keith Ave., Berkeley.
Filed May 22, '22. Dated May 8, '22. Fidelity Mortgage Securities Co. pays $20,000, balance by promissory note .....
TOTAL COST, $23,418
Bond, $11,500. Sureties, W. A. Porter and W. J. Schmidt. Limit, Sept. 1. Forfeit, $50. Plans and specifications, none.

DWELLINGS
(2351) NO. 2140 AND 2142 EUNICE, Berkeley. Two one-story 3-room dwellings.
Owner—Cowen, 1180 Oxford St., Bkly.
Architect—None.
Contractor—James L. Rich, 943 42nd St., Oakland. $2250 each

DWELLING
(2352) NO. 1637 FRANCISCO ST., Berkeley. One-story 5-room dwlg.
Owner—O. M. Fausch, 2220 Blake St., Berkeley.
Architect—None.
Contractor—E. L. Hiteman, 1217 Cornell Ave., Berkeley. $2900

DWELLINGS
(2353) NO. 1518 AND 1522 RUSSELL St., Berkeley. Two one-story 5-room dwellings.
Owner—R. T. Haas, 363 27th Ave., San Francisco, and W. G. Ahlf, 1513 Russell St., Berkeley.
Architect—None.
Contractor—W. E. Boyd, 1820 6th Ave Berkeley. $3300 each

ALTERATIONS
(2354) No. 1722 SAN PEDRO, Berkeley. Alterations and additions.
Owner—R. W. Jeams, Premises.
Architect—None.
Contractor—W. Livingston, 2918 Ellis St., Berkeley. $1100

DWELLING.
(2355) W ASHMONT AVE OPP. ARDmore, Oakland. Two-story 9-room dwelling.
Owner—Dr. S. V. Irwin, Dalziel Blvd., Oakland.
Architect—W. E. Schirmer, Thayer Bldg., Oakland.
Contractor — Harry Schwalm, 1525 Chestnut St., Berkeley. $9000

STORES.
(2356) NE COR BOND AND AVENAL, Oakland. One-story stores.
Owner—L. B. Magoon, premises.
Architect—None.
Contractor—H. Malley, 2941 West St., Oakland. $4000

DWELLING.
(2357) W COURTLAND AVE 200 N Foothill Blvd., Oakland. One-story 5-room dwelling.
Owner—Jeanette L. Luster.
Architect—None.
Contractor—W. H. Sims, 1926 64th Ave., Oakland. $3000

DWELLING.
(2358) W 84TH AVE 95 N A ST, OAKland. One-story 5-room dwelling.
Owner—A. Flores, 1312 84th Ave.
Architect—None.
Day's Work. $2500

DWELLING.
(2359) N EXCELSIOR AVE 176 W Park Blvd, Oakland. One-story 6-room dwtlling.
Owner—Floyd R. Gray, 522 Haddon Road, Oakland.
Architect—None.
Contractor—G. Taylor, 1421 Market St., Oakland. $4550

DWELLING
(2360) NE FORTY-NINTH AND Manila, Oakland. One-story 5-room dwelling.
Owner—Mrs. Annie Courtright, 657 Poirier St., Oakland.
Architect—None.
Contractor—John Wishart, 1074 62nd St., Oakland. $2800

STORE
(2361) NW FIFTY-NINTH & GROVE, Oakland. One-story store.
Owner—John J. McCaffens.
Architect—None.
Contractor—Blucher Bros., 451 Van Dyke Ave., Oakland. $2684

REPAIRS
(2362) NO. 728 FIFTH ST., Oakland. Fire repairs.
Owner—G. Ceremelle.
Architect—None.
Day's work. $1200

FLATS
(2363) SW GROVE AND FIFTY-second, Oakland. Two-story 12-room flats.
Owner—Dr. J. I. Vickerson, 1551 8th St., Oakland.
Architect—None.
Contractor—A. J. Yerrick, 5255 College Ave., Oakland. $15,000

FLATS
(2364) W GROVE 43 S Fifty-second. Oakland. Two-story 12-room flats.
Owner — Dr. J. I. Vickerson, 1551 8th St., Oakland.
Architect—None
Contractor—A. J. Yerrick, 5255 College Ave., Oakland. $15,000

OFFICE.
(2365) SW MORAGA ROAD AND Hampton Road, Oakland. One-story office.
Owner—Realty Syndicate.
Architect—Hamilton Murdock, Syndicate Bldg., Oakland.
Contractor—H. M. Fristholm, 877 Lakeshore Ave., Oakland. $1532

DWELLINGS
(2366) W PERKINS 400 N Van Buren, Oakland. Three one-story 3-room dwellings.
Owner—H. W. Haler, Syndicate Bldg., Oakland.
Architect—None
Day's work. $2000 each

DWELLING
(2367) N SIXTIETH 111 E Adeline, Oakland. One-story 6-room dwlg.
Owner—Jos. Zinke, 873 60th St., Okd.
Architect—None.
Day's work. $4000

DWELLING
(2368) W SIXTY-THIRD AVE 100 S Trenor, Oakland One-story five-room dwelling.
Owner—Theodore Mellman, 2803 23rd Ave., Oakland.
Architect—None.
Day's work. $2500

DWELLING
(2369) W SIXTY-SEVENTH AVE 350 S Fairview Way, Oakland. One-story 5-room dwelling.
Owner—A. T. Anderson, 9302 Birch St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(2370) N TRESTLE GLEN ROAD ——, Oakland. Two-story 6-room dwlg.
Owner—A. M. Pugh, 388 12th St., Okd.
Architect—None.
Contractor—Harry C. Knight, 388 12th St., Oakland. $6500

DWELLING
(2371) LOT 22 BLK 5 Map Steinway Terrace, Oakland. One-story 6-room dwelling and garage.
Owner—George and Lillian Frank, 1509 56th Ave., Oakland.
Architect—None.
Contractor—G. A. Scott, 685 23rd St., Oakland.
Filed May 23, '22. Dated May 22, '22.
Frame up $1152
Brown coated 1152
Completed and accepted..... 1152
Usual 35 days..... 1154
TOTAL COST, $4610
Bond, none Limit, 70 days. Forfeit, none. Plans and specifications filed.

DWELLING
(2372) NO. 1020 TAYLOR AVE., Alameda One-story 5-room dwlg.
Owner—P. Parochi, Premises.
Architect—None.
Contractor—Barigluki & Curletto, 1862 8th St., Alameda. $3000

DYEING & CLEANING SHOP
(2373) NO. 2309 ENCINAL AVE., Alameda. One-story dyeing and cleaning shop.
Owner—H. Hirschbeck, 2143 Alameda Ave. Alameda.
Architect—None.
Contractor—M. H. Fish, 1333 Fountain St., Alameda. $5850

DWELLING
(2374) NO. 412 BAY, Alameda. One-story 6-room dweelling.
Owner—L. A. Wilber, 559 27th St. Oakland.
Architect—None.
Contractor—Oakland Home Builders 1710 San Pablo Ave., Berkeley. $4500

ADDITION
(2375) NO. 2225 McGEE AVE., Berkeley Addition.
Owner—Mrs. Mathilda B. Pomeroy, Premises.
Architect—None.
Contractor—Albert N. Johnson, 1727 Stuart St., Berkeley. $1500

DWELLING
(2376) NO. 707 ENSENADA, Berkeley. One-story 5-room dwelling.
Owner—Roger Cell 306 11th St., Oakland.
Architect—None.
Day's work. $3900

DWELLING
(2377) SW CHANNING AND GRANT Berkeley One-story 5-room dwlg.
Owner—E. J. Tillman, 2427 Hearst Av., Berkeley.
Architect—None.
Contractor — A. A. Anderson, 2457 Scenic Ave., Oakland. $3225

DWELLING.
(2378) W BUCKEYE AVE 200 N Edith St., Oakland. Two-story 8-room dwelling.
Owner—A. W. Wilding, Union St., Alameda.
Architect—None.
Contractor—S. T. Gresham, 4095 Lincoln Ave., Oakland. $6500

DWELLING.
(2379) N E-SIXTEENTH ST 485 W Fruitvale Ave., Oakland. One-story 5-room dwelling.
Owner—C. Schneckenburger, 2910 E 16th St., Oakland.
Architect—None.
Day's Work. $3800

DWELLING
(2380) S E-31TH ST 110 E ELLIOTT, Oakland. One-story 6-room dwelling.
Owner—John Ruedy, 1065 24th St., Oakland.
Architect—None.
Contractor—R. A. McKerricker, 3449 Furitvale Ave., Oakland. $4250

ALTERATIONS.
(2381) 1418-22 FRANKLIN ST., OAKland. Alterations.
Owner—David Cohen, 1414 Franklin St., Oakland.
Architect—None.
Day's Work. $1500

DWELLING
(2382) NE COR 51ST AVE AND Foothill Blvd., Oakland. One-story 6-room dwelling.
Owner—Chas. B. Matheny, 1822 Bridgt Ave., Oakland.
Architect—None.
Contractor—A. C. Sharp, 1321 E 28th St., Oakland. $5500

DWELLING.
(2383) N NICOL AVE 80 W CHAMpion, Oakland. One-story 5-room dwelling.
Owner—J. H. Butler.
Architect—None.
Contractor—E. T. Mattison, 3328 Maple Ave., Oakland. $3200

ALTERATIONS
(2384) 4058 PIEDMONT AVE., OAKland Alterations.
Owner—American Bank.
Architect—None.
Contractor—Lawton & Vezey, 357 12th St., Oakland. $1500

DWELLING
(2385) NW COR PRINCE AND WARfield, Oakland. One-story 4-room dwelling.
Owner—Victor Anderson, 462 45th St., Oakland.
Architect—None.
Day's Work. $1800

ADDITION
(2386) NO. 2116 SEVENTY-THIRD Ave., Oakland. Addition.
Owner—Luke Power.
Architect—None.
Day's work. $1000

DWELLING
(2387) W THIRTY-EIGHTH AVE 100 S Kanning, Oakland One-story 5-room dwelling.
Owner—Sydney Smith, 3755 Loma Vista, Oakland.
Architect—None.
Day's work. $2000

DWELLING
(2388) N VERNON TERRACE 170 W Vernon, Oakland. One-story five-room dwelling.
Owner—Chas. J. Schuler, 182 Vernon Terrace, Oakland.
Architect—None.
Day's work. $3250

DWELLING
(2389) NO. 1213 BLAKE ST., Berkeley One-story 5-room dwelling.
Owner—Elmer Krap, 939 Addison St., Berkeley.
Architect—None.
Contractor—Carl Ericsson, 1146 Masonic Ave., Berkeley. $1650

DWELLING
(2390) NO. 1402 MERCED ST., Berkeley. One-story 5-room dwlg.
Owner—A. J. Pollard, 77 Plaza Bldg., Berkeley.
Architect—None.
Day's work. $3000

DWELLING
(2391) NO. 1934 MARIN AVE., Berkeley. One-story 6-room dwlg.
Owner—Fred Townsend, 840 San Luis Road, Berkeley.
Architect—None.
Day's work. $4900

APARTMENTS
(2392) NO. 2515 PIEDMONT AVE., Berkeley. Three-story 35-room apartments.
Owner—Mrs. A. B. Bray.
Architect—W. H. Ratcliff, 1st National Bank Bldg., Berkeley.
Contractor—L. L. Lucas 555 59th St., Oakland. $34,300

APARTMENTS
(2393) SW COR AILEEN AND GROVE Sts., Oakland. Two-story stores and apartments.
Owner—L. H. Spencer, 5625 Grove St., Oakland.
Architect—None.
Day's Wor. $20,000

DWELLING
(2394) S BROADWAY TERRACE 200 W Park Road, Oakland. Two-story 6-room dwelling.
Owner—Ruth M. Hart, Berkeley.
Architect—None.
Contractor—Mason, McDuffie Co., Shattuck and Milvia, Berkeley. $6500

DWELLINGS
(2395) W CONGRESS AVE 486, 450, 520 N Ignacio, Oakland. Three 1-story 5-room dwellings.
Owner—E. O. Francis, 3940 E-14th St., Oakland.
Architect—None.
Day's Work. $2500 each

DWELLING.
(2396) S CALMAR AVE 100 N PAloma, Oakland. One-story 6-room dwelling
Owner—C. H. Lind, Syndicaate Bldg., Oakland.
Architect—None.
Contractor—Leo J. Dolan, Syndicate Bldg., Oakland. $3975

DWELLING
(2397) SW COR EXCELSIOR AND Woodruff, Oakland. One-story 6-room dwelling.
Owner—Chas. F. Brown, 1707 Broadway, Oakland.
Architect—None.
Contractor—A. Stenbro, 1608 Hopkins St., Oakland. $3500

DWELLING
(2398) NE COR E 19TH ST and 21ST Ave., Oakland. Two-story 7-room dwelling
Owner—E. C. Vieirn, 1748 21st Ave., Oakland
Architect—None
Contractor—J. B. Petersen, 2053 38th Ave., Oakland $4800

DWELLING.
(2399) N GALVIN ST 200 N EVERett, Oakland. 1½-story 7-room dwelling.
Owner—R. B. Cunningham, 4010 Canon St., Oakland.
Architect—None.
Day's Work. $3500

DWELLING.
(2400) N OUTLOOK AVE 100 E 64TH Ave., Oakland. One-story 3-room dwelling.
Owner—W. Dunbar.
Architect—None.
Contractor—C. H. Sherman, 3362 64th Ave., Oakland. $1600

DWELLING.
(2401) N SANTA RAY 490 E PALOMA Oakland. One-story 5-rm. dwelling.
Owner—Jas. B. Grubb, Y. M. C. A., Oakland.
Architect—None.
Day's Work. $4000

DWELLING.
(2402) E 33RD AVE 440 N FARNUM, Oakland. One-story 5-room dwelling.
Owner—J. F. McDermott, 1530 33rd 33rd Ave., Oakland.
Architect—None.
Contractor—J. D. Fennelly, 2910 E 22d St., Oakland. $4500

VAULT
(2403) MOUNTAIN VIEW CEMEtery, Oakland. One-story conc. receiving vault.
Owner—Mountain View Cemetery Association, Oakland.
Architect—Walter J. Mathews, 927 Broadway, Oakland.
Day's Work. $20,000

COMPLETION NOTICES

ALAMEDA COUNTY

May 25, 1922—LOTS 1 TO 6 inclu Blk 1, Barker Tract, Berkeley. W W Whitecotton by James W Plachek to Scott Co, May 25; Rigney Tile Co, May 25; W P Fuller Co, May 25; Capitol Elec Co.....May 22, 1922
May 25, 1922—LOT 28 BLK 10 Map Berkeley Heights, Berkeley. H D Dewell to C Mollath Jr..May 25, 1922
May 25, 1922—NE PARK & WEBB Ave 50x88, Alameda. Associated Oil to Adam Arras Co..May 17, 1922
May 25, 1922—N FOOTHILL BLVD 88 E 47th Ave E 38xN 125, Oakland. John A Stanley to whom it may concern.....May 3, 1922
May 25, 1922—LOT 18 BLK 8 Map Melrose Heights, Oakland. Joseph Giangrasse to Oliver Legault.....April 27, 1922
May 23, 1922—NO. 1816 YOSEMITE, Berkeley. G W Hale to whom it may concern.....May 23, 1922
May 24, 1922—NO. 1727 SAN LORENzo Ave, Berkeley. W R White to whom it may concern..May 24, 1922
May 24, 1922—W GROVE 45 S Delaware S 45x W100, Bkly. Horatio F Barcklay to Gustaf Johanson..May 24, 1922
May 24, 1922—LOT 9 BLK B Map Lakeshore Highlands, Oakland. H J Riegelhaupt to James L Rich.....May 15, 1922
May 23, 1922—SE Peralta Ave. 450.5 NE Hopkins St. NNW 652.24, SW 136.78, SE 9.72, SW 16.54, NE to pt begin., Oakland. Board of Trustees Fred Finch Orphanage to F C Stolte, W H Graham...May 22,1922
May 23, 1922—Portion Lots 36 and 37, Blk 1, Map Lakeshore Highlands, Oakland. John J. and Mabel F. Wellendorf to Enoch Tranmal .....May 23, 1922
May 22, 1922—S 48 LOT 23 BLK "H" Map Northbrae Terrace, Berkeley, Vicent Bellman to Jordan & Zelle .....May 20, 1922
May 22, 1922—LOT 12 BLK "R" Map Central Piedmont No. 4, ——. R H Chamberlain to C E Burks.....May 18, 1922
May 22, 1922—W 37-6 LOT 8 BLK 3, East Piedmont Heights Extension, Oakland. W J Baker to whom it may concern.....May 22, 1922
May 22, 1922—LOT 23 BLK 3, Northland Tract No. 1, Berkeley. Ella Dahle to A Hendrickson.....April 25, 1922
May 22, 1922—LOT 9 BLK 3, Northlands Tract, Berkeley. Olive D Farrar to J F Meyer....May 15, 1922
May 22, 1922—SW E-21st 430 SE 5th Ave SE 40xSW 125, Okd. Frank H and Laura J Riggle to Fred N Fabing.....May 10, 1922
May 22, 1922—LOT 2 BLK "H" Map Bryant Tract, Berkeley. Emeryville Investment Co to Thomas Rutherford.....May 9, 1922
May 22, 1922—LOT 19 BLK "I" Golden Gate Tract, Okd. Amedeo Rigali to A C Sharp.....May 22, 1922
May 22, 1922—LOTS 43, 44 and 45 Map Sylvan Crest Tract, Okd. Harvey B Franklin by M G Kendall to California Builders Co..May 19, 1922
May 20, 1922—NE PENNIMAN AVE 130 NW High NW 33.72xNE 130, Oakland. E Henning Edlund to whom it may concern...May 20, 1922
May 20, 1922—E BROADWAY 193-9 N Orchard Ave N 31 E 87-7 E 87-7 S 31 W 91-6 W 91-6, Okd. Denise Lacazette to S McPherson.....May 15, 1922
May 19, 1922—LOT 6 BLK L Map East Piedmont Heights, Oakland. B A Ghio to Ralph Norris.May 9, 1922
May 19, 1922—NE FOOTHILL BLVD 283.22 SE Juno SE 50xNE 150, Oakland. James J Francis to whom it may concern.....May 15, 1922
May 19, 1922—PTN BLK 2, Shattuck Tct No. 2, Berkeley. W W Whitecotton by James W Plachek to Rochester Elec. Co, May 18; W K Nottingham, May 18; Barrett & Hilp, May 18 and Thos R Catton.....May 18, 1922
May 19, 1922—LOTS 1 TO 6 inclu Blk 1, Barker Tract, Berkeley. W W Whitecotton by James W Plachek to whom it may concern.....May 18, 1922

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
May 22, 1922—LOT 5 Map Woodlawn Park, Oakland. J W Gaba vs Virginia Lamberson $473.50
May 20, 1922—LOTS 25 AND 26 BLK 70, Thousand Oaks, Berkeley. A Hendrickson vs Albert Manzie.....$1051.65
May 19, 1922—LOT 23 and N 3.97 Lot 24 Blk 860 Map Loop Tract, Okd. F M Dreisbach (Zenith Mill & Lumber Co) vs John Rodriguez.....$293.51
May 19, 1922—LOTS 21, 22, 23 BLK 152. Map Ppty Alameda County Land Co. Oakland. W R Gordon vs Frances Conrad.....$500

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount
May 25, 1922—LOT 8 BLK 2 Map Fourth Avenue Heights, Oakland. Hogan Lumber & Mill Co to A T Hendricks and W C Gardner.$105.48
May 25, 1922—LOT 38 BLK 2, Map Fourth Avenue Heights, Oakland. H Aronsen to A T Hendricks, W C and Lena Gardner.....$88.11
May 25, 1922—LOT 38 BLK 2, Map Fourth Avenue Heights, Oakland. Rhodes Jamieson & Co to A T Hendricks and W C Gardner..$279.90
May 25, 1922—N 12½ LOT 21, S 24½ Lot 22 Blk "C" Map McEvoy Tract, Oakland. Hogan Lumber & Mill Co to A T Hendricks, M and Annie Geraghty $321.56
May 22, 1922—LOT 38 BLK 2, Fourth Avenue Heights, Oakland. Al M Feary, $145.49 A B McMurty, $142; Maxwell Hardware Co, $151.98 to A T Hendricks and W C Gardner...
May 23, 1922—LOT 14 and SE 13 Lot 13 Blk 1, Lakeshore Highlands, Oakland. John P Maxwell to Anna and James Gartland.....$499.84
May 20, 1922—LOT 33 BLK 2, Map Thousand Oaks Station Tract, Berkeley. Tilden Lumber Co to Wm H and Blanche Wehrlie.....$690.54
May 20, 1922—LOT 33 BLK 2, Map Thousand Oaks Station Tract, Berkeley. F and V Montano to Wm H and Blanche Wehrlie.....$320

Notice of Non-Responsibility

ALAMEDA COUNTY

May 20, 1922—SE DERBY AVE AND E-14th St. 98x79, Oakland. Derby Estate Co as to improvements on property .....

RECISSION OF BUILDING CONTRACT

ALAMEDA COUNTY

May 25, 1922—LOT 1 BLK 7, East Piedmont Heights, Oakland. Gurnette & Chandler with Phineas J Pickering, Contractor.

BUILDING CONTRACTS

SANTA CLARA COUNTY

$1000 and Over Reported

BUNGALOW
NO. 752 S-FIFTH ST., San Jose. All work for five-room plastered bungalow.
Owner—Roy W. Hartman, San Jose.
Architect—None.
Contractor—Herbert C. Jorgensen, 160 Irving St., San Jose.
Filed May 16, '22. Dated May 16, '22
Concrete walls crected and lumber delivered .....$ 798.32
Frame up 798.32
Finish plaster on..... 798.32
When completed 1596.64
TOTAL COST. $3991.60
Bond, none. Limit, 90 working days from May 16. Forfeit, none. Plans and specifications filed.

BUILDING
MOUNTAIN VIEW. All work for one-story reinforced concrete and frame building.
Owner—C. H. Segur, Mountain View.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—Carl Lindholm, Mountain View.
Filed May 17, '22. Dated May 10, '22.
Foundations completed and lumber on ground.....$1676.66
Concrete walls cribbed and ready for pouring..... 1676.66
Concrete all poured..... 1676.67
Roof completed and inside of building plastered 1676.67
When completed 1676.67
Usual 35 days..... 1676.67
TOTAL COST. $10,060.00
Bond, $5030. Surety, E. D. Minton. Limit, 90 working days from May 17 1922. Forfeit, none. Plans and specifications filed.

STORE BUILDING
MOUNTAIN VIEW. All work for one-story reinforced concrete and frame store building.
Owner—S. McCormack, Mountain View
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Contractor—Carl Lindholm, Mountain View.
Filed May 17, '22. Dated May 10, '22.
Foundations completed and lumber on ground.....$1516.89
Walls cribbed and ready for pouring 1516.89
Concrete poured 1516.89
Roof completed and building plastered 1516.89
Building completed 1516.88
Usual 35 days..... 1516.88
TOTAL COST, $9191.32
Bond, $4570. Surety, Earl D. Minton. Limit, 90 working days from May 17, 1922. Forfeit, none. Plans and specifications filed.

RESIDENCE
SAN JOSE. All work for one-story frame residence.
Owner—J. P. Mauchle, 420 Gardner St., San Jose.
Architect—None.
Contractor—J. Garcia, 1052 S-First St., San Jose.
Filed May 17, '22. Dated May 15, '22.
Payments not given.....
TOTAL COST, $2939
Bond, limit, forfeit, none. Plans and specifications filed.

RESIDENCE
SAN JOSE. All work for one-story frame residence.
Owner—A. P. Jensen, San Jose.
Architect—None.
Contractor—A. J. Nielsen, 156 S-20th St., San Jose.
Filed May 16, '22. Dated May 16, '22.
All studding & plates in place.$825
Roof, rustic, electric wiring and lathing done 825
Upon completion 825
Usual 35 days..... 825
TOTAL COST, $3300
Bond, none. Limit, 50 working days from May 18, 1922. Forfeit, none. Plans and specifications filed.

DWELLING
PALO ALTO. All work for two-story frame dwelling.
Owner—Alfred Seale, Palo Alto.
Architect—Warren Skillings, Garden City Bank Bldg., San Jose.
Contractor—Carl Lindholm and Edward Nelson, Mountain View.
Filed May 16, '22. Dated May 15, '22.
Frame up and enclosed.....$2900.50
Plastering completed 2900.50
Completed and accepted..... 2900.50
Usual 35 days..... 2900.50
TOTAL COST, $11,602.00
Bond, $5801. Sureties, Earl D. Minton and F. O. Pearson. Limit, 120 working days from and after May 15, 1922. Forfeit, none. Plans and specifications filed.

GYMNASIUM
SANTA CLARA. Cork carpets for high school gymnasium.
Owner—Board of Education of Santa Clara High School District, Santa Clara.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Contractor—D. N. & E. Walter & Co., 562 Mission St., San Francisco.
Filed May 17, '22. Dated May 8, '22.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $1998
Bond, $1998. Surety, United States Fidelity & Guaranty Co. Limit, 60 working days from May 8, 1922. Forfeit, $10 a day. Plans and specifications filed.

BRICK WORK COMPLETE, INCLUDING heater room flue and cast cement ornament on above.
Contractor—Paul Messner, 180 Jessie St., San Francisco.
Filed May 17, '22. Dated May 4, '22.
Payments same as above.....
TOTAL COST, $2870
Bond, $2870. Surety, New Amsterdam Casualty Co. Limit, 60 working days from May 4, 1922. Forfeit, $10 a day. Plans and specifications filed.

BLACKBOARDS ON ABOVE.
Contractor—C. F. Weber & Co., 985 Market St., San Francisco.
Filed May 17, '22. Dated May 8, '22.
Payments same as above.....
TOTAL COST, $1000
Bond, $1000. Sureties, Frank F. Weber and J. W. Fricke. Limit, 35 working days from May 8, 1922. Forfeit, $10 a day. Plans and specifications filed.

PAINTING ON ABOVE.
Contractor—Wm. Loos, 890 Washington St., Santa Clara.
Filed May 17, '22. Dated May 4, '22.
Payments same as above.....
TOTAL COST, $360
Bond, $360. Sureties, Luis G. Fatjo and H. L. Warburton. Limit, 100 working days from May 4, 1922. Forfeit, $10 a day. Plans and specifications filed.

ELECTRIC WORK ON ABOVE.
Contractor—Watts Electric Co., 133 4th St., San Francisco.
Filed May 17, '22. Dated May 8, '22.
Payments same as above.....
TOTAL COST, $1680
Bond, $1680. Surety London & Lancashire Indemnity Co. of America. Limit, 85 working days from May 8, 1922. Forfeit, $10 a day. Plans and specifications filed.

GENERAL CONTRACT WORK ON above.
Contractor — Morrison Bros., Santa Clara, Cal.
Filed May 17, '22. Dated May 4, '22.
Payments same as above.....
TOTAL COST, $22,889
Bond, $22,889. Sureties, Jas. H. Pierce and P. T. Pierce. Limit, 100 working days from May 4, 1922. Forfeit, $10 a day. Plans and specifications filed.

FRAME DWELLING
SAN JOSE. All work for one-story 5-room frame dwelling.
Owner—Joseph M. Bracker, 433 W-San Fernando St., San Jose.
Architect—None.
Contractor—Wm. H. O'Neil, 500 N-15th St., San Jose.
Filed May 18, '22. Dated May 12, '22.
Roof on $737.50
Brown mortar on..... 737.50
Notice of completion filed.... 737.50
Usual 35 days..... 737.50
TOTAL COST, $2950.00
Bond, limit, forfeit, none. Plans and specifications filed.

OFFICE BLDG.
S-FIRST ST., San Jose. All work except steam heating for one-story concrete and frame office building.
Owner—Mutual Building & Loan Association of San Jose and College Park, 34 E-San Antonio St., San Jose.
Architect—Binder & Curtis, 255½ So. First St., San Jose.
Contractor—R. O. Summers, 47 N-First St., San Jose.
Filed May 18, '22. Dated May 17, '22.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $29,490
Bond, $14,705. Sureties, F. P. Herringer and Oscar Fromis. Limit, 140 working days from May 18, 1922. Forfeit, none. Plans and specifications filed.

GARAGE
GILROY. All work for one-story garage building.
Owner—J. Lacaze, Gilroy.
Architect—None.
Contractor—William Radtke, Gilroy.
Filed May 20, '22. Dated May —, '22.
Foundations and frame work for concrete done $2750
Walls roughed in & trusses set 2750
Notice of completion filed..... 2750
Usual 35 days..... 2750
TOTAL COST, $11,000
Bond, none. Limit, 70 working days after work is started. Forfeit, none. Plans and specifications filed.

BUNGALOW
SAN JOSE. All work except excavation and foundation for one-story five-room frame and plaster bungalow.
Owner—Louis Bruch, 1000 S-Seventh St., San Jose.
Architect—W. W. Hastings, 524 E-St. James St., San Jose.
Contractor—A. J. Bowen, 68 Fuller St., San Jose.
Filed May 23, '22. Dated May 23, '22.
Frame up $862.50
Brown mortar on..... 862.50
Completed and accepted..... 862.50
Usual 35 days..... 862.50
TOTAL COST, $3450.00
Bond, limit, forfeit, none. Plans and specifications filed.

DWELLING
LOS GATOS. All work for one-story and basement frame dwelling.
Owner—John Traver and Faith E. Mahwins, Los Gatos.
Architect—None.
Contractor—Lawrence G. Case, Los Gatos.
Filed May 23, '22. Dated May 6, '22.
Frame up $933.10
Plastering completed..... 933.10
completed and accepted..... 933.10
Usual 35 days..... 933.10
TOTAL COST, $3732.40
Bond, $2000. Surety, Frank A. Bell. Limit, 90 working days from and after May 6. Forfeit, $5 a day. Plans and specifications filed.

ADDITION
PALO ALTO. All work for addition to City Hall.
Owner—Board of Public Works of the City of Palo Alto, Palo Alto.
Architect—J. F. Byxbee Jr.
Contractor—Palo Alto Engineering & Constructing Co (Co-Partnership), Palo Alto.
Filed May 23, '22. Dated May 17, '22.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $18,887
Bond, none. Limit, 100 calender days from May 17. Forfeit, $50 a day. Plans and specifications filed.

BUNGALOW
HANCHETT PARK, San Jose. All work for one-story 6-room bungalow and garage.
Owner—Eliza H. Yocum, 52 Little Delmas Ave., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—E. E. Arnott, San Jose.
Filed May 22, '22. Dated May 17, '22.
Frame up $1206.25
1st coat plaster & cement on 1206.25
Completed and accepted..... 1206.25
Usual 35 days..... 1206.25
TOTAL COST, $4825.00
Bond, $2412.50. Sureties, Philander Arnott and R. C. Leavenworth. Limit, 90 working days from May 9, 1922. Forfeit, $5 a day. Plans and specifications filed.

COTTAGE, seven-room, $5700; No. 386 N-Fifth St., San Jose; owner, Cosmo D'Amico; contractor, Carl Maurer, 241 Locust St., San Jose.
COTTAGE, 5-room, $2550; No. 868 S-Seventh St., San Jose; owner, J. Carpenter, Premises; contractor, Wm. H. O'Neil, 500 N-15th St.
COTTAGE, 5-room, $3600; No. 552 S-12th St., San Jose; owner, A. E. Lopes; contractor, Jerome Garcia, 1052 S-1st St., San Jose.
COTTAGE, 4-room, $1995; Twelfth St. near Martha St., San Jose; owner, E. A. Roberts; day's work.
ALTERATIONS, $1200; No. 645 N-1st St., San Jose; owner, G. Lucas Downing, 645 N-1st St., San Jose; contractor, T. J. Lannin, 312 S-9th St., San Jose.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted

May 23, 1922—SAN JOSE. United States Products Corp to Ellis Anderson.....May 12, 1922

May 23, 1922—PALO ALTO. Mrs. Jessie H Beatty to W S Couter... .....May 10, 1922

May 23, 1922—NEAR GILROY. San Ysidro School District to William Radtke.....April 19, 1922

May 23, 1922—NEAR GILROY. San Ysidro School District to Anderson & Dougherty.....May 10, 1922

May 16, 1922—PALO ALTO. Mary A Connolly to W S Couter..... .....May 10, 1922

May 16, 1922—N STEVENS CREEK Road W from the Cupertino Union School, Cupertino. Charles Lowe to F G Williams.....May 13, 1922

May 17, 1922—PALO ALTO. Mabel S Laumeister to George Jacobsen.. .....May 10, 1922

May 17, 1922—SAN JOSE. J A and Arvida Quist to C Carlson..... .....May 16, 1922

LIENS FILED

SANTA CLARA COUNTY.

Recorded Amount

May 20, 1922—SUNNYVALE. The Sterling Lumber Co vs Frank Terro $167.34

May 17, 1922—COR. STORY & KING Road, near San Jose. Southern Lumber Co vs L G Bradshaw.$756.52

BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 and Over Reported

DWELLING, one-story 5-room, $2500; No. 2329 Thirty-ninth St., Sacramento; owner, M. R. Peterson, 505 18th St., Sacramento; day's work.

RAISE AND REMODEL three flats, $4500; No. 1015 22nd St., Sacramento; owner, Mrs. W. J. Appleton, Premises; contractor, A. Tellstrom, 3838 Sacramento Blvd.

GENERAL REPAIRING, $3500; No. 816 20th St., Sacramento; owner, Z. W. Wharton Estate, 824 30th St., Sacramento; contractor, P. F. Reed, 2545 28th St., Sacramento.

DWELLING, one-story 5-room, $2500; No. 2756 Marshall Way, Sacramento owner, B. H. Bill, 3252 Marshall Way, Sacramento; day's work.

DWELLING, one-story 6-room, $5000; No. 1365 43rd St., Sacramento; owner, Ella Smith, 1317 G St., Sacramento; contractor, A. E. Erickson, N-Sacramento Road, Sacramento.

TWO FLATS, 4 rooms each, $5900; No. 2816 G St., Sacramento; owner, R. W. Pierson, 2814 G St., Sacramento contractor, Chas. Peterson, Sacramento.

GENERAL REPAIRS, $3500; No. 3538 Second Ave., Sacramento; owner, J. Zraggen, 3538 2nd Ave., Sacramento; contractor, E. L. Brust, 620 J St., Sacramento.

DWELLING, one-story 5-room, $3000; No. 3909 Downey Way, Sacramento; owner, F. A. Jensen, 1947 35th St., Sacramento; day's work.

WAREHOUSE, 5-story, $125,000; No. 601-9 L St., Sacramento; owner, John Breuner Co., 600 K St., Sacramento; architects, Dean & Dean, City Library Bldg., Sacramento; contractor, Betz & Mabrey, Ochsner Bldg., Sacramento.

DWELLING, two-story 7-room, $7900; No. 1301 42nd St., Sacramento; owner, Lawrence Knauer, 425 22nd St., Sacramento; contractor, J. T. Ransdall, 1055 41st St., Sacto.

DWELLING, one-story 6-room, $6000; No. 2931 E St., Sacramento; owner, Mrs. F. Parlanerno, 2929 E St., Sacramento; contractor, J. W. Lattin, 1043 39th St., Sacramento.

DWELLING, 2-story, 9rms., $7900; 3160 H St., Sacramento; owner, F. P. Basler, 11 La Hermosa Apts., Sacramento. Day's work.

FLATS, 2-story (2) flats, 5 rooms ea. and garage, $6500; 1515 28th St., Sacramento; owner, G. A. White, 1914 29th St., Sacramento; contractor, Herman Horn, Red Bluff.

DWELLING, 2-story 6 rooms, $6200; 2525 Donner Way, Sacramento; owner, L. M. Ferguson, 1416 11th St., Sacramento; contractor, C. H. Chatterton, 2420 F St., Sacramento.

DWELLING, 2-story 6 rooms, $5400; 2533 Donner Way; owner, L. Tracy, 1416 11th St., Sacramento; contractor, C. H. Chatterton, 2420 F St., Sacramento.

BUILDING, $2850; Tract 32, Edward J. Coyle Sub., Sacramento; owner, Thomas Beneto, 2985 35th St., Sacramento; contractor, Ed Maltby, Sacramento. Dated May 15, 1922. Filed May 19, 1922.

DWELLING, one-story 4-room and garage, $2500; No. 2645 30th St., Sacramento; owner, R. M. Smith, 2633 30th St., Sacramento; day's work.

FLATS, (2) two-story and garage, $7350; No. 2905 I St., Sacramento; owner, Mrs. L. Morrill, 2631 I St., Sacramento; contractor, W. R. Saunders, 2516 I St., Sacramento.

FLATS (4) two-story and garage, $14,000; No. 3931 J St., Sacramento; owner, F. M. Siefer, Farmers & Merchants Bank Bldg., Sacramento; contractor, W. R. Saunders, 2516 I St., Sacramento.

DWELLING, one-story 5-room and garage, $4500; No. 2320 22nd St., Sacramento; owner, W. J. Kamenzind, 1926½ 11th St., Sacramento; contractor, H. J. Harlow, 54th and J Sts., Sacramento.

DWELLING, one-story 5-room, sleeping porch and garage, $4400; No. 2740 Portola Way, Sacramento; owner, R. W. Everett, 2760 5th Ave., Sacramento; contractor, P. R. Opdyke, Route Box 60-A, Sacramento.

DWELLING, two-story 8-room and garage, $12,000; No. 1440 40th St., Sacramento; owner, P. T. Burtis, % Hale Bros. Store, Sacramento; contractor, Wm. Theilbahr, M. R. Box 155, Sacramento.

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

$2,500 and Over Reported

RESDEINCE, $8000; N Sutter St., Stockton; owner, J. A. McAfee, 1217 E. Market St., Stockton. Day's work.

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RESIDENCE, $5200, W Vine St., Stockton; owner, D. M. Hayes, Stockton; day's work.

RESIDENCE, $8300; Vernal Way, Stockton; owner, Neil I. Ross, 545 W-Poplar St., Stockton; day's work.

RESIDENCE, $8200; W-Vine St., Stockton; owner, Edw. N. D'Oyly, 1237-A N-San Joaquin St., Stockton; day's work.

RESIDENCES, (10) at $4900 each and (10) garages at $200 each; W-Adam St., Stockton; owner, Sterling Bldg. Co., Sec. 21 S-San Joaquin, Stockton; day's work.

SCHOOL, two-story brick, concrete and frame, $126,213; Victory School Site Lot 1 Sub. No. 6, Stockton Acres; owner, Board of Education, City of Stockton; architect, Losekann & Clowdsley, Elks' Bldg., Stockton; contractor, O. H. Chain Farmers & Merchants Bank Bldg., Stockton. Filed May 18, '22. Dated May 16, '22; Limit, 190 days.

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount

May 17, 1922—PARCEL OF NW ¼ of Sec. 33, T. 1 S., R 1 E., being E ½ of Lots 7 and 8 Blk 1, Manteca Irrigated Farms, Stockton. Home Lumber Co, a cptn., vs Joe Ventura and Joe Escobar.....$155.80

May 18, 1922—LOTS 15, 16, 17 AND 18, Small Farms Improvement Tot, Division G, Stockton. John Stewart vs William and Edith Epstein..$250

BUILDING CONTRACTS

SAN MATEO COUNTY

STORE.

LOT 1, BLK 11, BURLINGAME. Furnish and construct one-story concrete store building.

Owner—Mrs. W. G. Hitchcock, Burlingame.

Architect—Oliver Thomas.

Contractor—T. J. Broderick, Burlingame.

Filed May 17, '22. Dated May 11, '22.

Wood frames and steel in place	$2200
oncrete walls placed	2200
Completed and accepted	2200
Usual 35 days	2174
TOTAL COST,	$8774

Bond, $4000. Sureties, Jos. V. Gaffey and Joseph Grimes. Forfeit, none. Limit, on or before July 11, 1922. Plans and specifications filed.

TWO 1-STORY BLDGS.

LOT 10, BLK 1 and LOT 10, BLK 3, Pacific City. Furnish and construct two one-story buildings.

Owner—E. R. Burger, Burlingame.

Architect—None.

Contractor — William R. Thompson, 416 Bayswater, Burlingame.

Filed May 16, 1922. Dated May 15, '22.

Frame completed and rustic on	$1800
Completed and accepted	993
Usual 35 days	950
TOTAL COST,	$3743

Bond, none. Sureties, none. Forfeit, $2.50. Limit, 30 working days. Plans and specifications filed.

ONE-STORY BLDG.

LOT 5, BOARD WALK, PACIFIC CITY Cal. Furnish and construct a one-story building.

Owner—E. R. Burger, Burlingame.

Architects—Kuhn and Edwards, associated, 833 Market St., San Francisco.

Contractor—Charles G. Adams, 109 Arundel, Burlingame.

Filed May 16, 1922. Dated May 15, '22.

When completed, all bills being paid	$1964

Bond, none. Sureties, none. Forfeit, $2.50. Limit, none. Plans and specifications filed.

BUNGALOW
LOT 3, BLK 33, SAN CARLOS. Furnish and construct one-story bungalow.
Owner—Mary J. and Andrew J. Johnson, San Mateo Co., Cal.
Architect—None.
Contractor—Ben Zimmerman, Redwood City, Cal.
Filed May 22, 1922. Dated May 19, 1922.
Rafters on $1275
Plaster completed 1275
Completed and accepted 1275
Usual 35 days 1275
TOTAL COST, $5150
Bond, $2575. Sureties, Carl Muller and Henry Marcus. Forfeit, none. Limit, 90 working days. Plans and specifications filed.

GRADING, ETC.
ROOSEVELT SCHOOL, VANCOUVER and Broadway, Burlingame. Grading, excavating and drainage.
Owner—Trustees Burlingame Grammar School.
Architect—None.
Contractor—C. A. Buck, Burlingame Square, Burlingame.
Filed May 20, 1922. Dated May 12, 1922.
Excavating, grading and drainage ditches completed..... $544
Completed an accepted 544
Usual 35 days 544
TOTAL COST, $1450
Bond, $750. Sureties, Walter, Vincent and Joseph Grimes. Forfeit $10 Limit, 30 working days. Plans and spec. filed.

BUILDINGS
PACIFIC CITY, Lots No. 2 and 4, Board Walk Blk 4, Map No. 2, San Mateo. All work for two one-story buildings.
Owner—Fred D. Barnes, San Francisco, and James W. Kelly, Burlingame.
Architect—Alfred Kuhn and Thomas M Edwards, 833 Market St., S. F.
Contractor — Charles G. Adams, Burlingame
Filed May 16, '22. Dated May 15, '22.
On completion, all bills paid...$2170
TOTAL COST, $2170
Bond, none. Limit, 30 working days. Forfeit, $2.50. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
May 23, 1922—LOT W BLK 4, Burlingame Terrace, Burlingame. D Houle to whom it may concern... .....May 18, 1922
May 20, 1922—Lot 219, San Mateo Park, San Mateo. Jean B. Stevenson to Arthur Dusenberry..... .....May 2, 1922
May 22,1922—Lot 3, Blk 29, 2nd Add Burlingame, Burlingame. Ann Day Pray to A. Dusenberry ..May 18, 1922
May 22, 1922—California Sanitorium, 1¾ miles westerly from town of Belmont. California Sanitorium to L. Dloguardi ..... May 15, 1922
May 16, 1922—LOT 19 BLK 26, Lyon & Hoag Sub, Burlingame. Charles George Adams to whom it may concern..... May 13, 1922

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
May 19, 1922—LOTS 3 AND 4 BLK 13, Amended Map of San Carlos Edwin Benton Fox and George William McNulty, Copartners (as Fox-McNulty Lumber Co) vs Mercantile Trust Co and Fred & Mary Rosenstein $416.44

BUILDING CONTRACTS

CONTRA COSTA COUNTY

PUBLIC GARAGE, hollow tile, $5000; Fifth St. bet. Macdonald Ave. and Bissell St., Richmond; owner, O. R. Ludwig, 512 Macdonald Ave., Richmond; contractor, Sinnett & Faurot 315 25th St., Richmond.
PUBLIC GARAGE, brick, $9000; S Macdonald Ave. bet. 4th and 5th Sts., Richmond; owner, E. M. Chase, San Francisco; contractor, John Odling, 2352 Esmond St., Richmond.
DWELLING, frame, $2500; E Fifth St., bet. Penn and Lucas Sts., Richmond; owner, G. F. Coin, 460 10th St., Richmond; day's work.
FINISHING two upper floors of brick building (40 rooms), $9425; N Macdonald Ave. bet. 6th and 7th Sts., Richmond; owner, John Lestelle, 329 6th St., Richmond; architect, Albert Fabre, 110 Sutter St., San Francisco; contractor, Carl Overaa, 2405 Roosevelt Ave., Richmond.
DWELLING, $3100; No. 435 Balch Ave., Fresno; owner, Ernest Russell, Fresno; day's work.
GARAGE, $1000; No. 3303 Tulare St., Fresno; owner, J. E. Ward, 3321 Iowa St., Fresno; contractor, Fred Jones, 444 Inez St., Fresno.
DWELLING, $2500; No. 3618 Nevada Ave., Fresno; owner, J. A. Putman, Fresno; contractor, Jolly & Jolly, 1801 Belmont St., Fresno.

BUILDING CONTRACTS

FRESNO COUNTY

$5,000 and Over Reported

FRAME BUILDING
LOTS 1 AND 2 BLK 25, Belmont Addition, Fresno. One-story and basement brick and frame building.
Owner—Bravos Bros.
Architect—Coates & Traver, 627 Rowell Bldg., Fresno.
Contractor—Valley Constr. Co., Mattei Bldg., Fresno.
Filed May 18, '22. Dated May --, '22.
Excavation and foundation in..$2000
Walls completed, roof, etc., framed 2000
Roof on, plastering completed.. 2019
Completed and accepted..... 2936
Usual 35 days..... 2975
TOTAL COST, $11,894
Bond, $5947. Surety, Republic Casualty Co. Limit, 40 working days. Forfeit, $10. Plans and specifications filed.

SCHOOLS
MONROE ELEMENTARY SCHOOL Districts, Fresno County. All work for one-story 6-room concrete, brick and frame school building and remodeling old building at Monmouth.
Owner—Board of Trustees of Monroe Elementary School Districts, Fresno County.
Architect — Ernest J.Kump Co., 207 Rowell Bldg., Fresno.
Contractor—J. B. Hart, 945 San Pablo Ave., Fresno.
Filed May 22, '22 Dated May 19, '22.
Monthly payments of 75%
Usual 35 days..... 25%
TOTAL COST, $36,826
Bonds, to material men, $18,413; to owner, $3682.66. Surety, Hartford Accident & Indemnity Co. Limit, Sept. 1, 1922. Forfeit, $10. Plans and specifications filed.

APARTMENT HOUSE, $7000; No. 468 Yosemite Ave., Fresno; owner, Clara Watkins, Fresno; contractor, Chas. M. Hall, Fresno.
DWELLING, $7000; No. 3318 Huntington Ave., Fresno; owner, Anna Kahn, 1248 J St., Fresno; contractor, L. S. Piletz, Fresno.
DWELLING, $12,500; No. 1019 Weldon St., Fresno; owner, Emil Kehrlein, Fresno; contractor, Ray Carter.
DWELLING, $5500; No. 703 Terrace St., Fresno; owner, J. R. Segesser, 1542 L St., Fresno; day's work.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
May 22, 1922--LOT 14 BLK 3, Boulevard Gardens No. 2, Fresno. O W Wood to whom it may concern... .....May —, 1922
May 23, 1922—LOTS 19 TO 23 BLK 8, Fresno Heights No. 2, Fresno. S S Miller to whom it may concern.. .....May 22, 1922
May 20, 1922—E 75 FT. LOT 1, Meridian Heights, Fresno. F G Roth to whom it may concern..... .....May 17, 1922
May 20, 1922—LOT 36 BLK 21, Belmont Addition, Fresno. Wm E Smith to whom it may concern... .....May 17, 1922
May 19, 1922—LOT 8 BLK 23, Alta Vista Tract, Fresno. L N Paterson to whom it may concern.May 17, 1922
May 19, 1922—PTN LOT 5, South Villa Tract, Fresno. Pete Hanolan to whom it may concern.May 15, 1922
May 19, 1922—ICE PLANT AT Calwa, Fresno Co. Pacific Fruit Express Co to whom it may concern..... .....May 9, 1922
May 16, 1922—LOTS 15 AND 16 BLK 4, Van Ness Heights, Fresno. Gertrude E Bolen to whom it may concern.....May 11, 1922
May 17, 1922—LOTS 28 AND 29 BLK 5, Blackstone Park, Fresno. Mike Sederes to whom it may concern. .....May 16, 1922
May 18, 1922—LOTS 17 AND 18 BLK 28, K. B. Heights, Fresno. G Sette et ux to whom it may concern... .....May 15, 1922
May 18, 1922—LOTS 31 AND 32 BLK 3, Belridge Park, Fresno. Wm B Watson to whom it may concern .....May 17, 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount
May 16, 1922—LOTS 38 AND 39 BLK 3, Lincoln Terrace, Fresno. L Rosenberg vs S B Goodman and M C Larson.....$——

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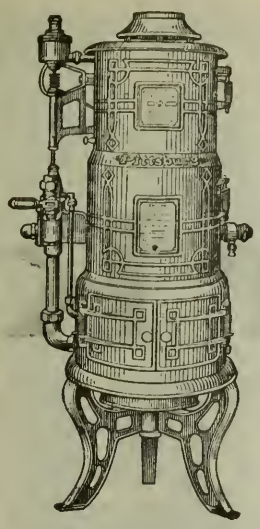

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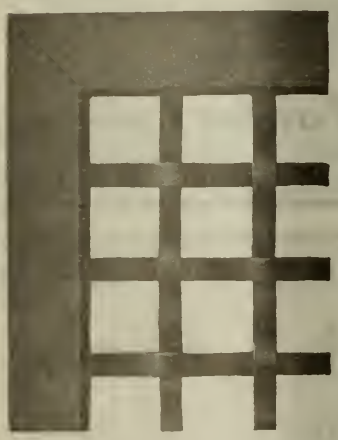

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CINCH ANCHORING SPECIALTIES

THE principal employed in constructing the Cinch anchoring specialties is scientifically sound. It is based on the wedge, the screw and the lever.

A Cinch anchorage bites quickly and positively. Properly installed, it simply cannot pull out or work loose. Its lead-composition parts get a complete surface grip, filling even the shallowest irregularities in the wall of a hole. As the pull increases, the push against the side of the hole increases more than proportionately on account of the wedging action of the iron cones. The greater the load sustained, the stronger the hold obtained.

A Cinch anchorage can be used on any machine bolt or machine threaded attachment device. It consists of two or more lead-and-iron expansion units, as explained below. A two unit anchorage is sufficient to carry ordinary loads. The smallest Cinch anchorage, 3-16 of an inch, has carried a weight of over one thousand pounds in numerous tests.

Points of Superiority

1. Stronger than the Strongest Bolt.

Cinch anchoring specialties give the only anchorage guaranteed to hold beyond the tensile and shearing strength of any wrought iron or steel bolt, as well as the breaking strength of the nut. They will not crush or otherwise mar the face of masonry. Vibration will not loosen the grip of the anchorage.

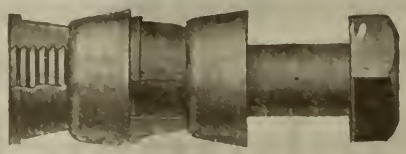
2. Cut Drilling Costs

Cinch anchoring specialties require a hole of less depth than any other expansion device, affording a great saving of labor and time in drilling, and a substantial saving of material because of the shorter length of bolt needed.

3. Easy to Install in Any Position.

Cinch anchoring specialties are easy to install in any position. They can be set in masonry with the head of the bolt out of or in the hole. Expansion can be completed before work is lifted into place and bolted fast.

A two-unit plain Cinch anchor consists of a two-unit, plain, cinch anchorage fitted on a standard machine bolt with nut. Figure 1 shows a two-unit Cinch anchor, before expansion. Note that the order of the parts is iron, lead, iron lead.



A two-unit Threaded Cinch anchor consists of a two-unit Cinch anchorage threaded, fitted on a standard machine bolt. Fig. 2 shows an anchor before expansion.

Cinch Drive Sleeve Expansion Bolt

Here is the Cinch Drive Sleeve Expansion Bolt—a bolt that can be installed as quickly and easily as driving a nail.

No calking tool is necessary to install this bolt. All that is to be done is to drill the hole, drop the bolt into it and a few raps with a hammer drives the shield securely into the masonry.

The anchorage is permanent and will not vibrate loose. When the bolt is installed simply place the work in position and screw bolt into the shield.

This bolt is also supplied without the drive sleeve and the shield is expanded by using an ordinary iron pipe.

We carry a complete line of Cinch Anchoring Specialties. If you are interested please communicate with us.

"Everything for the Contractor"

Harron Rickard & McCone

SAN FRANCISCO LOS ANGELES

MEMBERS OF

San Francisco, Sacramento, Oakland and Los Angeles Builders' Exchanges.

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ENGINEERS ENDORSE PLAN OF HARDING FOR GOVERNMENT REORGANIZATION

The professional engineers of the country, through the American Engineering Council of the Federated American Engineering Societies, meeting in Pittsburgh, May 27, pledged their suport to President Harding in his plan of government reorganization.

In adopting the report of its committee on public affiairs the executive board of the council determined, in event of failure of the President's efforts to bring about greater economy and efficiency in national affairs, to press independently a nationwide movement for establishment of a department of public works.

WESTINGHOUSE HAS $100,000,000 IN SALES FOR ONE YEAR

Sales of the Westinghouse Electric and Manufacturing Company amounted to almost exactly $100,000,000 during the past year, as shown by its annual report, as of March 31. This is the largest volume of business handled by the company except during the abnormally active previous three years.

The expense of development work and about $1,500,000 for depreciation of inventory were charged against manufacturing costs, so that the increase in surplus was slightly greater than the amount paid out in dividends.

The "cash position" of the company is shown by the fact that its current assets, including cash, United States securities and accounts and notes receivable, total $41,700,000, while its current liabilities—accounts payable, dividends unpaid and accrued interest, etc.—are only $11,400,000. In addition the company possesses an inventory of $55,000,000.

POWER PROJECT HEARING SLATED FOR BAKERSFIELD

The Federal Power Commission and the State Department of Public Works, division of power rights, will hold a joint hearing in Bakersfield on June 15 on the application of the City of Los Angeles for a dam, storage reservoir, conduit and power house on the south fork of the Kern river, in Tulare County.

San Joaquin valley industrial and civic interests, which at the first meeting in Fresno, of the power boards on Los Angeles water power filings in the San Joaquin Valley, began a determined fight to prevent alleged usurpation of valley resources by the southern metropolis, will join with Kern County protestants at the Bakersfield hearing in argument for denial of the application.

The hearing at Fresno was concerned with filings by Los Angeles on dam, reservoir and powerhouse sites on the Kings river. Valley representatives said after the meeting that they had cause to believe that the application of Los Angeles would be denied.

The Bakersfield hearing June 15 will be attended by delegates from chambers of commerce, civic associations, business men's clubs and similar organization, for opposition to the Los Angeles application, and by representatives of the City of Los Angeles who will present the case in favor of granting the application.

F. H. Fowler, district engineer, U. S. Forest service, representing the federal power commission; and H. A. Kluegel, chief of the division of water rights, state department of public works, will conduct the Bakersfield hearing.

UNIVERSITY STUDENTS TO LEARN LATEST IRRIGATION METHODS

As a means of bringing the students into closer touch with the irrigation methods and equipment in the teaching of irrigation practice the University of California College of Agriculture has just completed the installation of a field laboratory of irrigation appliances at the University farm at Davis.

This equipment is so arranged that at the time it is in operation, various methods of orchard irrigation may be demonstrated with a study of the resulting effects of moisture distribution through the soil.

With this laboratory in operation it is possible to illustrate in the field the theory taught in the classroom. It will be especially valuable at this time when instruction to freshmen and sophmores is given at the University farm for the first time, beginning in August.

In the meantime it is hoped that this installation will be of material assistance in demonstrating to visitors and in advising prospective purchasers of irrigation equipment the type of equipment which may be best adapted to their old conditions of soil type, grade of land and available head of irrigation water.

It is necessary for bank gravel to show 75 per cent of the relative strength of the standard 1-3-5 mix to make it acceptable for construction work in Portland, Ore., according to Commissioner of Public Works Barbur.

SIMPLIFICATION NEEDS SURVEY TO BE UNDERTAKEN BY A. E. S. COMMITTEE

At the request of Secretary Herbert Hoover, of the Department of Commerce, the American Engineering Standards Committee will undertake at once a canvass to determine what simplification in manufactured products is most needed and most desirable. This canvass will be conducted through the engineering and technical bodies having representatives on the committee or co-operating with its work. The survey of simplification or standardization needs and possibilities will extend into almost every industry in America.

This assignment to the American Engineering Standards Committee is one of Secretary Hoover's steps to retrieve for American industry a few of the many billions of dollars wasted annually, as revealed in the report on waste in industry which was made not long ago by a committee also appointed by Mr. Hoover while he was chairman of the Federated American Engineering Societies. The latter committee found that waste in industry was due largely to an over-multiplicity in number of products as well as to inefficiency in process.

Of equal significance is the fact that Mr. Hoover's request that the American Engineering Standards Committee conduct this survey, and the acceptance of the assignment by the committee indicates a co-ordination of the work in the simplification of manufactured products, sponsored by Secretary Hoover, and the work of the American Engineering Standards Committee in the unification of standards on a national basis.

What should be the relationship between the simplificaation work of the Department of Commerce and the standardization work of the American Engineering Standards Committee has been the subject of considerable discussion. It is clear now that there will be no duplication or overlapping. There seems to be general recognition of the fact that simplification of product and improvement of process are to a large degree only other words for standardization; that they are standardization put to work. The joint movement for standardization and simplification may, therefore, be said to have begun its work in its own household by standardizing, simplifying and unifying its own machinery and processes.

The Executive Committee of the A. E. S. C. has, by resolution, pledged the co-operation of the committee to the Department of Commerce. Representatives of the committee recently held a conference on the subject with Mr. Hoover at Washington. Subsequently an arrangement was made for permanent exchange of representatives between the two organizations so that there may be the closest possible co-operation between the Commerce Department's Division of Simplified Practice and the American Engineering Standards Committee.

Herbert Hoover evidently believes that the proper pronunciation of "construction" does not place the accent on the first syllable.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

Business in the Twelfth Federal Reserve District, as reported by John Perrin, Federal Reserve Agent, during the month of April, is summed up as follows: Improvement in lumber industry was outstanding feature. Production during April as at 95 per cent of the estimated normal capacity of reporting mills and during the first two weeks of May reached normal capacity. Orders received during April exceeded production by 27.1 per cent, this being the fifth consecutive month in which demand has exceeded current production. Building permits issued during April give further evidence of exceptional activity in construction and building. Permits issued were 16.5 per cent greater in number and 51.6 per cent greater in value than in April, 1921, and were approximately equal to the permits issued in the record month of March, 1922.

Close co-operation between the Lincoln Highway Association, with headquarters at Detroit, Mich., and the Reno, Nevada, Chamber of Commerce, in bringing to prompt completion the Lincoln Highway across Nevada, is assured by two appointments made by the National Headquarters at the recommendation of the Reno Chamber of Commerce, whereby two members of its Board of Directors take important posts in the Lincoln Highway organization. John Blum, manager of the Nevada Packing Company, has accepted the appointment as Washoe County consul and will be assisted by A. C. Frolich, manager of the Commercial Soap Company as Reno consul, both men co-operating with the Association's State Consul in Nevada, Senator W. P. Harrington of Carson City.

Twenty-one members of the Dredgermen's Union are out of work as a result of a disagreement between the union men and Fred Frank Co., contractors, in Reclamation District 2047, in Glenn and Colusa Counties. According to H. G. Charles, the company violated its contract with the unions by letting a sub-contract to Leo Jackson, who in turn discharged the union men on the dredger and put in non-union men. Charles holds that this was virtually a lockout, and forced men on other dredgers to quit work. Charles also says that the union asked the company officials to submit the matter to arbitration, but the proposal was rejected.

Sullivan A. Wheeler and Harry S. Wheeler, plumbers of Corning, Cal., doing business under the name of A. J. Wheeler Sons, have filed a petition in voluntary insolvency with Referee in Bankruptcy Richard T. Wheeler of Corning. The application recites that the partnership has been dissolved, but final settlement has not been made. The firm's liabilities reach $8865, with assets estimated at $1818.

Construction on the Don Pedro Dam, the $5,000,000 project of the Modesto-Turlock Irrigation Districts on the Tuolumne River above La Grange, is half completed. Four hundred men are employed on the work. It is expected that the districts will have the benefit of 28,000 acre feet of stored water which the dam will impound, for the 1923 crop season.

Charging that the Mathews Construction Co. has violated its contract for the construction of the Sacramento High School and also its agreement with the union, union painters employed on the high school have quit. Six painters are affected. Officials of the Painters' Union say the men quit because the contractor introduced a paint spraying machine on the job. They said that this is a violation of the agreement with the unions. They also hold it violates the contract for the building because this calls for the use of a priming coat, whereas the paint now is sprayed upon the bare walls.

Greater co-operation with all classes of business, as well as greater development of the construction industry towards the establishment of high standards of efficiency is expected because of the election of Arthur S. Bent of Los Angeles as director of the Civic Development Department, Chamber of Commerce of the United States. Bent is president of the Associated General Contractors of America and is engaged as senior partner of Bent Bros., engineering construction, Los Angeles.

Due to increased building activities in Oakland and to the additional fact that certain organizations are endeavoring to send expert workmen out of the city, Oakland faces an acute shortage of plasterers. According to J. E. Schilling of the Alameda Builders' Exchange Employment Office, there is need at the present for more than 75 plasterers, with no immediate signs of relief. Many plasterers, it is said, are receiving $11, $12 and $13 a day.

The Wisconsin Industrial Commission has recently published some important vital facts relating to the losses sustained by the contracting industry through preventable accidents which show that the construction industry sustained 1,714 accidents, thirty of which resulted in death. Total days lost numbered 272,071, of which 180,000 days were estimated as the loss due to deaths and 195,971 days to recoverable accidents.

The Dry Zero Corporation of Oakland, which plans to manufacture refrigerators, has been authorized by the State Corporation Department to sell one share of its capital stock to each of its five incorporators in exchange for services rendered and to sell 400 shares to Harvey B. Lindsey in exchange for certain considerations. These shares are to be escrowed.

Captain Albert J. Capron and R. E. Dodge of the San Francisco Chapter of the American Association of Engineers have been selected as delegates from this city to the eighth annual convention of the association, to be held in Salt Lake City from June 5 to June 7. The two local delegates are going to make every effort, they say, to bring the 1924 national convention to San Francisco.

The Alta District Lumber Co. has purchased the planing mill and property of Randolph & Sheridice at Dinuba and will construct new lumber sheds and warehouses and overhaul the machinery.

The Orange County Concrete Lumber Co. will shortly commence operations at Anaheim, Cal., to manufacture concrete lumber. The company plans the erection of 300 five-room bungalows within the next twelve months, to be sold for $5000 each, with small initial payment down, easy monthly payments thereafter. S. L. Allen is president of the company.

The Canadian Good Roads Association will hold its ninth annual convention at Victoria, B. C., on June 13 to 16. It is the intention to give wide scope to the experience gained during the past two years of federal aid from Dominion sources, and there will be general discussions as to costs, financing and the economics of highway construction and maintenance.

According to press reports the Long-Bell Lumber Co. of Kansas City, Mo., heavy southern pine operators, also interested in the Weed Lumber Co. of Weed, Calif., and with large fir timber holdings on the Columbia river, will put in a million dollar plant on the east side of the north channel, Los Angeles harbor.

The Clinton Refrigerating Co., of Clinton, Iowa, has leased quarters at 2023 Mono street, Fresno. The lease was closed through Wm. Wishart, vice president of the company and E. H. Duffey, president of the E. H. Duffey Co., refrigerating engineers of Los Angeles, western representative of the Clinton Co.

Pacific Electric Clock Co., announces the removal of its offices to 714-717 Wells Fargo Bldg., San Francisco, Phone Douglas 1796. The company handles a complete stock of electric clock systems for schools, public buildings, industrial plants, electric tower, street and program clocks.

Captain John D. Bouret, U. S. N., construction officer at Mare Island Navy Yard, has been recommended to the Senate by President Harding for appointment as chief naval constructor and chief of the Bureau of Construction and Repair.

The Bullet Proof and Non-Shatterable Glass Corporation, 25 West 43rd street New York City, N. Y., desires to secure representation for their product in this territory. Bullet proof glass is used in banks, etc., and non-shatterable glass is used for automobiles.

James Hyslop, formerly connected with the Gladding-McBean plant at Lincoln, Placer County, has leased the Coast Brick Company's plant in Richmond for the manufacture of high grade glazed and colored tile.

Carl Christensen, representing the Washington Iron Works of Los Angeles, manufacturers of "Washington" sanitary porcelain enamelware, has returned to that city after a three-day business visit in San Francisco.

Arthur L. Johnson, special investigator for the Commission of Immigration and Housing for the past four years, retired from that position June 1 to become Deputy State Labor Commissioner.

ALONG THE LINE

J. J. Haley, purchasing agent for the City of Sacramento, has resigned to accept a position in the Water Rights Division of the State Department of Public Works in charge of estimate checking.

Yuba County contemplates the improvement of 100 miles of primary roads within the next two years. It is proposed to complete the work without resort to a bond issue.

Albert de Ruiz, civil engineer and former Government geographer and mining engineer stationed at Stockton, and recently city engineer of Long Beach, died May 29 at Long Beach.

The Tuolumne Lumber Company, with main offices in the town of Tuolumne, has filed a certificate of decrease of capital stock from $300,000 to $10,000.

For the third time voters in the Washington Union High School District, Fresno County, failed to authorize a $200,000 bond issue to finance construction of new school buildings.

Oakland Paving Co., at approximately $92,000, awarded contract by Oakland City Council to pave Telegraph Ave. between 52nd street and north city limits.

F. A. Castetter, F. A. Stearns and Bessie C. Tripp, all of Los Angeles, have incorporated the Oregon Lumber Agency with a capital stock of $20,000.

A. H. Monroe, assistant city engineer of San Diego, has resigned that position and accepted an offer from the City of Los Angeles.

Eugene McCaffery, surveyor of Sacramento, was drowned May 25 when he fell from a wharf at Hood while working with a surveying party.

The Turlock and Modesto Irrigation Districts of Stanislaus County will construct a $90,000 steel bridge in the Hetch Hetchy District.

The Yuba Manufacturing Co. of Marysville has been awarded contracts to build two large gold dredgers for shipment to Alaska.

The Glendora Lumber Co. of Glendora has incorporated with a capital stock of $25,000.

Pacific Asbestos Co., contemplates the erection of storage and sales warehouses at Riverbank.

Petitions for street paving costing approximately $1,000,000 are being circulated in Santa Monica.

W. C. Earle, formerly of San Diego, has been appointed city engineer and superintendent of streets of Pasadena.

Santa Cruz County Supervisors contemplate the appointment of a county purchasing agent.

Lumbermen Urge National Program for Simplification of Practices

The four-day preliminary conference of American lumbermen, called at the suggestion of the National Manufacturers' Association by Secretary Hoover to standardize trade nomenclature and grades, to eliminate unnecessary varieties and to guarantee and protect the quality and tally of lumber to the consumer, adjourned May 27. With its numbers largely increased by representatives of wholesale and retail associations, of architects, engineers, contractors and other consumers, such as the railways, the manufacturers passed a number of resolutions strongly supporting a national program of simplification of practices in the industry. The Conference as a whole also voted unanimously to accept the agency of the National Manufacturers' Association in securing properly appointed representatives of all groups interested in lumber production and conversion, with a view to the definite adoption of standardized nomenclature, grades, quality, markings and practices.

The hope of the Department in calling this preliminary conference was provision of a system throughout the country for inspection and guarantee of the quality, quantity and grade of lumber with a view to affording all possible protection to the consuming public; that ways would be found to simplify the types of consumers with a view to eliminating waste, decreasing cost of distribution; and to see that agencies for accomplishing these purposes should be set up by the lumber industry itself.

The Secretary of Commerce proposed that a national system of inspection and certification should be created by the industry to embrace all of the lumber trade; that descriptions of the different species of lumber as to grade and quality should be made as uniform as possible throughout the country; that the inspection service should be open to consumers in settlement of all disputes; and that, in order better to establish the reputation of American lumber products abroad, this system of inspection and certification should be extended to foreign countries. The Secretary emphasized the fact that all these ideas are being applied and are in limited operation in the lumber industry in different parts of the country, that other industries have been able themselves to establish for the use of their own members and the public such a system, and that the desire of the Department is to aid in securing the consolidation of the various organized units in the industry to the extent of establishing a national inspection and certification system, to be maintained by the industry itself, for the protection of all consumers as well as to avoid unnecessary confusions in the trade itself. Such an organization, Mr. Hoover pointed out, would soon eliminate many current complaints by providing practical guarantees as to quality and quantity to the consumer, and the same plan would lend itself to the eventual establishment of research work by the industry for the development of better utilization of wood products, of large economies, and better adaptability in the manufacture of raw material. The plans embrace no element of control of distribution or price, but essentially service on behalf of the consumer in guarantees of quality and character of lumber sold and thereby the lifting of all ethical standards in the industry. The unanimous action of this preliminary conference and the organization set up to advance these ideas by the trade itself promise success. The summer months will be employed in the necessary technical investigation in discussion in the various branches of the trade, and it is expected that a final conference may be held in the early fall for creation of the definite organization.

PAPER MODELS AID CONCRETE BUILDERS

By making paper models and studying them, designers of concrete structures can save themselves work and produce better buildings, according to experiments conducted by George Erle Beggs, associate professor of civil engineering of Princeton University.

Close observation of the deflections of model elastic structures and estimates of their reactions, moments, shears, and thrusts will avoid the necessity of tedious disheartening calculations by complicated formulae which have kept American engineers from making as strong economical structures as those of European designers.

"If the analysis of elastic models is demonstrated to be a practical method of solving the most difficult problems in concrete structures, and further if the designer may be assured of the strength and uniformity of the concrete, the hope may be expressed" says Professor Beggs, "that in the near future the designer will be more ready to mold the most adaptable of materials — concrete — into a greater variety of stiff, strong, and economical structural forms than have yet been conceived or attempted.

FUNDS AVAILABLE FOR NEVADA ROADS

Expenditures totaling $166,000 of National Forest Highway funds for the construction and repair of twenty-four miles of roads in Nevada have received the approval of Secretary of Agriculture Wallace. This money was made available for roads serving the national forests and for roads within or adjacent to the forests, which are of primary importance to States, counties and communities. The amount approved by the Secretary will be allotted to two roads in the Toiyabe National Forest in Lander County and one in the Nevada National Forest in White Pine County.

Ninety-six thousand dollars will be expended on the survey and construction of eight miles of the Elkhorn Road, one of the main east and west routes through Nevada, and $10,000 for repairs to the 12 miles of highway between Austin and the Big Smoke Valley Road. Both projects are within tht Toiyabe National Forest.

In White Pine County, the Forest Service plans to expend $60,000 on the Illipah project, extending from the east to the west boundaries of the Nevada National Forest.

Master Plumbers Convene at Sacramento

The twenty-first state convention of the State Association of Master Plumbers was held in Sacramento, May 22, 24 and 25, with an attendance of about three hundred delegates.

The convention opened in Elks Hall with a reception to the members and their wives. The invocation was given by the Rev. William Harrison of Sacramento, followed by an address of welcome by Mayor Albert Elkus and a talk on "Our City" by A. S. Dudley, secretary of the Sacramento Chamber of Commerce. H. Dixon of Sacramento, president of the State Association, followed with a brief talk on the aims and accomplishments of the Association and congratulated the members on the lines of co-operation which all were working.

D. A. DEACON, President

A. P. BENEDICT, Vice-President

Colonel William A. Archer of the National Trade Extension Bureau of Evansville, Ind., in a forceful talk pleaded for higher standards of sanitation and urged an educational campaign to demonstrate to the public the importance of the plumbers' work.

Speaking on the vocational training system of the State of California and its advantages in the mechanical trades, J. C. Beswick, superintendent of Industrial Education, addressed the convention, explaining in a general way the work of his department.

A feature of the convention was a demonstration of the progress made in the use of gas as a means of illumination and for heating purposes, accompanied by an educational talk.

Resolutions calling upon the State Legislature to enact uniform laws of health and sanitation; the National Association to adopt a definite apprenticeship program in the trade; closer relations between the manufacturer, jobber and merchant plumber and the discouragement of the dumping of inferior goods on the California market by Eastern firms were adopted in the final business session. The 1924 convention was voted to Pasadena. It is yet to be determined where the 1923 convention will be held.

On Wednesday evening, May 24, a banquet was held in Elks Hall, at which snappy and instructive talks were made by: Chas. H. Julian and Sam Williams of San Diego; P. F. Howard of the Trenton Pottery Co., and Wm. Fitzgerald of the California Steam and Plumbing Supply Co., of San Francisco; Mr. Slater of the Plumbers' Trade Journal; Al Wilson of San Francisco; Harry Noble of the American Radiator Co., of San Francisco; Geo. Stack and Thos. Scott of Scott, Lyman and Stack of Sacramento and Mr. Dugdell of the Sacramento Appliance Company. Jas. Britt of San Francisco and talent secured by the Sacramento delegation assisted in passing a pleasant evening.

Closing the convention a picnic was held at Coloma, where gold was first discovered in California. The trip was made with automobiles furnished by the Sacramento delegation. At Coloma the delegates and their friends were taken over the grounds by the caretaker and shown all points of interest, following which an elaborate luncheon was had. Three rousing cheers for Sacramento delegation and committees in charge of the convention closed, the delegates say, the most successful gathering the association has yet called.

F. A. WILSON, Treasurer

JOHN L. E. FIRMIN, Secretary

The following officers were elected to serve for the coming year: D. A. Deacon of San Diego, president; A. P. Benedict of Pasadena, vice president, John L. E. Firmin of San Francisco, secretary, F. A. Wilson of San Francisco, treasurer; W. H. Cox of Fresno, H. G. Newman of Oakland and W. Goss of San Francisco were elected to fill vacancies on the State Executive Board.

Lincoln Highway Association Closes Contracts for Roads in State of Nevada

Contracts involving the prompt undertaking of $1,500,000 worth of improvement on the Lincoln Highway across Nevada have been signed by J. N. Gunn, president of the Lincoln Highway Association, following their approval by the Association's Executive Committee. The contracts which were negotiated early in the year between George W. Borden, State Highway Engineer of Nevada and official of the Association, had been previously unanimously approved by the Nevada Highway Commission and the Attorney General of Nevada, under date of April 19.

The closing of these contracts, which involve $100,000 of the Association's funds, required to assist the State of Nevada in meeting the Federal Aid provided under the terms of the Federal Highway Act for interstate highway construction, is of national interest, as representing another step toward the final completion of the Lincoln Highway across the continent and the opening of a satisfactory through road to the Pacific Coast.

All through traffic reaching the Pacific Coast north of the Colorado River and south of the Clumbia River must cross Nevada, a State half the size of France, the north boundary of which corresponds with the north boundary of Illinois, while its southernmost tip is on a line with the north boundary of Mississippi and Alabama. It is as far across Nevada by motor as it is from New York City to Cleveland, via Pittsburgh, and in this vast area are less than 80,000 people. The Lincoln Highway, traversing central Nevada, is the shortest and most direct link across that State on the road from Salt Lake City to Reno. It is of vital importance to the entire nation that this road be properly completed as soon as possible, providing uninterrupted service for that vast volume of traffic from every section of the Union headed to and from Pacific Coast points, from Los Angeles to Portland.

Federal Aid Makes Possible Completion of Way

The Lincoln Highway Association has for years been conversant with the problems to be met in providing the important Nevada link in the transcontinental road. Previous to the recent passage of the Federal Highway Act, which provided long needed relief to the Western States of large area and small population, the Association had recognized the necessity of outside assistance if the old trail of the pioneers across Nevada, now the Lincoln Highway, was to be put into proper shape for motor travel.

In 1919 the Association first offered the State of Nevada $115,000 to aid in the improvement of the worst sections, which were serving as barriers to all through travel. Two of the directors of the Association had brought about through their interest the contribution of funds totalling $150,000 to aid the Western States. W. C. Durant, then president of the General Motors Corporation, was responsible for the contribution of $100,000 to the Association from that corporation, and Mr. John N. Willys, president of the Willys-Overland Company, made possible the contribution of $50,000 from that company. It was from these funds that the $115,000 was offered to Nevada, and the money was placed in escrow in Carson City to be paid over to the State as the work progressed.

Even with this aid, Nevada found it difficult to carry through the program outlined, and when the contracts expired the first of this year but one of the stretches toward which the Association had made funds available has been undertaken, and that had not been fully completed. In accordance with the terms of the contracts, the funds offered to Nevada automatically reverted to the Association January 1, 1922.

Under the terms of the Federal Highway Act, every thousand dollars worth of highway construction undertaken on approved projects in Nevada will entitle the State to $872.30 from the Federal Government, the State thus paying but $127.70 as its share. Even this small proportion of the total cost of each road project, amounting to a little more than one-eighth, is a severe strain upon the finances of the State, and the State Highway Commission of Nevada, which has exerted every effort to bring about the early improvement of the road earnestly petitioned the Board of Directors of the Lincoln Highway Association for extended aid at this time, when it was particularly effective due to the large amount of Federal Aid money it commanded.

New Contracts Effect More Improvement

Under the terms of the arrangements just closed with the State of Nevada the Association makes available to the State the balance of the $45,500 originally offered for the completion of the Fallon Sink in Churchill County of which amount the State has, to date, used but $26,560. The contracts further provide for $10,000 as aid in the construction of the famous Frenchman's Station Mud Flats in the same County and $44,500 additional to provide for the construction between Westgate and Austin. In consideration of the Association's total contribution of $100,000 under the existing arrangements the State undertakes to bring to completion before June 1924, all of the present poor sections of the Lincoln Highway between the Utah State line and Reno, utilizing in many of the Forest Reserves crossed by the Lincoln Highway the special Road Fund provided by the Federal Highway Act for improvement within these districts. The total improvement on the Lincoln Highway which will result from the arrangements perfected will amount to about $1,500,000 this year. The Association's $100,000 commands practically $700,000 of Federal Aid which the State would have difficulty in meeting—probably could not meet—without this assistance. The remaining $15,000 tentatively held for further use on the Lincoln Highway in Nevada, it is expected, will assist improvement work between Fallon and Reno, Fallon and Carson City, and between Ely and Utah State line at Ibapah.

Governor Boyle of Nevada and the State Highway Commission are a unit with the Board of Directors of the Lincoln Highway Association in their desire to see the Lincoln Highway across the State brought to completion as promptly as possible. During the construction detours will not be necessary.

Leaves Last Gap in Utah

Were it not for the lack of cooperation in Utah, to which State the Association contributed $125,000 to provide the completion of the link between Salt Lake City and the Nevada State line, the entire Lincoln Highway from Salt Lake City to Reno would now be on the road to completion. Unfortunately the State of Utah has not carried out its contract with the Lincoln Highway Association and the improvement of any road in Utah west of Salt Lake City this year will doubtless be delayed awaiting the final decision of the Federal Government.

PACIFIC COAST ARCHITECTS WILL JUDGE HAWAII WAR MEMORIAL PLANS

Three architects, Bernard R. Maybeck of San Francisco, Ellis F. Lawrence of Portland, Ore., and W. R. Wilcox of Seattle, Wash., have been chosen by the committee on competition of the American Institute of Architects to pass judgment on the Hawaiian territorial war memorial plans. They will sail for Honolulu, Wednesday, June 7, on the Matson liner Matsonia. The memorial for which plans have been submitted and for which the territorial government of the islands has voted $175,000, will be in the form of a natatorium in Kapiolani Park; Honolulu.

P. & H. ISSUES BULLETIN ON EQUIPMENT

Bulletin 57-N, just published by the Pawling & Harnischfeger Co. of Milwaukee, describes and illustrates in its 36 pages P & H gas-driven "S-in-1" excavators of various sizes and types, including full circle swing gas shovels draglines, grab bucket cranes, material handling cranes, and other rigs to be used with this machine, as the skimmer scoop and pile-driving rig, and such accessories as may be used with these cranes, as the backfilling scraper bucket, hook and sling chains, and electro magnet. This bulletin supersedes No. 56-X with additional information on the 208 and 210 excavators. These larger machines are also mounted on the P & H corduroy traction.

WILLIAM C. EDES, RAILROAD BUILDER, DIES

William C. Edes, railroad construction engineer, died in a Southern Pacific train, May 25. He was returning from a trip to the Yosemite when stricken. Edes, who came to California thirty years ago from Boston, recently resigned as chairman of the Alaska Railway Commission, where he exerted his influence in solving the transportation problems of the Territory. For many years Edes was associated with William Hood on the engineering staff of the Southern Pacific and was considered one of the nation's authorities on railroad construction. Later he served as chief engineer of the Northwestern Pacific, and built the last link of the line to Eureka. He was a graduate of Harvard University and the Boston School of Technology.

Building News Section

APARTMENT HOUSES

Plans Being Figured.
ALTERATIONS Cost, $8000
SAN FRANCISCO. 2169 Green St.
Alter 2-room and basement from 15-room residence into flat and apartments.
Owner—Not given.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Figures are being taken for a general contract, plumbing, heating, electrical work and painting.

Plans Being Figured.
APARTMENTS Cost, $40,000
SAN FRANCISCO. Pine and Joyce Sts. bet. Powell and Stockton.
Three-story frame and plaster apartment house (18 2 and 3-room apts.)
Owner—Withheld.
Architects—G. S. Ashby and A. J. Evers, 1st Natl. Bank Bldg., San Francisco.

Contract Awarded.
STORE AND APTS. Cost, $17,000
BURLINGAME, San Mateo Co., Cal. Main Street.
Two-story reinforced concrete store and apartment building (2 stores and 4 2-room apts.)
Owner—A. S. Dandistel.
Architect—Ernest L. Norberg, Balboa Bldg., San Francisco.
Contractor—Chas. Pedersen, 118 10th St., San Mateo.

Plans Prepared.
STORE & APMNTS. Cost, $100,000
BAKERSFIELD, Kern Co., Cal. SE Eighteenth and H Streets.
Two-story and basement fireproof store and (16 2-room) apartments, 66x115.
Owner—McMahan Bros., Bakersfield.
Architect—Not Stated.

Owner to Take Figures.
APARTMENTS Cost, $48,000
SAN FRANCISCO. Leavenworth Street near Eddy.
Four-story reinforced concrete apartment house (24 2-room apts.)
Owner—C. F. Ernst.
Architects—J. H. Powers and John H. Ahnden, 460 Montgomery St., San Francisco.

Completing Plans.
APARTMENTS Cost $25,000
MARYSVILLE, Yuba Co., Cal. E and 7th Sts.
Two-story frame apartment house (8 3 and 4-room apartments).
Owner—Arthur C. Powell.
Supervising Architect — August G. Headman, Call Bldg., San Francisco.

Contract Awarded.
APARTMENTS Cost, $14,000
FRESNO, Fresno Co., Cal. 1561 Wishon Ave.
Owner—E. L. Lord, 3120 Huntington St., Fresno.
Contractor—J. D. Brase, Fresno.

Contract Awarded.
APARTMENTS Cost, $17,000
BERKELEY, Alameda Co., Cal. 2118 Hearst St.
Two-story frame (20-room) apartment house.
Owner—Miss Lizzie Evans, Hotel Carlton, Berkeley.
Architect—Not given.
Contractor—C. M. Starr, 2019 Delaware St., Berkeley.

Contract Awarded.
APARTMENTS, ETC. Cost, $100,000
SEATTLE, Wash.
Three-story concrete (basement garage) mortuary and apartments.
Owner—E. R. Butterworth & Sons.
Architect—Chas. Haynes, Melhorn Bldg Seattle, Wash.
Contractor — Arvesen & Lidral, Hoge Bldg., Seattle, Wash.

Plans Being Prepared.
APARTMENTS Cost, $100,000
PORTLAND, Ore. NE Hawthorne and 50th St.
Two-story and basement conc. (36 2 and 3-room) apartments.
Owner—Jason C. Moore.
Architect—Edw. A. Miller, 517 Henry Bldg., Portland, Ore.

Plans Complete.
APARTMENTS Cost, $45,000
SAN FRANCISCO. W Leavenworth 137·6 N Turk.
Four-story and basement reinforced concrete (23) apartments.
Owner—Carl F. Ernst, 633 Hayes St., San Francisco.
Architect—E. H. Denke, 1317 Hyde St., San Francisco.

Contracts Awarded.
FRAME BLDG. Cost, $——
SAN FRANCISCO. E Dolores St.
Three-story frame building.
Owner—D. C. H. Schultz.
Architect—A. J. Horstmann, Anglo Bldg., 16th and Mission Sts.
General Contract to M. C. Ingraham, 165 Fell St., $9200.
Plumbing to Geo. Renn, $2695.
Excavating, grading, concrete footings and concrete work to A. Lynch, 180 Jessie St., $1175.

Contract Awarded.
APARTMENT Cost, $17,500
OAKLAND, Cal. NE Park Blvd. and Everett Ave.
Two-story frame 20-room apartment house and store building.
Owner—Fred Brunette, 2301 12th Ave., Oakland.
Architect—None.
Contractor—John Almquist, 5356 Trask St., Oakland.

Plans Being Prepared.
ADDITION Cost, $35,000
SAN FRANCISCO. NE Mission and Seventeenth Sts.
One-story addition to present one-story store building (7 stores and 12 2-room apts.)
Owner—G. Lachman.
Architect—S. Heiman, 57 Post St., San Francisco.

Completing Plans.
APARTMENTS Cost, $15,000
BERKELEY, Alameda Co., Cal. College Ave. and Ashby.
Two-story frame and plaster apartment house building (2 7-room apartments).
Owner—Dr. Campbell.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $7500
SAN JOSE, Santa Clara Co., Cal.
One-story frame duplex apartment building.
Owner—Miss M. Roth, 79 Devine St., San Jose.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—H. Jorgensen, 160 Irving St., San Jose.

Experienced Ornamental Iron Draughtsman wanted for partner in long established business. Box 10, Building and Engineering News.

SEATTLE, Wash.—Architect John A. Creutzer, Leary Bldg., taking bids for excavation work in connection with proposed 6-story fireproof apartments house, to be erected for L. C. Trouthon at East Howell and Belmont Sts. Est. cost, $210,000.

BANKS

Contract Awarded.
BANK BUILDING. Cost, $40,000
SUNNYVALE, Santa Clara Co., Cal.
One-story brick or reinforced concrete bank building.
Owner—Bank of Italy.
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Contract to Be Awarded.
BANK Cost, $——
SACRAMENTO, Cal. SW Sixth and K Sts.
One-story Class A bank building.
Owner—Bank of Italy.
Architect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
Low Bidder—K. E. Parker Co., Clunie Bldg., San Francisco.
The Parker Company submitted a bid at approximately $120,000 for all work except the interior bank fittings and mechanical equipment.

Completing Plans.
BANK BLDG. Cost, $50,000
SAN FRANCISCO. SE Broadway and Columbus Ave.
One-story and basement reinforced concrete bank building.
Owner—Italian-American Bank.
Architect—Italo Zanolini, 604 Montgomery St., San Francisco.
The contract will be awarded on a percentage basis to a selected contractor.

Completing Plans.
BANK BUILDING Cost, $100,000
BERKELEY, Alameda Co., Cal. Fulton St. opposite Kittredge St.
Two-story and basement reinforced concrete bank building.
Owner—Federal Lank Bank.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
Plans will be completed in about ten days.

BONDS

TRACY, San Joaquin Co., Cal.—June 21 is date set in Banta-Carbona Irrigation district to vote bonds of $696,000 to purchase water rights and finance construction works in district. The amount of the bonds is based on the estimate of Engineer F. P. McCray. New construction will cost in the neighborhood of $500,000.

EAST SAN DIEGO, Cal.—An election will be held June 20 to vote on a $260,000 bond issue for a water distributing system.

TAFT, Kern Co., Cal.—Bonds of $80,000 voted to finance construction of additional grammar school buildings.

MADERA, Madera Co., Cal.—Bonds of $30,000 voted in Madera Grammar School District to finance school improvements.

LIVE OAK, Sutter Co., Cal.—Bonds of $45,000 voted in Live Oak Grammar School District to finance construction of new school.

VISALIA, Tulare Co., Cal.—Supervisors sell $150,000 bond issue of Tulare Union High School District for premium of $11,487, and the Taurusa School District bonds of $6000 for premium of $205. Proceeds of sales will finance school improvements.

VISALIA, Tulare Co., Cal.—Election will be held June 20 in Wildflower School District to vote bonds of $20,000 for school improvements. Trustees of district are: Helen L. Post, H. P. Burum, Mrs. Alvine Piepgrass.

MERCED, Merced Co., Cal.—City Trustees will call election to vote bonds of $77,500; of this amount $60,000 for enlarging and improving sewer system and $17,500 for development of municipal auto camp on Bear Creek. T. D. Martin, city eng.

BRENTWOOD, Contra Costa Co., Cal.—Bonds of $40,000 voted in Brentwood School District to finance construction of new grammar school. Plans are being prepared by Architect Jas. T. Narbett.

FRESNO, Fresno Co., Cal.—The third election held in the Washington Union High School District to vote bonds of $200,000 to finance construction of a new high school failed to carry.

CHURCHES

Plans Being Figured.
ALTERATIONS Cost, $22,000
SAN FRANCISCO. SE Seventh and Cleveland Streets.
Remodel church.
Owner—Greek Community Church.
Architects—J. H. Powers and John H. Ahnden, 460 Montgomery St., San Francisco.

SANTA ROSA, Sonoma Co., Cal.—Jewish residents of Santa Rosa appoint N. Levin, M. Sugarman, I. Klein, M. Shapiro and M. Freed as a committee to secure plans for the proposed synagogue to be erected on Third street. Funds are being raised to finance construction of which $2,400 is on hand.

SAN JOAQUIN, Fresno Co., Cal.—The Methodist, Baptist and Episcopalian denominations propose to erect a community church building here. A committee has been appointed to investigate sites.

FACTORIES & WAREHOUSES

Plans Being Prepared.
WAREHOUSE Cost, $80,000
PITTSBURG, Contra Costa Co., Cal.
One-story frame and corrugated iron warehouse 80x350 ft. with 87-ft. 5-story mill 20x40 in center.
Owner—California Bean Growers' Association, 120 Battery St., San Francisco.
Engineer—MacDonald Engineering Co., 149 California St., San Francisco.

Plans Being Prepared.
SHOP BLDGS. Cost, $400,000
BAKERSFIELD, Kern Co., Cal. 20 acres.
Machine shop buildings.
Owner—Atchison, Topeka & Santa Fe Railway.
Architect—Engineering Dept. of Owner, R. B. Ball, Los Angeles.

Contract awarded.
WOOLEN MILLS Cost, $12,000
EUREKA, Humboldt Co., California, Broadway and Whipple streets.
Two-story Addition to Woolen Mills.
Owner—Eureka Woolen Mills, Frank E. McGee, Vice-President, Broadway and Whipple sstreets, Eureka, California.
Architect—None.
Contractor—Mercer-Fraser Co., Eureka, Colifornia.

Plans to be Prepared.
MOTION PICTURE PLANT Cost, $——
SACRAMENTO, Cal.
Motion picture plant.
Owner—Sacramento Pictures Cptn., J. G. Hunter, Mgr. of Godarts Theatre, Sacramento, Forrest White & W. H. Jobelman.
Architect—Not Selected.

Plans Being Figured.
WAREHOUSE Cost, $——
LOS ANGELES, Cal. Los Angeles St. Between Second and Third Sts.
Four-story Class A warehouse, 55x180.
Owner—Hoffman Hardware Co.
Architect—Albert C. Martin, 430 Higgins Bldg., Los Angeles.

Contract Awarded.
WAREHOUSE Cost, $39,179
OAKLAND, Alameda Co., Cal. Park Ave. and Hubbard St.
Concrete warehouse.
Owner—Jay C. Mills.
Architect—Albert C. Martin, Higgins Bldg., Los Angeles.
Contractor—Lawton & Vezey, Call Bldg., San Francisco.

Plans Being Prepared.
ADDITION Cost, $60,000
SAN FRANCISCO. Sacramento St., in wholesale district.
Three-story and basement Class A addition, 20x120 ft., to present three-story mercantile building.
Owner—Not given .
Architect—A. A. Cantin, 68 Post St., San Francisco.

Contracts Awarded.
MACHINE SHOP Cost, $15,000
SAN FRANCISCO, S Folsom St., bet. Fifth and Sixth Streets.
One-story brick and hollow tile machine shop.
Owner—Louis R. Lurie.
Architect—S. Heiman, 57 Post St., San Francisco.
Concrete Work to L. Vannucci, 16th and Church Sts.
Brick Work to H. Drake, 180 Jessie St.
Carpenter Work to Louis Cohn, 110 Sutter St.

Contract Awarded.
INDUSTRIAL BLDGS. Cost, $5000 each
SAN FRANCISCO. Natoma St. bet. 1st and 2nd Sts.
Two one-story and mezzanine reinforced concrete industrial buildings.
Owner—Bothin Real Estate Co.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Contractor—Cahill Bros., 110 Sutter St., San Francisco.

OAKDALE, Stanislaus Co., Calif.—F. Longlis, owner of Union Steam Laundry, granted permit by city trustees to erect $8,000 brick, 32 by 80-ft. laundry building. H. B. Himes has contract.

PORTLAND, Ore.—Architects Claussen, Macleay Building, taking bids for 1-story, 86x192x42-ft. mill construction factory for Bergman Shoe Co. Bids close June 3.

RIVERBANK, Stanislaus Co., Cal.—Pacific Asbestos Co., contemplates erection of storage and sales warehouses in this town. Riverbank Booster's Club has appointed committee to make company offers of free sites. Committee consists of R. W. Hobart, D. H. Grant and Dr. O. I. Bemis.

OAKLAND, Cal.—Until June 8, 12 m., bids will be rec. by Eugene K. Sturgis, city clerk, for fur. and del. lumber for wharf construction at Quay Wall. Bond of $2000 required of successful bidder. Spec. may be had from clerk. Ralph Beebee, harbor eng.

SAN DIEGO, Cal.—San Diego Consolidated Gas & Electric Co. has been authorized by the Railroad Commission to issue and sell $535,700 of its 7% cum. pfd. stock at not less than par, to provide funds to construct an additional gas holder and accessories.

BAKERSFIELD, Kern Co., Cal.—The icing plant of the Santa Fe in Bakersfield will have its capacity doubled by the erection of a new building. The capacity of the present plant is 5000 tons. The new plant will cost $40,000, and will be constructed to take care of the greatly enlarged fruit business of this section.

PETALUMA, Sonoma Co., Cal.—The Petaluma Co-operative Creamery Company has purchased the lot on Western Ave., adjoining their present plant, and are planning to erect an addition to their building.

FLATS

FLATS. Cost, $8000 each
To be done by day's work.
SAN FRANCISCO. E. Hemway Terrace, 108-4, 141-8, 175, 208-4 and 241-8 N Fulton. Five two-story and basement frame flats (2 flats in each.)
Owner—W. L. Hemminga, 47 Ashbury Street, San Francisco.
Architect—None.

Plans Being Prepared.
FLATS Cost, $12,000
SAN FRANCISCO. Hartford St.
Two-story and basement frame and plaster flat building (2 5-room flats and basement garage).
Owner—Not given.
Architect—Richard R. Irvine, 507 Call Bldg., San Francisco.

Plans Being Prepared.
FLAT & STORE Cost, $7000
SAN FRANCISCO. Richmond District.
Two-story frame store and flat building (1 3-room flat and store).
Owner—Not given .
Architect—Richard R. Irvine, 507 Call Bldg., San Francisco.

To Be Done by Day's Work.
FLATS Cost, $10,000
SAN FRANCISCO. SW 1st Ave and Balboa.
Two-story and basement frame (4) flats.
Owner—Wm. A. Miller, 638 5th Ave., San Francisco.

Contract Awarded.
FLATS Cost, $11,500
BERKELEY, Alameda Co., Cal. 2247 Cedar St.
Two-story frame 12-room flats.
Owner—Dr. W. F. Clark, 1941 Carlton St., Berkeley.
Contractor—M. P. Brasch, 2734 Ashby Ave., Berkeley.

Plans Being Figured.
FLATS Cost, $12,000
SAN FRANCISCO. E Franklin 40 S Francisco St.
Three-story frame (3) flats.
Owner—A. Finocchio, Rivoli Hotel, Grant Ave., San Francisco.
Architect—Italo Zanolini, 504 Montgomery St., San Francisco.

GARAGES

Plans Being Prepared.
GARAGE. Cost, $25,000
FRESNO, Fresno Co., Cal. E L St 50 S Kern.
One-story brick and concrete garage, 100x150.
Owner—E. Y. Foley.
Lessees—Hamilton and Robert M. Munden.
Architect—Not given.

Contract Awarded.
GARAGE Cost, $9,000
OAKLAND, Alameda Co., Cal. S E-Fourteenth St. 50 E 35th Ave.
One-story tile garage.
Owner—A. S. Watson, SW 33rd Ave. and Footbill Blvd., Oakland.
Architect—None.
Contractor—Marshall & Burks, Bacon Bldg., Oakland.

GOVERNMENT WORK AND SUPPLIES

SAN DIEGO, Cal.—Until 11 a.m. June 14, bids will be rec. by Bureau of Yards and Docks, Washington D. C., for the construction of reinf. conc. bulkhead at the San Diego Naval Base. Spec. No. 4651 may be obtained from Public Works Officer, Loma Portal, San Diego.

PORTLAND, Ore.—Until June 9, 10 a.m., bids will be rec. by C. H. Purcell, District Eng., U. S. Bureau of Public Roads, 316 Postoffice Bldg., to surface Sec 2 of Mt Hood Loop road, located partly in Oregon National Forest, approx. 10 miles. Involv. 20,000 cu. yds. crushed rock and gravel. Separate bids, same date, to surface Sec. 1 of same road, involv. 20,000 cu. yds. crushed rock and gravel. Separate bids same date, to const. and improve Blewett Pass, Sec. 1, National Forest project located in Kittitas County, approx. 10.3 miles in length.

SAN DIEGO, Cal.—Until 11 a.m., June 14, bids will be rec. by Bureau of Yards and Docks, Navy Dept., Washington, D. C., for constructing five double-section hangars, erection shop, pumphouse, oil and plant storehouse, one 40,000-gal. gasoline tank and oil tanks, hand operated and motor driven pumps, conc. roads, gasoline distributing lines, water mains, electric lines etc., for San Diego Naval Station. Spec. No. 4581 may be obtained from Public Works Officer, Loma Portal, San Diego.

WASHINGTON, D. C.— Bids are wanted by Bureau of Supplies and Accounts, Navy Department, for furnishing materials to Navy Yards; date for opening bids noted at the end of each paragraph:

Schedule 9661. Eastern and western yards, 16 boiler feed pumps, motor-driven, with spare parts and wrenches, for battleships. June 13.

Sched. 9665 Eastern and western yards, 9 motor-driven fuel oil pumps with motor and control panel and spare parts for battleships; June 13.

Sched. 9667 Eastern and western yards, 20 centrifugal separators and electrical and mechanical spare parts, including motors and control panels for battleships; June 13.

Sched. 9670. Eastern and western yards, miscellaneous various kinds of packings; June 30.

Sched. 9674. For San Diego, Cal., 1 motor-driven screw machine No. 3; June 20.

Sched. 9680. For Mare Island and Puget Sound, 62,000 gals. raw linseed oil; June 20

SAN DIEGO, Cal.—Bids for the construction of a creosoted pile pier at the Loma Portal naval training station will be called for early in June. Plans have been approved and forwarded to the Bureau of Yards and Docks. An appropriation of $75,000, for a 1000-ft. seawall at North Island air station, has been made by the bureau of aeronautics, navy department.

WASHINGTON, D. C., Bureau of Yards and Docks, Navy Dept.—Bids are wanted until June 14, Spec. 4646, for constructing landing platform at San Diego, Cal. Deposit for plans, $10. Address above.

WASHINGTON, D. C., Bureau of Yards and Docks, Navy Dept.—Bids are wanted until June 14, Spec. 4636, for constructing wards and service building at the Naval Hospital, San Diego, Cal. Address above.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 26, 1922.—SEALED PROPOSALS will be opened in this office at 3 p.m. June 20, 1922, for a Sewage Disposal Plant at the United States Veterans' Hospital at Tucson, Arizona. Drawings and specifications may be obtained from Superintendent J. W. Roberts, Room 402 P. O. Building, San Francisco, Cal., or from this office in the direction of the Supervising Architect.

JAS. A. WETMORE,
Acting Supervising Architect.

MARE ISLAND, Cal.—Bids were received as follows May 31 by the Public Works Officer at Mare Island, for furnishing and depositing approximately 18,000 tons of riprap along the outboard face of Dike 12, under Spec. No. 4653: Daniel Contracting Co., 903 Market St., San Francisco, $1.90 per ton, limit 180 days; Healy-Tibbitts Const. Co., San Francisco, $1.98 per ton, 240 days.

WASHINGTON, D. C., Bureau of Yards and Docks, Navy Dept.—Bids are wanted until June 14, Spec. 4624, for mooring dolphins and timber piers at San Diego, Cal. Deposit for plans, $10. Address above.

MONTEREY, Cal.—Bids were received May 31 by the U. S. Government for the construction of 39 mess kitchens, 44 bathrooms, 44 latrines and an incinerator, to be erected at the Del Monte Camp in Monterey County. (Captain L. I. Cook, Presidio of Monterey, is in charge of the work).

All Work Except Incinerator

Hannah Bros., 142 Sansome St., San Francisco	$10,970
I. L. Codd	11,406
P. H. Dean	14,893
G. M. Latta	15,244
Lange & Bergstrom, S. F.	15,296
McCreary & Millar	16,923
W. P. Sweeney	18,646

Incinerator

Chas. D. Casper and Louis Davis, Monterey	$950
John Pausner	1050

FORT MASON, Cal.—The following bids were received on May 15, 1922, by the Constructing Quartermaster's Office at Fort Mason for the construction of a one-story and basement reinforced concrete storehouse 46x140. Bids were forwarded to Washington. Bids were received on the following propositions: (1) Construction only; (2) electric wiring; (3) electric fixtures.

Union Construction Co. Balfour Bldg., (1) $19,438; (2 and 3) $972.

Wm. Martin, San Francisco, (1) $21,324; (2) $1172; (3) $130.

Schulder & McDonald, (1) $20,687; (2) $342; (3) $168.

Louis Cohn, San Francisco, (1) $22,865; (2 and 3) ——.

M. E. Ryan, Sand Francisco, (2) $852; (3) $117.

Severin Electric So., San Francisco, (2 and 3) $975.

F. E Newbery Electric Co., San Francisco, (2) $1033; (3) $150.

A. W. Howard, (2) $1172; (3) $130.

MARE ISLAND, Solano Co., Cal.—Until June 14, 11a.m., bids will be rec. by Public Works Officer, Mare Island Navy Yard, under Spec. 4660, for dredging at the Naval Coal Depot (California City point) Tiburon, California. **See call for bids under official proposal section in this issue.**

HALLS AND SOCIETY BUILDINGS

Plans Being Figured.
CLUB HOUSE Cost, $50,000
GLENDALE, Los Angeles Co., Cal.
Brick and hollow tile club house
Owner—Tuesday Afternoon Club.
Architect — Alfred F. Priest, 618 Fay Bldg., Los Angeles.
Separate bids on general contract, wiring, heating and ventilating, electric fixtures, decorating, lawn sprinkling system.

HOTELS

Permit Applied for
LODGING HOUSE Cost, $45,000
STOCKTON, San Joaquin Co., Calif., East Main street
Store and lodging house.
Owner—Hattie Gall, 125 E Vine street.
Architect—Not given, Stockton

Preliminary Plans Being Prepared.
HOTEL Cost, $150,000
LOS ANGELES, Cal W Ocean Ave. near American Ave.
Four-story and basement Class C hotel, 100x176 (113 rooms 75 bathrooms)
Owner—Mr Horsley
Architect—Leonard L. Jones, 472 Pacific Electric Bldg., Los Angeles

Contracts Awarded.
HOTEL Cost, $——
SAN FRANCISCO SW Eddy and Mason Sts.
Complete 6-story and basement brick hotel and store building, 158 rooms (only the four walls and partitions have been completed).
Owner—J. K. Prior Estate.
Lessee—Della Steele.
Managers of Construction—Kenneth MacDonald and Maurice Couchot, 234 Pine St., San Francisco.
For seven years the structure has stood an uncompleted and unused shell. Architect Earle R. Scott, deceased, prepared the original plans.
Structural steel etc. awarded to Dyer Bros., 17th and Kansas Sts., $8500.
Excavating, concrete, carpentry and millwork to Barrett & Hilp, 918 Harrison St., $44,725.
Lathing and plastering to MacGruer & Simpson, 266 Tehama St., $28,056.
Plumbing and heating to F. E. Hooper, 3606 20th St., $26,211.
Elevators to Otis Elevator Co., Beach and Stockton Sts., $11,000.
Painting and decorating to D. Zelinsky & Sons, 180 Jessie St., $7175.
Glass and glazing to W. P. Fuller & Co., Beale and Mission Sts., $1600.
Ornamental iron work to C. J. Hillard & Co., 19th and Minnesota Sts. $3106.
Marble work to J. E. Back & Co., 1533 San Bruno Ave., $1185.
Composition flooring to Malott & Peteson, 2412 Harrison St., $1498.
Tile work to Rignty Tile Co., 2148 Telegraph Ave., Oakland, and 180 Jessie St., San Francisco, $564.
Lobby fronts to Cobbledick & Kibbe, 175 Jessie St., $245.
Electrical work to Collonan Elec. Mfg. Co., 3211 Mission St., $4060.

Sketches Prepared.
HOTEL Cost, $300,000
MARYSVILLE, Yuba Co., Cal.
Six-story fireproof hotel (150 rooms).
Owner—Chamber of Commerce Hotel Committee.
Architect—Ward & Blohme, 454 California St., San Francisco.
The money is now being raised.

Contracts Awarded.
ALTERATIONS Cost, $25,000
SAN FRANCISCO. NW Taylor and Eddy Sts.
Alter five-story fireproof hotel (alter stores, new store fronts, etc.)
Owner—Ritz Hotel.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Millwork to National Mill & Lumber Co., 318 Market St.
Carpenter work to L. Fontanella, 1682 Eddy St.
Marble work to J. E. Back, 1533 San Bruno Ave.
Store fronts to Pacific Builders' Supply Co., 180 Jessie St.

Plans Being Figured.
HOTEL Cost, $175,000
LOS ANGELES, Cal. Fourth St. near Los Angeles St.
Seven-story and basement Class A hotel building, 60x120.
Owner—Salvation Army.
Architect—Arthur S. Heineman, 831 San Fernando Bldg., Los Angeles.

PUBLIC BUILDINGS

Commissioned to Prepare Plans.
CITY HALL Cost, $600,000
STOCKTON, San Joaquin Co., Cal. Weber Ave. and American.
Six or seven-story Class A City Hall building.
Owner—City of Stockton.
Architect—J. Pearce of Davis-Heller-Pearce Co., Jos. Loseckann of Loseckann & Clowdsley, and Pete Sala, Delta Bldg., Stockton (as a firm).
The bonds have been voted.

RESIDENCES

Excavating and Concrete Contracts Awarded.
RESIDENCE Cost, $20,000
SAN FRANCISCO St Francis Wood
One-story frame and stucco residence.
Owner—Hart Weaver.
Architect—H. H. Gutterson.
Excavating awarded to Jas. Leonard, 180 Jessie St., San Francisco.
Concrete work to R. Milano & Son, 443 Bellevue Ave., San Francisco.

Contract Awarded.
RESIDENCE Cost, $17,000
SAN MATEO, San Mateo Co., Cal.
Two-story and basement frame and plaster residence wih tile roof (10 rooms, sleeping porch and garage).
Owner—Carl H. Beal.
Architect—John K. Branner, 251 Kearny St., San Francisco.
Contractor—C. H. Bessett, 660 Market St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $9000
SAN FRANCISCO. Santa Clara Ave., St. Francis Wood.
Two-story frame and plaster residence (7 rooms and garage).
Owner—Harold M. Dinsmore.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Contractor — A. C. Hamerton, 475 Dewey Blvd., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $3000
SAN RAFAEL, Marin Co., Cal.
Alter residence.
Owner—Mrs. Watkins.
Architects—Welsh & Carey, Merchants National Bank Bldg., S. F.
Contractor—Peter Hamilton, Lansdale.

To be Done by Day's work.
ALTERATIONS Cost, $10,000
SAN RAFAEL, Marin Co., Cal.
Alter two-story frame residence which was erected in 1855, into modern bungalow.
Owner—Tompkins.
Architects—Welsh & Carey, Merchants' National Bank Bldg., S. F.

Contract Awarded.
RESIDENCE Cost, $16,000 approximately.
SAN RAFAEL, Marin Co., Cal.
Two-story frame and plaster residence with tile roof (10 roome and 3 bathrooms).
Owner—M. M. Tompkins.
Architects—Welsh & Carey, Merchants National Bank Bldg., S. F.
Contractor—Peter Hamilton, Lansdale.
Plumbing awarded to W. G. Googin, San Rafael.

Plans Being Figured.
RESIDENCE Cost, $9000
SAN RAFAEL, Marin Co., Cal.
Two-story frame and plaster residence.
Owner—James Hyde.
Architect—Meyer & Johnson, 742 Market St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $7173
OAKLAND. Excelsior Ave in Lakeshore Highlands.
One-story frame and plaster residence.
Owner—V. T. Buckley.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—J. A. Marshall, 6320 Florio St., Oakland.

Plans Being Prepared—To be Done by Day's Work.
RESIDENCES $19,000 each
SAN FRANCISCO. Thirtieth Ave. bet. Lake and El Camino del Mar.
Four two-story frame and plaster residences.
Owner—Allen & Co.
Architect—Earle Bertz, 168 Sutter St., San Francisco.
Steel beams and girders are to be used in the framework so as to leave the basements free from posts and allow for the turning of an automobile in the free space. This is intended to solve a problem often encountered by the householder who uses his basement for a garage.

Contract Awarded.
RESIDENCE Cost, $12,000
WOODLAND, Yolo Co., Cal. Fifth and Cross Streets.
Two-story frame and stucco residence
Owner—J. I. McConnell, Woodland.
Architect—Not Given.
Contractor—E. L. Younger, Woodland.

Contract Awarded.
RESIDENCE Cost, $125,000
SEATTLE, Wash. Harvard and Boylston Aves.
Three-story and basement (brick and concrete (30 rooms) residence.
Owner—B. A. Garber.
Architect—Schack, Young & Myers, Lippy Bldg., Seattle Wash.
Contractor—Western Construction Co., Seaboard Bldg., Seattle, Wash.

Contract Awarded.
RESIDENCE Cost, $——
SAN FRANCISCO. St. Francis Wood.
Two-story frame and plaster residence (Italian style).
Owner—Edw. L. Dial, Kohl Bldg., San Francisco.
Architect—C. A. Tantau, 251 Kearny St., San Francisco.
Contractor—Mangels Bros., 4792 Mission St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $13,290
BERKELEY, Alameda Co., Cal. Lot 47, Blk 3, North Cragmont.
Two-story frame residence and garage (7 rooms).
Owner—F. T. and E. C. Bioletti, 1708 Main St., Berkeley.
Architect—Lillian Bridgeman.
Contractor—Conner & Conner, Berkeley and Shattuck Aves., Berkeley.

Contract Awarded.
ADDITION Cost, $15,000
SAN FRANCISCO. 3020 Pacific Ave.
Addition to residence.
Owner—Andrew G. Griffin, 311 California St., San Francisco.
Architect—Bliss & Faville, Balboa Bldg San Francisco.
Contractor—D. B. Farquharson, 1760 Ellis St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $10,000
OAKLAND, Alameda Co., Cal. S Vernon 200 E Santa Rosa.
Two-story 10-room frame residence.
Owner—Mrs. Ella E. Richardson, 461 Vernon St., Oakland.
Architect—None.
Contractor—J. Dawson, 2121 Durant St., Berkeley.

Owner Taking Figures.
RESIDENCE Cost, $14,000
SAN JOSE, Santa Clara Co., Cal. The Alameda.
Two-story frame and plaster residence.
Owner—Frank King.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Plans Being Prepared.
RESIDENCE Cost, $25,000
WOODBRIDGE, San Joaquin Co., Cal.
Two-story brick residence .
Owner—D. C. Woodworth, Woodbridge.
Architect and Contractor—Davis-Heller-Pearce Co., Delta Bldg., Stockton.

Sketches Being Prepared.
ALTERATIONS. Cost, $——
SAN FRANCISCO. 1150 Sacramento St. near Taylor.
Alter 2-story concrete and brick residence.
Owner—Wm. Sproule, President Southern Pacific Co.
Architect—Bliss & Faville, Balboa Bldg., San Francisco.

Plans Being Prepared.
ALTERATIONS Cost, $7000
SAN MATEO, San Mateo Co., Cal. No. 100 West Poplar St.
Alter and add to frame residence.
Owner—Mrs. John L. McGinn.
Architect—Miss Grace Jewett, 57 Post St., San Francisco.

A. E. Leitch Fred Clark
CLARK & LEITCH ROOFING CO.
Successors to E. S. Warner
Office and Warehouse:
1116 SECOND ST., SACRAMENTO
Phone Main 726

SCHOOLS

SAN MATEO, Cal.—The Board of Trustees of the San Mateo Grammar School District in San Mateo received the following bids on May 29, for the constructing of two frame grammar school buildings from plans prepared by Architects J. J. Donovan, Perry Bldg., Oakland, and S Schnaittacher, 233 Post St., San Francisco, associated. All bids were taken under advisement.

Chas Pedersen, 118 10th Ave., San Mateo: Central School, $72,600; Poplar School, $61,900; total, $134,500. Alternate (1) $4200; (2) $3200 (3) $3565.

Barrett & Hilp, San Francisco: Central School, $87,169; Poplar School, $76,998; total, $164,667. Alternate (1) $58044; (2) $3025; (3) $4354.

Jas. L. McLaughlin, San Francisco: Central School, $77,000; Poplar School, $73,000; total, $150,000. Alternate (1) $4800; (2) $5800; (3) $4000.

Mathies & Gale, San Francisco: Central School, $81,235; Poplar School, $74,978; total, $156,213. Alternate (1) $4880; (2) $2289; (3) $3850.

West Coast Constr. Co., San Francisco: Central School, $74,438; Poplar School, $73,600; total, $148,038. Alternate (1) $4574; (2) $3686; (3) $1761.

T. F. Reilly, San Francisco: Central School, $77,800; Poplar School, $64,900; total, $141,900. Alternate (1) $5400; (2) $4600; (3) $3900.

Ward & Jones, San Francisco: Central School, $75,490; Poplar School, $64,260; total, $139,750. Alternate (1) $4744; (2) $3750; (3) $3790.

Hannah Bros., San Francisco: Central School, $72,500; Poplar School, $69,500; total, $142,000. Alternate (1) $4500; (2) 5600; (3) $3500.

Heating and Plumbing

E. C. Cottier, San Mateo: Central School, $12,872; Poplar School, $10,453. Total, $23,325.

Carl T. Doell, Oakland: Central, $13,423; Poplar, $11,374. Total, $24,797.

J. F. McGowan, San Francisco: Central, $14,698; Poplar, $10,921. Total $25,139.

Electrical Work

Watts Electric Co., 133 4th St., San Francisco: Central School, $3020; Poplar School, $3150. Total $6170.

M. E. Ryan, San Francisco: Central, $3185; Poplar, 3535. Total, $6720.

Newbery Electric Co.: Central, $3436; Poplar, $3464. Total $6900.

Smith Electric Co.: Central, $3614; Poplar, $3445. Total, $7059.

J. A. Foster: Central, $3765; Poplar, $3765. Total, $7520.

Standard Electric Co.: Central, $4500; Poplar, $4000. Total, $8500.

SAN FRANCISCO.—Following bids received by Board of Public Works to construct Andrew Jackson School:

General Construction

O. Monson, 251 Kearny St. (low)	$125,330
Louis J. Cohen	131,321
Robt. Trost	137,618
Anderson & Ringrose	129,170

Bid of P. F. Reilly not considered, as certified check was not 10% of amount bid.

Electric Work

Standard Elec. Const. Co., 80 Natoma St. (low)	$4870
M. E. Ryan	5200
Globe Elec. Wks.	5500
Butte Elec. & Equip. Co.	5229
Severin Elec. Co.	6300

Heating and Ventilating

Scott Co., 243 Minna St. (low)	$6760
A. Lettich	8414
J. O'Mara	7790
P. J. Enright	6900

Plumbing

A. Lettich, 365 Fell St. (low)	$7077
Thos. Skelly	8008
J. O'Mara	8300

Figures to be Taken in About Two Weeks.
ADDITION Cost, $125,000
CONCORD, Contra Costa Co., Cal.
Two-story reinforced concrete addition to high school.
Owner—Mt. Diablo High School District
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Bonds to the amount of $125,000 were sold in March.

Plans Being Figured—Bids Close June 9, 1922, 9 A. M.
SCHOOL Cost, $275,000
LOS ANGELES, Cal. SE Fourth and Fickett Sts. (Roosevelt High School.)
Two and three-story brick, terra cotta and plaster school, 132x356. (26 rooms and an auditorium).
Owner—L. A. Board of Education.
Architects—Hunt & Burns, Laughlin Bldg., Los Angeles.
Bids will be taken separately on general construction, plumbing, painting, heating and wiring.

Contract Awarded.
ADDITION Cost, $10,800
CUPERTINO, Santa Clara Co., Cal.
Frame 2-room addition to present school.
Owner — Cupertino Grammar School District.
Architect—Chas. J. McKenzie, Bank of San Jose Bldg., San Jose, Cal.
Contractor—Wm Myers, Cupertino.

Contract Awarded.
SCHOOL ANNEX. Cost, $63,135
STOCKTON, San Joaquin Co., Cal.
Brick and concrete 8-room annex to Jefferson School.
Owner—Stockton Board of Education.
Architect—Peter Sala, 208 Wilhoit Bldg., Stockton.
Supervising Architects—Davis-Heller-Pearce Co., Delta Bldg., Stockton.
Contractor—Chutes & Zinck, Stockton.
Heating system awarded to E. L. Gnekow, 647 E. Main St., Stockton, at $10,278.

Plans Being Prepared. Bonds Voted.
SCHOOL. Cost, $40,000
LIVE OAK, Sutter Co., Cal.
One-story frame and brick veneer school.
Owner—Live Oak Grammar School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

Date of Opening Extended.
Plans Being Figured—Bids Close June 19, 1922, 8 p.m.
SCHOOL Cost, $25,000
SANTA ROSA, Sonoma Co., Cal.
One-story frame and stucco school (4 classrooms and an assembly hall)
Owner—Lewis School District.
Architect — Norman B. Coulter, 46 Kearny St., San Francisco.
The date has been extended from June 10 to June 19.

OAKLAND, Cal.—Bids were received as follows on June 1 by the Oakland Board of Education for the construction of two-story brick school building to be known as "Elmhurst School," to be located on 98th Ave. and Birch St. All bids were taken under advisement:

General Contract

M. E. Hopper & Son, 1117 Webster St., Oakland, $54,980; $9000; $21,580.
J. M. Bartlett, Oakland, $55,500; $7990; $13,462.
West Coast Const. Co., San Francisco, $57,714; $8985; $12,722.
W. G. Thornalley, Oakland, $58,440; $7820; $12,674
R. W. Littlfield, Oakland, $58,490; $5000; $9048.
John Morton, San Francisco, $62,426; $10,684; $25,818.

Plumbing

J. B. Cruz, 689 20th St., Oakland, $5246; $60; $327
Scott Co., Oakland, $5826; $128; $587.
Carl T. Doell, Oakland, $6330; $278; $639.
A. Feldhammer, Alameda, $7388; $200, $500.

Heating

F. L. Warner, 2206 San Pablo Ave., Oakland, $7640; $560, $820.
Scott Co., $8172; $666; $738
Carl T. Doell, $8792; $739; $779.
W. K. Nottingham, $9566; $666, $666.
Oakland Sheet Metal Work, $8711, $482, $879.

Electrical Work

Standard Elec. Constr. Co., 80 Natoma St., San Francisco, $8786; $412; $1586.
F. E. Newbery, $9049; $504; $2010.
Kings Elec. Co. $9200; $350; $2290.
Roberts Mfg Co., $10,700; $475; $2525.
M. E. Ryan, San Francisco, $8954; $152; $2159.
Turner Co., $9830; $250; $2710.

Lathing and Plastering

A. Knowles, Call Bldg., San Francisco, $6900; $880; $870.
Geo. Dixon, $7387; $1247; $2247.
T. D. Sexton, $7747; $1220; $2566.

Brick Work

White & Gloor, Monadnock Bldg., San Francisco $8445
Mealey & Collins, San Francisco. 9270
Herbert Beckwith 9445

LOS ANGELES, Cal.—Until 9 a.m., June 7, bids will be rec. by board of education, 729 Security Building, for air compressor set at Manuel Arts high school. Specification on file with Wm. A. Sheldon, secretary. Cert. check or bond 5%.

LOS ANGELES, Cal.—The following bids were received by the Board of Education for erecting boys' and girls' gymnasiums at L. A. high school site: John C. Austin, 1125 Baker-Detwiler Bldg., archt. **General Contract**—K. R. Bradley Const. Co., $73,250 for boys' gymnasium and and $82,998 for girls' gymnasium; Geo. F. Barber, $75,650 and $85,700; Bavin & Burch Co., $79,768 and $87,650; J. F. Kobler, $80,464 and $88,-695. **Plumbing**—W. S. Goodrich, $6410 and $6850; Arthur Hess, $6609 and $6857; E. W. Crowell Co., $7069 and $7327. **Wiring**—Renard-Stary Elec. Co., $1725 and $1200; Prewitt Elec. Co., $1747 and $1197; Woodill-Patterson Co., $1810 and $1254; Newbery Elec. Corp., $1836 and $1414; American Elec. Const. Co., $2113 and $1521.90. **Painting**—D. Zelinsky & Son, $2712 and $3652; Arenz-Warren Co., $2926 and $3526; Alhambra Wall Paper & Paint Co., $2931 and $3821; H. H. Mann, $4450 and $5898. Heating—(a) $10,975 for boys' gym; (b) $6992 for girls' gym; (c) $11,926 for new boiler; (d) both bldgs., $17,-787; J. Hokom (a) $9458; (b) $6375; (c) $10,367; (d) both bldgs. and boiler, $25,739; F. J. Donnelly (a) $9762; (b) $6599; (c) $12,600; (d) both bldgs. and boiler, $27,410; Frank Davidson (a) $11,416; (b) $7120; (c) $11,109; (d) both bldgs., $13,530. Hoagland-Lakin Co. (a) $11,190; (b) $7180; (c) $9694; (d) $13,135. Llewellyn Iron Works submitted a bid of $5940 for furnishing new boiler only. Bids were also submitted on a number of alternate propositions which could affect the relative standing of the bidders if accepted by the board. Also in several instances the contractor who was low on one bldg. was not low on the other. Bids taken under advisement.

LOS ANGELES, Cal.—Richardson Bldg. & Engineering Co., 1127 Story Bldg., L. A., was low bidder at $53,700 on gen. contr. for new building at Cheremoya school site; Harwood Hewitt, 1130 Van Nuys Bldg., archt. Low bidders on other contracts were Lohman Bros. on plumbing, at $5100; Thos. Haverty Co. on heating at $3773; Renard-Stary Electric Co. on wiring at $1950; and D. Zelinsky & Son on painting $2925. Brick const., 2-story, 111x73 ft., plas. exter., tile rf., pine trim, maple floors

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LOS ANGELES, Cal.—Jacobs Constr. Co., H. W. Hellman Bldg., L. A., was low bidder at $65,964 on general cont. for new Castelar St. school building. Pierpont and Walter S. Davis, architects. Low bidders on other contracts were: Lohman Bros. on plumbing at $7450; D. Zelinsky on painting at $2342; F. B. Potter Elec. Co. on wiring at $2475. Two-story, 132x96 ft., 12 rooms, brick const., plas. exter., tile rf., pine trim, maple floors

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BAKERSFIELD, Kern Co., Cal.—Until June 5, 8 P. M., bids will be received by W. J. Walters, Clerk, Kern County Union High School District, to install lighting fixtures in Ludden Hall of the high school. Chas H. Biggar, 405 First National Bank Bldg., Bakersfield, Architect.

SAN FRANCISCO.—Until June 5, 10 A. M., bids will be received by M. R. Norris, Secretary Board of Education, 287 City Hall, for furnishing shades for Guadaloupe, McKinley and Parkside schools and shades and stage curtain for Bernal School.

TURLOCK, Stanislaus Co., Cal.—Robert Dalziel Jr., 218 1st St., San Francisco, submitted the lowest bid at approximately $5500 for furnishing and installing of an extra heating plant for the Hawthorne Grammar School, in accordance with plans and specifications heretofore made by Leland & Haley, engineers, 58 Sutter St., San Francisco.

LOS ANGELES, Cal.—J. B. Dawson, Fay Bldg., L. A., was low bidder at $46,640 on gen. contr. for new school bldg. on Manchester Ave. school site. Train & Williams, architects. Low bidders on other contracts were: Dresher & Heinsbergen, on painting at $2790; American Elec. Const. Co. on wiring at $1048.30; Thos. Haverty Co. on heating at $2836; and E. W. Crowell Co. on plumbing at $2169. Brick const., 2-story, 10 rooms, select common brick facing, comp. rf., pine trim, maple floors.

KEENE, Kern Co., Cal.—Until June 10, 11 a.m., bids will be rec. by B. A. Korf, clerk Keene School District, to const. 1-room frame school building. J. M. Saffell, 924 19th St., Bakersfield, architect. **See call for bids under official proposal column in this issue.**

CROCKETT, Contra Costa Co., Cal.—Until June 15, 8 p.m., bids will be rec. by J. C. Andersen, clerk Carquinez School District, to const. 1-classroom addition to Valona School. Plans may be had from clerk at Crockett.

RAYMOND, Madera Co., Cal.—Until June 12, bids will be rec. by E. L. McCapes, P. O. Box 103, Raymond, to erect building at Raymond high school. Plans on file in office of County Supt. of Schools at Madera.

SAN FRANCISCO.—Until June 7, 3 p. m., bids will be rec. by Board of Public Works for electric work for Mission High School temporary buildings at 18th and Dolores Sts. Est. cost, $2000. Spec. may be had from Bureau of Architecture, 2nd floor, City Hall.

CAMPBELL, Santa Clara Co., Cal.—Until June 14, 8 p.m., bids will be rec. by Chas. DeSelle, clerk Campbell Union Grammar School District, for fur. 1000 opera chairs for school auditorium. **See call for bids under official proposal section in this issue.**

SACRAMENTO, Cal.—The State Department of Engineering received the following bids on May 31 for the construction of a two-story reinforced concrete structure with tile roof (training school and locker room building) to be erected at the San Diego Teachers' College:

A. E. Keys, San Diego, $19,880; time, 90 days; Campbell Bldg. Co. of Utah, $20,947, 90 days; W. E. Kier Const. Co., San Diego, $21,979, 130 days; Wright & Doran, San Diego, $23,000, 100 days; Lang & Bergstrom, San Diego and S. F., $24,000, 120 days; de Waard & Cobham, San Diego, $26,947, 120 days; Brawner & Hunter, $28,896, 120 days; Eckles, Lowerison & Wolstencroft, $29,200, 130 days.

SANTA CLARA, Cal.—The following bids will be received on May 29 by the Board of Trustees of the Santa Clara High School District for shades for the high school building now under construction. No bids were received for the plumbing on the gymnasium, and bids have been readvertised for to be opened on June 19. W. H. Weeks, 369 Pine St., San Francisco, is the architect.

Shades

Stewart Sales Co., San Francisco. $1235
D. N. & E. Walter Co., S. F. 1498
W. & J. Sloane, S. F. 1680

WELDON, Kern Co., Cal.—Until June 10, 10 P. M., bids will fe rec. by A. J Alexander, clerk South Fork Union Grammar School District, to erect 3-room cement school building. J. M. Saffell, 924 19th St., Bakersfield, architect. **See call for bids under official proposal section in this issue.**

ALHAMBRA, Los Angeles Co., Cal.—Architects Hunt & Burns, 701 Laughlin Bldg., Los Angeles, have been commissioned to prepare plans for a new auditorium building, and academic building at Alhambra High School. An election will be held June 6 to vote bonds in the sum of $350,000.

LOS ANGELES, Cal.—The Los Angeles Board of Education has awarded the following contracts for school improvements:

CHEREMOYA SCHOOL—Richardson Bldg. & Eng. Co., 1127 Story Bldg., Los Angeles, was awarded the general contract at $53,700 for erecting a two-story building at Cheremoya school site. Harwood Hewitt, 1130 Van Nuys Bldg., Architect. Plumbing to Lohman Bros. at $5100; heating to Thos. Haverty Co., $3773; painting to D. Zelinsky & Sons at $2925, and wiring to Renard & Stary Elec. Co. at $1950.

MANCHESTER AVE. SCHOOL—J. B. Dawson, Fay Bldg., Los Angeles, was awarded the general contract at $46,340 for erecting a two-story brick building at Manchester Ave. school site. Train & Williams, 226 Western Mutual Bldg., Architects. Plumbing to E. W. Crowell Co. at $2169; heating to Thos. Haverty Co. at $2836; painting to Dresher-Heinsbergen Co. at $2790, and wiring to American Elec. Constr. Co. at $1048.30.

CASTELAR ST. SCHOOL—Jacobs Constr. Co., H. W. Hellman Bldg., Los Angeles, was awarded the general contract at $66,869 for erecting a two-story brick building at Castelar St. school site. Pierpont and Walter S. Davis, Architects. Plumbing to Lohman Bros. at $7350; painting to R. Zelinsky at $2342, and electric work to F. B. Potter Electric Co. at $2475.

BERENDO JUNIOR HIGH SCHOOL—H. H. Hinds, 351 S. Hoover St., Los Angeles, was awarded the general construction at $56,975 for erecting a two-story and basement brick building at Berendo Junior High School site. John P. Krempel and Walter E. Erkes, Bradbury Bldg., Los Angeles, Architects. Plumbing to W. S. Goodrich at $5288; painting to H. H. Mann at $2142; electric work to Newbery Elec. Corp. at $1597. The bids for heating were rejected and the work will be re-advertised.

FRANKLIN LIBRARY BUILDING—Hubert-Wardall Constr. Co., 1210 W. 68th St., Los Angeles, was awarded the general contract at $64,172 for erecting a new two-story 11-room brick library building at Franklin High School site. Jeffery & Schaefer, 1106 Kerckhoff Bldg., Architects. Painting to D. Zelinsky & Sons at $2700, and wiring to Dewitt Electric Co., $1474.

SAN FRANCISCO.—O. Monson, 251 Kearny St., at $125,330 awarded contract by Board of Public Works for construction of Andrew Jackson School. Standard Elec. Co., 80 Natoma St., at $4870 awarded electric work. Scott Co., 243 Minna St., at $6760 for heating and ventilating; and plumbing to A. Lettich 365 Fell St., $7077

DINUBA, Tulare Co., Cal.—Until June 15, 7:30 P. M., bids will be received by A. T. White, Clerk, Dinuba Elementary School District, to erect an elementary school. Ernest J. Kump Co., Rowell Bldg., Fresno, Architects. **See call for bids under official proposal section in this issue.**

LOS BANOS, Merced Co., Cal.—Until June 5, 3 P. M., bids will be received by S. B. Dismukes, Clerk, West Side Union High School District, to construct classroom annex to the West Side High School. Plans may be had from the clerk.

STORES AND OFFICES

Contract Awarded.
ADDITION Cost, $50,000 approximately.
SAN FRANCISCO. S Bush N of Kearny
One-story reinforced concrete addition to present telephone exchange bldg.
Owner—Pacific Tel. & Tel. Co.
Architect—Eng. Dept. of Owner, E. V. Cobby, in Sharge.
Contractor—MacDonald & Kahn, 130 Montgomery St., San Francisco.

Contract Awarded.
ADDITION Cost, $11,000 approximately.
BERKELEY, Alameda Co., Cal.
One-story Class C addition to telephone exchange building.
Owner—Pacific Tel. & Tel. Co
Architect—Eng. Dept. of Owner, E. V. Cobby, in Charge.
Contractor—W. G. Thornally, 351 12th St., Oakland.

Plans Being Prepared.
LOFT & STORE BLDG. Cost, $250,000
LOS ANGELES, Cal. Hill St. Between Sixth and Seventh Sts.
Eight-story and basement Class A loft and store building.
Owner—Starr Piano Co.
Architects—Stanton, Reed & Hibbard, 620 Metropolitan Bldg., Los Angeles

Low Bidders.
STORE BLDG. Cost, $22,897
PALO ALTO, Santa Clara Co., Cal.
One-story reinforced concrete store building (7 stores).
Owner—B. V. Harrier.
Architects—Chas. W. McCall, Chas. T. Davis and Birge Clark, associated, Central Bank Bldg., Oakland, and Palo Alto.
Contractor—Walters & Grove, Monadnock Bldg, San Francisco.

Plans Being Prepared.
STORE & LOFT BLDG. Cost, $——
LOS ANGELES, Cal. Broadway near Sixth Street.
Six-story Class A store and loft building, 40x115.
Owner—South Broadway Building Co.
Architect—Edwin Bergstrom, Citizens National Bank Bldg., Los Angeles.

Plans Being Prepared.
BLDG Cost, $450,000
SAN FRANCISCO. W Hill St. bet. 7th and 8th.
Six-story Class A building.
Owner—E. Tropp, W. C. Crittenden and A. M. Blumenthal of San Francisco.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.

Plans Being Figured.
STORE Cost, $17,000
OAKLAND, Cal. E 14th St. near High.
Two-story frame and plaster apartment and store building (4 apartments of 2 and 3 rooms, and 2 stores).
Owner—Mr Heagerty.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Contract Awarded.
STORE FIXTURES Cost, $4815
SAN FRANCISCO. NW Grant Ave and Geary St.
Store Fixtures.
Owner—Gantner & Mattern, Geary and Grant Ave., San Francisco.
Architect—L. M. Upton, 452 Montgomery St., San Francisco.
Contractor—The Fink & Schindler Co., 226 15th St., San Francisco.

Contract Awarded.
STORE Cost, $14,200
SAN FRANCISCO. SW Clarion Ave and Mission St., San Francisco.
Two-story and basement reinforced concrete store and apartment building (3) apartments.
Owner—E Staffin, 2146 Mission St., San Francisco.
Architect—Evans & Co., 2569 Mission St., San Francisco.
Contractor—H. T. Ludwig, 636 Jessie St., San Francisco.

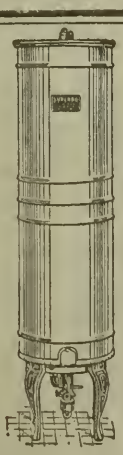
Contract Awarded.
STORE BLDG. Cost, $9400
BURLINGAME, San Mateo Co., Cal. NW Broadway and Laguna.
One-story reinforced concrete store building.
Owner—Annie Atkins, Burlingame.
Architect—Grace Jewett, 57 Post St., San Francisco.
Contractor—Chas. Pederson, 118 10th St., Burlingame.

Contractor Taking Sub-Figures.
RESTAURANT BLDG. Cost, $36,813
SANTA ROSA, Sonoma Co., Cal. Exchange Ave.
Two-story concrete restaurant (designed for five stories).
Owner—O. F. Leppo and J. W .Churchman.
Lessee—Geo. Edwards.
Architect—Reese & Kuykendall, 1438 McDonald St., Santa Rosa.
Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco.
Mr. Edwards will spend about $12,000 on the interior fittings and decorations of the restaurant.

Plans Being Prepared.
OFFICE BLDG. Cost, $50,000
WATSONVILLE, Santa Cruz Co., Cal.
Two-story reinforced concrete store & office building.
Owner—Otto Stosser, Watsonville.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

THEATRES

Contract Awarded—Excavation Started
THEATRE Cost, $50,000
SAN JOAQUIN, Fresno Co., Cal.
One-story brick theatre and (6) stores 30x100 ft; theatre seating, 300.
Owner—San Joaquin Farm Lands Co., San Joaquin, Calif.
Designer & Contractor—W. H. Jones, San Joaquin, Calif.



REMOVAL NOTICE

"SUPERBO"

Automatic Storage Gas Water Heaters

Formerly located at 104 Olive St.
Removed to

393 SUTTER ST.

SUPERBO MANUFACTURING CO.

393 SUTTER STREET

See "SUPERBO" in action, or send this ad and get free information.

Phone Garfield 942

San Francisco, Cal.

Official Proposals

INVITING SEALED PROPOSALS

For the Construction of an Elementary School Building, Lewis District, Santa Rosa.

(One-story Frame and Plaster Structure. Estimated Cost, $25,000)

Notice is hereby given by the Board of Trustees of the Lewis School District at Santa Rosa, Sonoma County, California, that bids will be received by said Board for the erection and construction of a new Elementary School Building at Santa Rosa in said District.

Plans and specifications may be obtained from the Clerk of the Board at Santa Rosa or from the Architect, Norman R. Coulter, at 46 Kearny St., San Francisco, California.

A deposit of Ten ($10.00) Dollars will be required for each set of plans.

All bids will be opened by the said Board of Trustees on the **10th day of June, 1922, at eight o'clock P. M.,** at the residence of Archie Lockhart and all bids must be delivered to Mr. Archie Lockhart, Clerk of said Board, before said hour, enclosed in sealed envelopes and marked on the outside "Bids for construction of Elementary School Building at Santa Rosa."

All bids must be accompanied by a certified check, cash, or a certificate of deposit equal to ten (10) per cent of the amount bid; checks or certificates of deposit to be made payable to the Board of Trustees and to be returned to the party or parties whose bid or bids are not accepted, and to the party whose bid is accepted upon his entering into a contract with the said School District and giving such bonds as may be required by law or said Board.

The Board of Trustees reserves the right to reject any and all bids.

ARCHIE LOCKHART,
Clerk of the Board of Trustees of the Lewis School District, Santa Rosa, Sonoma County, Calif.

BIDS WANTED FOR DREDGING

NOTICE TO CONTRACTORS

SEALED PROPOSALS, indorsed "Proposals for Dredging, Specification No. 4660" will be received at the office of the Public Works Officer, Navy Yard, Mare Island, California, until 11 o'clock A. M., June 14, 1922, and then and there publicly opened for dredging at the Naval Coal Depot, (California City Point) Tiburon, California. Drawings and Specification No. 4660 may be obtained on application to the Commandant, Navy Yard, Mare Island, California. Deposit of a check or postal money order for $10.00, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification. L. E. GREGORY, Chief of Bureau. May 31, 1922.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

(South Fork School)

Notice is hereby given that sealed bids will be received by J. M. Saffell at his office in Bakersfield, Kern County, California, **up to the hour of 4 P. M., of the 10th day of June, 1922,** for the furnishing of all materials and labor necessary for the erection and completion of a three-room cement school house for the South Fork Union Grammar School District, as per plans and specifications on file in the office of said J. M. Saffell, Architect, 924 19th Street, Bakersfield, Kern County Calif.

All bids must be accompanied by a certified check payable to Arthur J. Elexander, Clerk of Trustees of said School District, for the sum of at least ten per cent of the amount of bid, to be forfeited should the successful bidder fail to give a satisfactory bond of fifty per cent of contract price and enter into a contract with the trustees of the South Fork Union Grammar School District within 10 days after the awarding thereof, should it be required by the trustees.

Bids will be opened at Weldon, June 12th, at 1 P. M.

All bids must be inclosed in sealed envelopes and addressed to J. M. Saffell and marked: "Proposals for Erection of South Fork Union Grammar School Buildings."

The right reserved to reject any and all bids for said work. Said works must be completed not later than August 25, 1922.

A. J. ELEXANDER,
Clerk.
MRS. ESTELLE BARBEAU,
MRS. CHARLES S POWERS,
ROBERT PALMER, Pres.
JAMES L. BOBERTSON,
Board of Trustees South Fork Union Grammar School District.

> A call for bids published in this section indicates that bids are desired from other than local bidders. Maximum competition is desired, and this is assured through BUILDING AND ENGINEERING NEWS which reaches every worth-while contractor and materialman in Central and Northern California who bids on public work.
>
> **Rate:** 10 cents per line, per insertion.
>
> All official calls for bids of the California State Highway Commission and Nevada State Highway Commission are published in this section.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

(Keene School)

Notice is hereby given that sealed bids will be received by J. M. Saffell at his office in Bakersfield, Kern County, California, **up to the hour of 11 A. M., of the 10th day of June, 1922,** for the furnishing of all material and labor necessary for the erection and completion of a one-room frame school house for the Keene School District, as per plans and specifications on file in the office of said J. M. Saffell, Architect, 924 19th Street, Bakersfield, Kern County, California.

All bids must be accompanied by a certified check payable to B. A. Korf, Clerk of Trustees of said school district, for the sum of at least ten per cent of the amount of bid, to be forfeited should the successful bidder fail to give a satisfactory bond of fifty per cent of contract price and enter into a contract with the trustees of the Keene School District within ten days after the awarding thereof, should it be required by the Trustees.

Bids will be opened at Keene at 3:15 P. M., June 10th, 1922.

All bids must be inclosed in sealed envelopes and addressed to J. M. Saffell and marked: "Proposals for Erection of Keene School Buildings."

The right reserved to reject any and all bids for said work. Said works must be completed not later than August 25, 1922.

B. A. KORF,
Clerk
MRS. J. E. RICKS,
MRS ROSE KIRKHAM,
Board of Trustees of the Keene School District.

NOTICE TO BIDDERS

(Opera Chairs)

Opera chairs for School Auditorium —1000, more or less. Subject to samples submitted for examination. Further information furnished on to Secretary of Board.

All bids to be in by **8 o'clock p.m., June 14, 1922,** when bids will be opened at Grammar School. Check for 10% of amount of bid to accompany same.

By order of the Board of Campbell Union Grammar School.

CHAS. E. DeSELLE, Clerk.

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on June 26, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Colusa County, in the town of Williams (III-Col-7-B and 15-A), about three-tenths (0.3) miles in length, to be surfaced with asphalt concrete.

Marin County, between Alto and Belvedere Crossing (IV-Mrn-52-A), about three and five-tenths (3.5) miles in length, to be graded and graveled.

Imperial County, between El Centro and Imperial (VII-Imp-26-F), about two (2.0) miles in length, to be graded and paved with Portland cement concrete.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated May 29, 1922

NOTICE TO CONTRACTORS

(Dinuba Elementary School. Two-story Nine-room Brick Structure. Estimated Cost, $60,000)

Notice is hereby given that the Board of Trustees of the Dinuba Elementary School District, Dinuba, Tulare County, California, will receive sealed bids for all labor and materials necessary in the erection and completion of an elementary school building including works, in accordance with plans and specifications and segregated bids asked for as prepared by the District's Architects, the Ernest J. Kump Co., Fresno.

Said sealed bids will be received

up to and including 7:30 P. M. of the 15th day of June, 1922, by the undersigned Clerk of the Board at Dinuba, Tulare County, California.

Said sealed bids must be accompanied by a certified check, Cashier's check or bidder's bond, in a sum equal at least to 10% of the amount of bid to do the work mentioned, and made payable to the undersigned Clerk of the Board, as a guarantee that the bidder will execute the proper contracts and bonds, in case the contract is awarded to him or them, by reason of his or their bid.

Plans and specifications are on file at the offices of the undersigned Clerk of the Board—and additional copies may be secured at the offices of the District's Architects, the Ernest J. Kump Co., 207-8 Rowell Bldg., Fresno, California.

All bids to be made out on blank forms furnished by the Architects.

The successful bidder will have to give a satisfactory bond in the sum of 50% covering labor and materials and an additional 10% bond for faithful performance as fully set forth in Specifications.

The Board of Trustees of the Dinuba Elementary School District, as Owners, reserve the right to award any branch of the work, either as a whole or part or both, as segregated in specifications, and reserve the right to reject any and all bids, proposals or alternate bids, or award, or any part or parts of any bids, proposals and alternates, and reject the balance thereof. And to waive any informality in any bids, proposals or alternates received.

All bids to be addressed to A. T. White, Clerk of the Board of Trustees of the Dinuba Elementary School District, Dinuba, Tulare County, Calif.

By order of said Board of Trustees:
A. T. WHITE, Clerk of Board.

BIDS WANTED FOR SEWAGE DISPOSAL PLANT

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 20, 1922.—SEALED PROPOSALS will be opened in this office at 3 p.m., June 20, 1922, for a Sewage Disposal Plant at the United States Veterans' Hospital at Tucson, Arizona. Drawings and specifications may be obtained from Supervising Superintendent J. W. Roberts, Room 402 P. O. Building, San Francisco, Cal., or from this office in the discretion of the Supervising Architect.

JAS. A. WETMORE,
Acting Supervising Architect.

NOTICE TO CONTRACTORS

(Cole School Alterations)

Office of the Secretary of the Board of Education of the City of Oakland.

Sealed bids will be received by the Board of Education of the City of Oakland, City Hall, Oakland, California, **until Monday, the 12th day of June, 1922, at 4:30 P. M.,** at which time said bids will be opened for the Alterations to two-story flat building for the Cole School, of the Oakland School District, located on the southeast corner of 12th and Poplar Streets, Oakland, Calif.

Bids will be received for:

General work, including Excavating and Concrete Work, Carpentry, Plastering, Painting Plumbing and Electrical Work, etc.

Plans and specifications for said work are on file at the office of the Architect for the Board of Education, 2149 Broadway, Oakland, California.

On a deposit of Twenty-five ($25) Dollars, said plans and specifications may be had by any prospective bidder for one of the branches of the work above listed. These plans and specifications may be retained as follows:

General work, ten (10) days.

If the plans and specifications are not returned to the Architect within the time above specified, or are returned in a mutilated or damaged condition, the deposit will be forfeited and will be immediately used for the purchase of a new set of blue prints and specifications.

Bids must be made on proposals obtained at the office of the Architect, and be signed by the bidder, accompanied by a certified check, certified to by some responsible bank or banker, and made payable to J. W. Edgemond, Secretary of the Board of Education, to be retained by the said School Districts as agreed and liquidated damages should the party or parties to whom the contract should be awarded fail to enter into the contract after the award, or to give bonds required for the faithful performance of the contract, or any bond required by law. The amount of said check shall not exceed Five Thousand ($5,000) Dollars, but for all bids of less than Fifty Thousand ($50,000) Dollars, said check shall be for at least ten (10%) per cent of the amount of the bid. Each bid shall be accompanied by an affidavit executed on a form that can be obtained from the Architect.

Bids will be opened by the Board of said Districts on Monday, the 12th day of June, 1922, at the hour of 4:30 P. M., in the Board Room, 211 Second Floor of said City Hall, in said City of Oakland. The Board reserves the right to reject any and all bids or any or all items of such bids.

JOHN W. EDGEMOND,
Secretary of the Board of Education of Oakland, California.

NOTICE TO CONTRACTORS

(Equipment Work—Alexander Hamilton Junior High School)

Office of the Secretary of the Board of Education of the City of Oakland.

Sealed bids will be received by the Board of Education of the City of Oakland, City Hall, Oakland, California, **until Monday, the 19th day of June, 1922, at 4:30 P. M., at** which time said bids will be opened, for the equipment work for the Alexander Hamilton Junior High School, of the Oakland School District and Oakland High School District, located at 35th and Galindo Streets, Oakland, California.

Bids will be received for:

General Equipment Work, including Cabinet Work, Mill Work, Rough Hardware, Finished Hardware, Sheet Metal Work, Miscellaneous Iron Work, Miscellaneous Work, Glass and Glazing, Painting, Gas and Electric Ranges.

Plans and specifications for said work are on file at the office of the Architect for the Board of Education, 2149 Broadway, Oakland, California.

On a deposit of Twenty-five ($25) Dollars, said plans and specifications may be had by any prospective bidder. These plans and specifications may be retained for ten (10) days.

If the plans and specifications are not returned to the Architect within the time above specified, or are returned in a mutilated or damaged condition, the deposit will be forfeited, and will be immediately used for the purchase of a new set of blue prints and specifications.

Bids must be made on proposals obtained at the office of the Architect, and be signed by the bidder, accompanied by a certified check for at least 10% of the bid, certified to by some responsible bank or banker, and made payable to John W. Edgemond, Secretary of the Board of Education, to be retained by the said School Districts as agreed and liquidated damages should the party or parties to whom the contract should be awarded fail to enter into the contract after the award, or to give bonds required for the faithful performance of the contract, or any bond required by law. Each bid shall be accompanied by an affidavit executed on a form that can be obtained from the Architect.

Bids will be opened by the Board of said districts on Monday, June 19, 1922, at the hour of 4:30 P. M., in the Board Room, 211 Second Floor of said City Hall, in said City of Oakland. The Board reserves the right to reject any and all bids or any or all items of such bids.

NOTICE TO BIDDERS

(Opera Chairs)

Opera chairs for School Auditorium —1000, more or less. Subject to samples submitted for examination. Further information furnished on to Secretary of Board.

All bids to be in by **8 o'clock p.m., June 14, 1922,** when bids will be opened at Grammar School. Check for 10% of amount of bid to accompany same.

By order of the Board of Campbell Union Grammar School.

CHAS. E. DeSELLE, Clerk

INVITING SEALED PROPOSALS

For the Construction of an Elementary School Building, Lewis District, Santa Rosa.

(One-story Frame and Plaster Structure. Estimated Cost, $25,000)

Notice is hereby given by the Board of Trustees of the Lewis School District at Santa Rosa, Sonoma County, California, that bids will be received by said Board for the erection and construction of a new Elementary School Building at Santa Rosa in said District.

Plans and specifications may be obtained from the Clerk of the Board at Santa Rosa or from the Architect, Norman R. Coulter, at 46 Kearny St., San Francisco, California.

A deposit of Ten ($10.00) Dollars will be required for each set of plans.

All bids will be opened by the said Board of Trustees on the **10th day of June, 1922, at eight o'clock P. M.,** at the residence of Archie Lockhart and all bids must be delivered to Mr. Archie Lockhart, Clerk of said Board, before said hour, enclosed in sealed envelopes and marked on the outside "Bids for construction of Elementary School Building at Santa Rosa."

All bids must be accompanied by a certified check, cash, or a certificate of deposit equal to ten (10) per cent of the amount bid; checks or certificates of deposit to be made payable to the Board of Trustees and to be returned to the party or parties whose bid or bids are not accepted, and to the party whose bid is accepted upon his entering into a contract with the said School District and giving such bonds as may be required by law or said Board.

The Board of Trustees reserves the right to reject any and all bids.

ARCHIE LOCKHART,
Clerk of the Board of Trustees of the Lewis School District, Santa Rosa, Sonoma County Calif.

BIDS WANTED FOR ELECTRIC LIGHT, POWER AND TELEPHONE SYSTEM

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 15, 1922—SEALED PROPOSALS will be opened in this office at **3 p.m., June 15, 1922,** and in the office of the Superintendent of Construction, U. S. Veterans' Hospital, Whipple Barracks, Prescott, Arizona, at **1 p.m., June 15, 1922,** for electric light, power and telephone systems, at the U. S. Veterans' Hospital, at Whipple Barracks, Prescott, Arizona, in accordance with specification and drawings, copies of which may be had at this office, or at the office of the Superintendent of Construction, at Whipple Barracks, Prescott, Arizona, in the discretion of the Supervising Architect.

Jas. A. Wetmore, Acting Supervising Architect.

NOTICE TO BIDDERS

(Madera High School Additions)

The Board of Trustees of the Madera Union High School will receive bids **up to 7:30 P. M., of Thursday, June 9, 1922,** for the following building construction.

(All bids, based on plans and specifications for addition and alteration to Madera Union High School shop building, prepared by Swartz & Ryland, Architects, Fresno. Plans may be secured from the principal of the Madera Union High School, at his office on deposit of $5.00).

1.—All brick work yet to be done to complete work.

2.—All mill work and lumber to be furnished to complete plans.

3.—All heating and plumbing work to be done to complete plans.

Bids are to be made separately and each is to be accompanied by a certified check for 10% of the amount of the bid. Check to be made payable to the Secretary of the Board of Trustees of the Madera Union High School.

(Signed)
GEORGE MARCHBANK,
President.
G. M. SHEDD,
Secretary
Board of Trustees of the Madera Union High School.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

OAKLAND, Cal.—Bids will be rec. until June 8, 1922, at 12 o'clock noon by the city clerk of Oakland for furnishing 2400 piles and about 2,500,000 feet of lumber (Douglas fir) to be used in the construction of a pier and wharf shed to be erected on the Oakland waterfront at the foot of Market St. Est. cost, $225,000. Work will be done by day's labor under the supervision of Ralph Beebe, harbor engineer.

TURLOCK, Stanislaus Co., Cal.—Modesto and Turlock Irrigation Districts, acting jointly, will construct steel bridge over Six Bit Gulch in the Hetch Hetchy district to elevate the railroad tracks above the dam to permit flooding of the section. R. V. Meikle is chief eng. for the Turlock district and Percy Jones eng. for the Modesto district.

SANTA BARBARA, Cal.—W. M. Ledbetter & Co., 759 P. E. Bldg., Los Angeles, submitted low bid to supervisors at $6660 to const. reinf. conc. comb. culvert and check dam on Surf-Lompoc-Buellton Road in Lompoc permanent road division. Other bids were: Mercereau Bridge and Const. Co., Los Angeles, $6779. J. P. Hunter, Alhambra, $6990.

LOS ANGELES, Cal.—Kurt O. Wetzel, 694 Rio St., awarded contr. by Board of Pub. Wks. at $763 for fur. steel floor beams for the 4th St. viaduct across the Los Angeles Rivver. Time, 30 days.

SAN DIEGO, Cal.—Hydraulic Eng. H. N. Savage is preparing detailed plans for the work necessary to enlarge the spillway at the Morena dam. Est. cost of work will be $100,000.

SANTA ANA, Cal.—Mercereau Bridge & Constr. Co., 313 N. Ave 22, Los Angeles, awarded contr. by supervisors at $5872 for repairing highway bridge across Santiago Creek on S. Glassell St., in 4th road dist. Bid includes 1000 ft. B. M. D. lumber at $75 per M.

SAN BERNARDINO, Cal.—Plans for the 3rd St. bridge over Warm Creek have been completed by City Eng. C. E. Johnson and have been forwarded to the Pacific Electric general offices for appproval.

SANTA BARBARA, Cal.—W. M. Ledbetter & Co., 759 P. E. Bldg., Los Angeles, awarded contr. at $6660 ot const. reinf- conc combination culvert and check dam on Surf-Lompoc-Buellton Rd in Lompoc permanent road division.

SAN JOSE, Santa Clara Co., Cal.—Until June 19, 11 a.m., bids will be rec. by Henry A. Pfister, county clerk, to const. rein. conc. bridge on Caldwaller Ave.,over Dry Creek, Supervisor Dist No. 2. Irving Ryder, county surveyor.

YUBA CITY, Sutter Co., Cal.—Rio Oso Good Roads Club to urge supervisors to take early action on the proposed Yuba-Sutter bridge.

IRRIGATION PROJECTS

LOS BANOS, Merced Co., Cal.—Steps to form a water conservation district for the west side of the San Joaquin Valley have been taken at Los Banos with the presentation of a petition offered by Miller & Lux et al. The petition will be checked by State Engineer W. F. McClure. Included in the proposed district is an area of 515,000 acres.

SAN BERNARDINO, Cal.—City Eng. C. E. Johnson has completed plans for A St. drainage project. The total length of the pavement will be 13,113 ft., 8764 ft. of which lies within the city. Est. cost, $115,000.

LOS ANGELES, Cal.—Residents of the western end of West Adams district have petitioned city council to have estimates prepared showing cost of drainage system to care for area bounded by Montclair, Baldwin Hills, junction of West Washington and Adams Sts., and Washington St. A bond issue is proposed.

LIGHTING SYSTEMS

FULLERTON, Cal.—C. W. Sparks, 457 S. Lake street, Los Angeles, sumitted low bid to trustees, at $26,412.55 for constructing ornamental lighting system requiring 156 reinforced concrete posts with Novalux lighting units Other bids were: A. C. Rice, Los Angeles, $26,457; R. H. Walker and P. G. Martin Fullerton, $27,000; Newbery Elec. Corp., Los Angeles, $27,044; H. H. Walker, Los Angeles, $27,879; So. Cal. Elec. Co., Los Angeles. $28,303; Jas. C. Perry, Los Angeles, $28,142; J. G. Robertson Elec. Co., Santa Ana, $31,-275, taken under advisement.

MACHINERY

LOS ANGELES, Cal.—Until 3 p.m., June 27, bids will be rec. by Public Service Comm., 207 S. Broadway, for steel pipe and rivets. Spec. No. P-263. Jas. P. Vroman, secty.

PETALUMA, Sonoma Co., Cal.—General Motors Co., San Francisco, awarded contr. by Board of Education to fur. 2 G.M.C. trucks to transport pupils in rural districts.

OAKLAND, Cal.—Until June 8, 12 m., bids will be rec. by Eugene K. Sturgis, city clerk, for fur. and del. new Douglas fir piles for wharf construction. Bond of $1000 req. of successful bidder. Spec. may be had from clerk. Ralph Beebee, harbor engineer.

Engineers and Contractors
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268 Market St., San Francisco
Phone Douglas 1118

MARYSVILLE, Yuba Co., Cal.—The Yuba Mfg. Co. has been awarded contract to build two big gold dredgers for use in Alaska.

STODDARD, Stanislaus Co., Cal.—Until June 17, 8 p.m., bids will be rec. by H. E. Pitts, clerk, Stoddard School District, to const. tank house and tank with necessary connections with a water pump. Spec. may be had from clerk.

SACRAMENTO, Cal.—J. J. Haley, city purchasing agent has resigned to accept a position with the Water Rights Division of the State Department of Public Works, in charge of estimate checking.

LOS ANGELES, Cal.—General Electric Co. was awarded contract by public service commission, May 26, at $142,-103, for furnishing synchronous condensers.

LOS ANGELES, Cal.—Ohio Brass Co. (H. G. Holabird, agent) awarded contract by public service commission, at $972, f. o. b., Barberton, Ohio, for furnishing four 110,000 volt, high voltage horizontal wall entrance bushings.

SANTA CRUZ, Santa Cruz Co., Cal.—Supervisors contemplated the appointment of a purchasing agent to purchase supplies required by various departments.

LOS ANGELES, Cal.—Boyle-Dayton Co., 5190 Santa Fe Avenue, awarded contract by public service commission. May 26, at $450 for furnishing one 5-gal. gasoline pump and one 1000-gal. storage tank; immediate delivery.

LOS ANGELES, Cal.—Pacific Pipe & Supply Co. submitted low bid to Public Service Comm. for fur. c. i. pipe as follows: (1) 225 pcs. 12-ft. lengths, 8-in. "D" I. B. & S. pipe at $50.10 per ton; (2) 192 pcs. 6-in. at $50.10 (3) 42 pcs. 6-in. at $50.10; (4) 235 pcs. at $54.10; all f.o.b. Birmingham, Ala., with full freight allowed to Soldiers' Home spur, Sawtelle. Other bids were: R. D. Wood & Co.—(1) $57.96; (2) $57.96; (3) $57.96; (4) $61.98; delivery of 4-in. and 6-in. in 10 days, 8-in. in July. U. S. Cast Iron Pipe & Fdy Co. (1) $50.80; (2) $50.80; (3) $50.80; (4) $54.80; delivery, middle of July.

LOS ANGELES, Cal.—Art. Concrete Works, Pasadena, awarded contract by public service commission, May 26, at $6350 for furnishing 10,000 No. 1 concrete meter boxes.

FIRE EQUIPMENT

EL CERRITO, Contra Costa Co., Cal.—Following bids rec. by town trustees for fire apparatus: American La France Co., Ford fire truck, $1314; Louis E. Davis, Ford fire truck, $1127; E. W. Johnson, Ford chassis, $348; R. H. Cozzens, Ford chassis, $348. Taken under advisement.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

MODESTO, Stanislaus Co., Cal.—Until June 14, 8 p.m., bids will be rec. by L. A. Love, city clerk, to improve 5th St. bet. F and H Sts., involv. 48,282.18 sq. ft. grading; 45,620.91 sq. ft. 2½-in asph. conc. base with 1½-in. Warrenite-bitul. surface paving; 2661.28 sq. ft. gutter; 1767.13 lin. ft. curb; 221 lin. ft. header. Est. cost, $12,259.83.

Separate bids, same date, to improve Sycamore Ave. bet. Needham and Stoddard Ave., involv. 58,134.30 sq. ft. grading; 54,461.78 sq. ft. 2½-in. asph. conc. base with 1½-in. Warrenite-bitul. surface paving; 3672.52 sq. ft. gutter; 2302.9 lin. ft. curb; 144 lin. ft. headers; 9 No. 700 Marbelite standards and foundations; 9 No. 104 G. E. globes; 9 No. 1104 G. E. canopies; 9 G. E. elec. bands for same; 9 G. E. acorns for same; 10 pull-in boxes; 1242.2 lin. ft. 1-in. and 220.5 lin. ft. ¾-in. condult and 4347 lin. ft. No. 10 R. C. wire. Geo. Freitas, city eng.

MODESTO, Stanislaus Co., Cal.—City Eng. Geo. Freitas completes spec., and protests will be heard June 14 for following street improvements:

Kimble St. bet. Downey Ave. and Lucern Ave., involv. 97,984.33 sq. ft. grading; 90,273.62 sq. ft. paving; 7687.47 sq. ft. gutter; 5037.93 lin. ft. curb; 412 lin. ft. headers; 18 No. 700 elec. standards and found; 18 No. 104 G. E. globes; 18 No. 1104 G. E. canopies; 18 elec. bands for same; 18 G. E. acorns for same; 19 pull-in boxes; 2654.21 lin. ft. conduit; 362 lin. ft. ¾-in. conduit; 9046.63 lin ft. R. C. No. 10 wire. Est. cost, $28,829.

Constructing storm water sewers in District No. 4, involv. 16,069 cu. yds. excavation; 3701.2 lin. ft. 8-in., 2604.45 lin. ft. 10-in., and 639.68 lin. ft. 12-in. and 1691.66 lin. ft. 14-in. vit. pipe; 2556.36 lin. ft. 18-in., 2839.31 lin. ft. 24-in., 871.36 lin ft. 30-in. and 2213.14 lin. ft. 36-in. rein. conc. pipe; 14 lin. ft. 30-in. corru. iron pipe No. 10 gauge; 36 br. manholes; 2 (special) br. and conc. manholes; 87 cement conc. storm water inlets. Est. cost, $60,000.

Jones St. bet. Johnson and Kimble, involv. 21,079.72 sq. ft. grading; 19,153.24 sq. ft. paving; 1926.46 sq. ft. gutter; 1213.75 lin. ft. curb; 160 lin. ft. headers. Est. cost, $5821.

I St. bet. 17th and Downey, and 18th bet. I and Downey, involv. 20,176.40 sq. ft. grading; 19,933.35 sq. ft. paving; 160.85 lin. ft. curb; 67 lin. ft. headers; 243.05 sq. ft. gutter. Est. cost, $4700.

OAKLAND, Cal.—Bates & Borland, Oakland Bank of Savings Bldg., Oakland, awarded contr. by council to improve Bond St. bet. 45th and 46th Aves. Grading, 4c sq. ft.; conc. curb, 70c lin. ft.; conc. gutter, 24c lin. ft.; oil macadam pave. .115c sq. ft.; cement walks, 15c sq. ft.

VENTURA, Cal.—No bids rec. by supervisors for macadamizing 3 mi. on Middle Road, in 4th road dist., running out of Santa Paula, northward from the Cummings property. The work will be done by the county.

WALLA WALLA, Wash.,—Until June 6, 10 a.m., bids will be rec. by City Comm. to const. 2nd div. of water works extension: (1) Diversion dam and intake on Mill Creek with structures and equipment, and excavating and back filling of trench or bench for approx. 4 mi. of pipe line, and miscellaneous items. (2) Approx. 4 mi. of 20-in. diameter to 28-in. diam. pipe furnished and laid. Bids will be rec. on creosoted wood stave, concrete and steel pipe, and miscellaneous items. E. T. Churchill, city clerk. E. B. Hussey, Alaska Bldg., Seattle, Wash., eng.

TORRANCE, Cal.—Until 8:30 p.m., June 6, bids will be rec. by city trustees for Willite paving on Arlington and Carson Aves. in Torrance. All bids rec. May 16 were rejected, due to error in proceedings. The paving is estimated to cost $100,000 and bonds have been voted for half this amount, the remainder to be paid by property holders direct. H. R. Postle, city eng.

CARSON CITY, Nevada—Until June 14, 2 P. M., bids will be received by State Highway Commissioner, to construct portion of State highway in Churchill county from 1½-mil. west of Frenchman's to 3½-mil. east of Frenchman's. Project involves 25,000 cu. yds. excavation without classification; 80 cu. yds. Class A and 15 cu. yds. Class B concrete; 70 lin. ft. 15-in., 44 lin. ft. 18-in. and 44 lin. ft. 24-in. corru metal pipe (in place); 14 monuments; 2 sign posts; 5 miles prepare sub-grade and shoulders; 5610 cu. yds. loading and 23,200 yd. mi. hauling gravel; 5610 cu. yds. spreading gravel.

FRESNO, Fresno Co., Cal.—City Engineer Wm. Stranahan completes specification to construct 1190 lin. ft. 6-in. vit. clay pipe sewer and 2 manholes in Blocks 19, 20 and 21, Grand Avenue Park. Bids will be asked about June 15th.

PHOENIX, Ariz.—Blds rec. by Thos. Maddock, Statt eng., for surfacing with 2-in. asph. conc. 5 mi. of the Bankhead highway 18 ft. wide, running east of Tombstone toward Bisbee, with figure for an additional 5 mi. to be built later, were: Borderland Const. Co., Tucson, 93c yd., total $49,104; compl. in 60 days. No bid for extra 5 mi. White and Miller Co., Phoenix, 98c yd., total $76,032; extra 5 mi., 89c; compl. 120 days. McPeak, Burton & Bruckman Co., Los Angeles, 99c yd., total $52,272; extra 5 mi., 99c yd.; compl. 90 days. Phoenix Temple Stone Co., Phoenix, $1.44 yd., total $76,032; extra 5 mi., $1.31½ yd.; compl 120 days. El Paso Bitulithic Co., $1.59 yd., total $83,952; extra 5 mi., 89c yd.; compl. 100 days.

STOCKTON, San Joaquin Co., Cal.—Spencer D. Miller, Manteca, at $10,340 awarded contract by suupervisors to improve E. J. Mettler road, No. 525, in Fifth Road Dist.

CALIFORNIA.—Oakland Paving Co., 5000 Broadway, Oakland, at $98,213 awarded contract by State Highway Comm. to pave 10 miles in **Alameda County** bet. east boundary and Greenville with cem. conc. shoulders and asph. conc. surface.

LONG BEACH, Cal.—J. W. Butters, 651 Stanley Ave., Long Beach, awarded contr. at 16⅞c sq. ft. to grade and pave with one-course conc. Del Rey Ct. bet. 8th and 9th Sts., and at 16⅝c sq. ft. to grade and pave with one-course cem. conc. alley north of 7th St. bet. Raymond and Junipero Aves.

OXNARD, Cal.—Southwest Paving Co., 415 Washington Bldg., Los Angeles, submitted low bid to city trustees at $128,363.45 to pave portions of four city streets, involv. 327,591 sq. ft. 6-in. conc. on 5th St., 79,191 sq. ft. 5-in. conc. on East 6th St., 52,812 sq ft. 5-in. conc. on Meta St., and 56,106 sq. ft. 5-in. conc. on Enterprise St. Fairchild-Gilmore-Wilton Co. bid $136,228.50. Bids taken under advisement. Bids were received from L. A. Paving Co. and Dillon, Patterson & Downs, but were rejected as too high.

PHOENIX, Ariz. — Twohy Bros., Phoenix, awarded contr. by Maricopa County highway comm. at $108,093.50 ($26,364.27 per mi.) to const. highway project No 5 (Federal aid project No 47), 4.1 mi., 18-ft. conc. pavement, 6-in. thick with 9-in. edges, involv. 2200 cu. yds. excav. at 90c yd., 5150 cu. yds. earth borrow at 90c yd., 215 cu. yds. struc. excav. at 90c yd., 175 cu. yds. Class A conc. at $20 yd., 6000 lbs. rein. steel at 6c lbs., 43x000 sq. yds conc. (Alternate 1) at $2.25 yd. Bid spec. start in 10 days, finish Sept 1. Other bids were:

Pacific Constr. Co., San Francisco—$1 excav., $1 borrow, $2 struc. excav., $28 conc., 7c steel, $2.28 bitul. paving (Alternate 2); total, $111,824.

J. L. Hoones, Miami, Ariz.—80c excav., 80c borrow, 80c struct. excav., $22 conv., 7c steel, $2.43 yd. conc. paving (Alternate 1); total, $115,541.

LOS ANGELES, Cal.—County Supervisors have instructed George W. Jones to prepare spec. for improvement work in Rd. Dist. Imp. No. 225 (Bay Lane bet. east boundary of Long Beach and Ave. 19)

SAN DIEGO, Cal.—Council declares intention to improve following streets:

Texas St. bet. Lincoln and University Aves., by paving with asph. conc. wearing surface on asph. conc. base. 1911 Act.

Edgemont, Ash, Beech and 31st Sts., by grading; const. conc. walks, curbs. 1911 Act.

Portions of Myrtle Ave., Herbert, Albert and Richmond Sts., by grading; const. conc. walks, curbs, cem. pipe culverts, catch basins. 1911 Act.

K St. bet. 32nd St and 200 ft. east, by grading; const. curbs, and 70 ft. fence. 1911 Act.

Alleys in Block 29, H. M. Higgins Add. bet. A and B Sts., by grading and paving with one-course conc., and cement house sewers. 1911 Act.

OAKLAND, Cal. — Hutchinson Co., 5000 Broadway, Oakland, awarded contr. by council to improve 49th Ave. bet. E 12th and E 14th Sts., by grading, .0325 sq. ft.; conc. curb, 75 lin. ft.; conc. gutters, .25 lin. ft.; oil macadam pave., .135 sq. ft.; cement walks, .16 sq. ft.; 2x3-ft. conc. culvert, 4.25 lin. ft.; conc. culvert taper section, 5 ft., $30 ea.; conc. inlet with c. i. top, $30 ea.

SANTA ANA, Cal.—Steele Finley, Santa Ana, awarded contr. by supervisors at $29,662.56 for resurfacing with 4-in. asph. conc. 6900 lin. ft. of Huntington Blvd. and approx. 2700 lin. ft. of Westminster Blvd. Bids were taken on 4-in. asph. conc., and both 4-in. and 5-in. reinf. conc.

SANTA MONICA, Cal.—Petitions for street paving costing approx. $1,000,000 have been put in circulation.

FILLMORE, Cal.—Action on call for new bids for street paving has been delayed by trustees pending spec. from City Eng. Edw. M. Lynch, Central Bldg., Los Angeles. Bids will be asked on asph. conc. paving.

OCEAN BEACH, Cal.—An extensive program of rock and oil paving for res. sections is recommended by City Mgr. F. A. Rhodes, who states that the work can be done at a considerably lower cost after city's paving plant is installed.

CALIFORNIA.—Following bids rec. May 29 by State Highway Commission to surface with asph. conc. 4.3 mi. of highway in Sonoma County bet. Willow Brook and 1 mi. south of Petaluma:

A. G. Raisch, San Francisco. $25,885.20
J. A. Costello, San Francisco. 28,585.50
Warren Constr. Co., Oakland 30,024.50
Engineer's estimate, $27,401.

BAKERSFIELD, Kern Co., Cal.—City Eng. W. D. Clarke completes spec. and bids will be asked about June 15 to pave streets in St. Dist. No. 445 (Oak St.), involv. 129,600 sq. ft. 8-in. oil macadam pavement, 7200 lin. ft. in length, 18 ft. wide. Total cost $30,000. City will pay $15,000, remainder to be assessed to property.

SAN DIEGO, Cal.—Until 10:30 a.m., June 5, bids will be rec. by city council for street work under 1911 Act, as follows:

Portions of Herman Ave. and Thorn St., to be improved by paving with asph. conc. surface on asph. conc. base; const. curbs, walks, cem. pipe culverts.

Grape St. bet. 2nd and 5th St., and portion of Front St., to be improved by paving with asph. conc. surface on asph. conc. base, cont. walks, curbs, cem. pipe culverts and a portion of one-course conc.

Third St. bet. Walnut and University Aves., to be improved by paving with asph. conc. surface on asph. conc. base.

State St. bet. Quince and Redwood Sts., by grading and paving with cem. conc.; const. conc. curbs. F. A. Rhodes, city eng.

ALAMEDA COUNTY. — Hutchinson Co., Hutchinson Bldg., Oakland, awarded cont. by Southern Pacific Co. to repair and place new pavement in streets running through Oakland, Alameda, Berkeley Albany, Emeryville and San Leandro: 4-in. conc. pavement, 26c per sq. ft.; 2-in. asph. surface, 15c per sq. ft.; 3-in. conc. pavement, 20c per sq. ft.; 4-in. conc. pavement, 25c per sq. ft.

SAN FRANCISCO.—Until June 21, 3 p.m., bids will be rec. by Board of Public Works to const. Pulgas Tunnel in the Peninsular Division of the Hetch Hetchy Aqueduct, Contract No. 85, of Heth Hetchy Water Supply Project. Est. cost. $760,000. Deposit of $50 req. for plans. Involves 8500 lin. ft. lined tunnel; 3500 lin. ft. permanently timbered tunnel; 500 cu. yds. additional excavation in tunnel; 500 cu. yds. additional conc. in tunnel; 15,000 cu. yds. earth excavation in open cut; 2000 cu. yds. rock excavation in open cut; 750 lin. ft. 10-ft. 3-in. rein. conc. pipe; 1000 cu. yds. canal lining; 106 cu. yds. mass conc. in misc. structures; 100 cu. yds. rein. conc. in misc. structures; 500 cu. yds embankments; 200 bbls. extra cement; 10,000 lbs. rein. steel; 20,000 lbs. placing metal work (furnished by city). Spec. may be had from office of City Eng. M. M. O'Shaughnessy, 3rd floor, City Hall.

FLAGSTAFF, Ariz.—Warren Bros. Const. Co. awarded contr. by State highway dept. at $25,381.45 for paving with bitulithic ½ mi. of the Old Trails highway in town of Flagstaff. The cost will be divided between property owners and Federal aid.

OAKLAND, Cal.—Until June 8, 12 m., bids will be rec. by Eugene K. Sturgis, city clerk, to const. 30-in. conc. sewer in Harrison St. bet. 5th St. and point 30 ft. north of 2nd St., reconst. old and const. br. and conc. manholes, br. catch basins, removing old sewers, etc

Separate bids, same date, to improve portions of west half of Grove St., by grading, const. conc. curbs and gutters, paving with asph. conc. 1911 Act. W. W. Harmon, city eng.

SANTA MONICA, Cal.—Commissioner W. H. Carter has announced estimates of cost of opening 2nd and 3rd Sts. through S. P. and Pico Blvd., a joint project of Santa Monica and Ocean Park, at $41,362 for land and $31,234 for paving.

WHITTIER, Cal.—Until 7:30 p.m., June 5, bids will be rec. by City Clerk Clarence O Trueblood, for grading and paving with 5-in. conc. the alley bet. Comstock and Milton Aves., from College St. to Penn St. 1911 Act. Paul E. Todd, city eng.

RIVERBANK, Stanislaus Co., Cal.—Thomas Haverty, 8th and Maple St., Los Angeles, has been awarded contr. at $25,000 to const. sewer and water works system at Riverbank for A. T. & S. F. Ry.

EL MONTE, Cal.—Until 8 p.m., June 15, bids will be rec. by board of trustees for improving portions of Columbia, Amador, Washington, Lexington, Hoyt, Clemlnson and Tyler St., Granada, Brockway and Los Flores Aves., El Monte, involv. 245,540 sq. ft. 5-in. conc. paving, 22,790 lin. ft. "A" conc. curbs, 51,780 sq. ft. cem. walk; 102,376 sq. ft. oil tamped paving; 7245 sq. ft. conc. gutter, 300 sq. ft. conc. swales, 11,825 cu. yds. excav., 462 lin. ft. 8-in. vit. sewer, 1 manhole and 1 flush tank. Plans and spec. on file at office of city clerk or may be obtained from City Eng. O. A. Gierlich, 209 Natl. Bank Bldg., Monrovia upon deposit of $6. Cert. chk 10%. B. B. Moore, city clerk.

GLENDALE, Cal.—Napier & Simpson, San Fernando, submitted low bid to city trustee, at about $7762.76, for paving three blocks of Kenilworth Ave., involving 1039 lin. ft. grading, 32,790 sq. ft. oiling and paving, 1994 ft. curb, 9746 sq. ft. walk and 1099 ft. laying 4 in. Class C. p. l. pipe.

SAN JOSE, Santa Clara Co., Cal.—Council, John J. Lynch, city clerk, declares intention to improve James St. bet. San Pedro and River Sts., by grading, paving with 3-in. asph. conc. base with 1½-in. Warrenite-bit. surface; conc. curbs, gutters and walks; 4 br. catch basins; 8-in. vit. pipe drains. 1911 Act and Bond Act 1915. Protests June 12. Wm. Popp, city eng.

OXNARD, Cal.—Southwest Paving Co., 415 Washington Bldg., Los Angeles, submitted low bid to city trustees at $128,363.45 to pave various streets of Oxnard, involv. 518,000 sq. ft. grading; 320,800 sq. ft. 4-in. asph. conc. with 1½-in. asph. conc. wearing surface; 43,340 sq. ft. 4-in. cem. cono. base with 1½-in. asph. conc. surface; 78,020 sq. ft. 6-in. cem. conc; 64,230 sq. ft. 5-in. cem. conc.; 11,610 sq. ft. 4-in. cem. conc.; 9100 ft. curb; 26,000 sq. ft. gutter; 5000 sq. ft. walk.

SANTA ROSA, Sonoma Co., Cal.—W. L. Proctor of Santa Rosa submitted the only bid at $29,537 to supervisors to const. Valley Forge-Freestone road, 1 mi. oil macadam pavement. Involves 10,800 cu. yds. unclassified excavation; 1600 cu. yds. crushed rock base course; 68 lin. ft. 12-in., 72 lin. ft. 15-in., and 48 lin. ft. 24-in. corrugated or concrete culvert; 1330 cu. yds. rock surfacing; 32,200 cu. yds. asphalt surfacing; 50 cu yds. concrete for headwall and culverts. The bid was rejected and work ordered done by day's labor. Engineer's estimate, $23,500.

BAKERSFIELD, Kern Co., Cal.—City Eng. W. D. Clarke completes spec. and bids will be asked about July 1 to improve streets in St. Dist. No. 77, involv. 46,060 sq. ft. conc. walks; 10,977 lin. ft. 14-in. and 1188 lin. ft. 10-in. conc. curbs; 1270.75 lin. ft. (standard) and 397.61 lin. ft. (special) corru. and conc. culvert; 44,023 sq. ft. conc. gutter and 512,763 sq. ft. 3½in-. asph. conc. base with 1½-in. Warrenite top pavement. Est. cost, $155,000.

SAN DIEGO, Cal.—Until 10:30 a.m., June 5, bids will be rec. by city council for sewer work in the following streets:

Titus St. bet. Pringle St. and 345 ft. southeast: 6-in. cem. conc. sewer pipe with brick drop manhole. 1911 Act.

Arizona St. bet. Adams and Collier Aves., and portion of Collier Ave.: 6-in. cem. conc. sewer pipe with three brick manholes. 1911 Act.

UKIAH, Mendocino Co., Cal.—Until June 13, 10 a.m., bids will be rec. by Hale Prather, county clerk, to const 8850 ft. of road from Sta. 119+00 to Sta. 208+00, a portion of Nash and Highway Rd., west end, in Secs. 27 and 24, Township 23. E. H. Smith, county surveyor.

WATTS, Cal.—Until 7:30 p.m., June 13, new bids will be rec. by city trustees for contsructing a sewer system for the city, all bids rec. May 9 having been rejected. The project will involve 64,746 ft. 6-in., 41,186 ft. 8-in., 17,926 ft. 10-in., 19,996 ft. 12-in., 5533 ft. 15-in., 2552 ft. 18-in., and 5660 ft. 20-in. cement pipe; 369 manholes; 55 flush tanks and 6-in. wye for each lot. Work will be done under 1911 Act and 1915 Bond Act. Koebig & Koebig, consulting engs., Title Ins. Bldg., Los Angeles. Adam Dalmatin submitted lowest bid May 9 at $475,000.

PASADENA, Cal.—City Directors declare intention to grade and pave with 7-in. conc. and const. mon. lithic gutters with asph. conc. surface on Colorado St. bet. Marengo St. and 200 ft. east of Mentor St. 1911 Act.

FRESNO, Fresno Co., Calif.—California Rd. and St. Imp. Co., Bank of Italy Building, Fresno at $28,024 awarded contract by council to improve Montecito avenue, between Hazelwood and 4th streets, involving 86,524 sq. ft. grading; 81,190 sq. ft. 2½-in. black base with 1¼-in. Warrenite top pavement; 2115 lin. ft. curb; 5210 sq. ft. gutter; 7220 sq. ft. walks; 320 lin. ft. 12-in. and 304 lin. ft. 18-in. corrugated culverts.

SAN FRANCISCO.—Until June 22, 8 p.m., bids will be rec. by U. S. Bureau of Public Roads, C. H. Sweetser, dist. Eng., to const. Big Bear Valley road in Los Angeles National Forest, approx. 10.4 mi., involv. 547 stations clearing and grubbing; 325,000 cu. yds. unclassified excavation; 170 cu. yds. dry rubble masonry; 530 sq. ft. cement rubble masonry; 118 cu. yds. Class A concrete; 21,100 lbs. rein. steel; 5650 lin. ft. corru. metal o rconc. pipe culverts; 630 cu. yds. hand placed embankment. Bureau will furnish corru. metal or conc. pipe for pipe culverts.

AZUSA, Cal.—Until 7:30 p.m., June 5, bids will be rec. by J. O. Durrell, clerk, for improving portions of Dalton Ave. bet. 11th St. and 500 ft. south and for improving portions of Angeleno Ave. bet. centre and 5th Sts., involv. approx. 21,500 sq. yds. oiled macadam pavement.

SANTA ROSA, Sonoma Co., Cal.—City Council petitioned to pave Ellis St. bet. Santa Rosa Ave. and South Davis St.; also to const. curbs and gutters in Washington St. bet. 5th and 9th. L. L. Mills, city eng.

PASADENA, Cal.—Fred Stahlhuth, 380 S. Pasadena Ave., Pasadena, awarded contr. by city directors to grade, const. curbs and gutters on Kenyon St. bet. Fair Oaks and Kirkwood Aves., at 70c lin. ft. grading, 40c ft. curb, and 20.5c sq. ft. gutter.

TOMBSTONE, Ariz.—Miller & White awarded contr. to const. paving through Tombstone on the Tombstone-to-Benson highway, being built under county bond issue.

STOCKTON, San Joaquin Co., Cal.—Until June 13, 10 a.m., bids will be rec. by A. L. Banks, city clerk, to improve N. Center St. bet. Castle and Arcade, and portions of N. El Dorado, Adams, N. Hunter and San Joaquin Sts., Arcade, Geary, Noble and N. Sutter St., by grading, const. comb. conc. curbs and gutters, conc. sidewalks; paving with 4-in. gravel base with 2-in. asph. macadam surface and for grading, full width, Pine and Cleveland Sts. bet. N. Sutter and west boundary of McCloud's Addition. Imp. Act 1911 and Bond Act 1915. W. B. Hogan, city eng.

MERCED, Merced Co., Cal.—Petitions are being circulated for paving twelve blocks of streets in the Santa Fe railroad section. It is proposed to improve 21st bet. Q and R; 22nd, P to R; 23rd, M to R, and 25th K to G. C. D. Martin, city eng.

PHOENIX, Ariz.—Secty. of Agriculture Greely has recommended the expenditure of $184,500 for six Arizona road projects for 1922-1923. They are:

Prescott-White Spar road from Prescott to the west boundary of the Prescott Natl. Forest, 18 mi.; $145,000.

Clifton-Springerville road, from Greenlee Co. section, 44 mi.; $10,000 to supplement an allotment of $230,000 made for this project under a previous allotment from the fund.

Camp Verde-Fossil Creek road from Camp Verde to Fossil Creek, 11 mi., $77,000.

Strawberry-Fossil Creek road from Strawberry to Fossil Creek, 11 mi., $77,000.

Salt River-Pleasant Valley road, Sec. 1 from McFadden Hill to Pleasant Valley, 18 mi.; $77,000

Flagstaff-Angel road from Flagstaff to the east boundary of the forest, 22 mi.; $125,000.

RENO, Nevada.—City Council, J. B. Reese clerk, will hear protests June 12 against grading, const. hyd. conc. curbs, gutters and walks in First, Fourth and Sixth wards. Harry Chism, city eng.

LOS ANGELES, Cal.—C. W. Shafer, 1614 Temple St., submitted low bid to Board of Public Works, at $6,[illegible] to grade and oil 37th St. bet. Western Ave. and St. Andrews Pl., involv. 416 sq. ft. conc. paving, 22,106 sq. ft. grading and oiling, 17[illegible] ft. curb, 83[illegible] sq. ft. walk and 317[illegible] sq. ft. conc. gutter.

Arcata, Humboldt Co., Cal.—City Trustees order sale of $20,000 bonds to finance extension of main outfall sewer on Butcher's Slough and $5000 to extend main sewer system to Anderson Addition and Bull Tract.

LOS ANGELES, Cal.—Fairchild-Gilmore-Wilton Co., L. A. Ry. Bldg., submitted low bid to Board of Public Works to improve portions of Palos Verdes and other streets, San Pedro, involv. 200,447 sq. ft. grading to finish sub-grade, 200447 sq. ft. asph. paving, 2138 sq. ft. conc. paving, 590 ft. curb, 5216 sq. ft. cem. walk, 10,155 sq. ft. conc. gutter, storm drain complete, $3800; sanitary sewer, $800; 2350 ft. hose connections; realigning cem. curb, $330.

VISALIA, Tulare Co., Cal.—Until June 12, 8 p.m., bids will be rec. by Ida Markham, city clerk, to improve portions of West Acequia and Conyer Sts., involv. 142,068 sq. ft. 4-in. asph. conc. base with 1½-in. Warrenite bit. surface pavement; 3853 cu. yds. grading; 5197.6 lin. ft. conc. curb; 5942 lin. ft. conc. gutters; 574 lin. ft. culvert; 14 culvert manholes; 430 lin. ft. header boards; 10 catch basins; 300 sq. ft. alley and 10 sidewalk approaches. L. H. Gadsby, city eng.

VENTURA, Cal.—R. F. Ware, 2126 E. 38th St., Los Angeles, submitted low bid to supervisors, at $20,037, for pumping plant, reservoir and distributing system at Moorpark involv. 1 Pomona pump at $3975; const. of reservoir, $3200; 550 ft. 6-in. riveted pipe at 70c ft., or 6-in. screw pipe at $1.25; 3700 ft. 5-in. pipe at 84c ft.; 1800 ft. 4-in. pipe at 68c ft.; 5050 ft. 3-in. pipe at 48c ft.; 3410 ft. 2-in. pipe at 31½c ft.; 1110 ft. 1½-in. pipe at 26c ft.; 4000 ft. ¾-in. pipe at 17c ft.; 12 fire hydrants at $17 each; 150 1½-in. services at $10 ea.; 1-in. services at $6.50 and ¾-in. services at $4.50; 150 meters as follows: 1½-in. at $52; 1-in. at $31.50; and ⅝x¾-in. at $17.50; gate valves as follows: 5-in. at $15.75; 4-in. at $11.75; 3-in. at $8.75; 2-in. at $7; and 1½-in. at $3.25. Other bids were: Chas. G. Frisbie Co., $22,277; Phillips Electric Co., $22,886; Wattson & Hunter, $25,673; Thos. Haverty Co., $25,673; Claude Fisher, $27,817; Prendergast Const. Co., $30,524. Taken under advisement.

MERCED, Merced Co., Cal.—Until June 12, 8 p.m., bids will be rec. by C. D. Martin, clerk Merced Union High School District, to roll and compact after ample screenings have been added to the present base of about 10,260 sq. ft. and surfacing the same with a 3-in. asph. conc. wearing surface with seal coat. Also, grading, rolling and macadamizing with 3 in. crushed rock and screenings, and surfacing with 3-in. asph. conc. wearing surface with seal coat about 2760 sq. ft. of 10-ft. roadway. Spec. may be had from C. E. Bedesen, Shaffer Bldg., Merced.

STOCKTON, San Joaquin Co., Cal.—City Council, A. L. Banks, clerk, declares intention (No. 701) to improve streets in Searchlight Addition: Portions of Marsh St., Alma Ave., E. Church, E. Hazelton Sts., E. Scotts Ave., Taylor St., McDonnell and Sharon Aves., by grading, const. comb. conc. curbs, gutters and walks; paving with 4-in. cementing gravel base with 2-in. asph. macadam surface. Imp. Act 1911 and Bond Act 1915. Protests June 20. W. B. Hogan, city eng.

CALIFORNIA.—Until June 26, 2 p.m., blds will be rec. by State Highway Commission, Forum Bldg., Sacramento, to surface with asph conc. 0.3 mi. in **Colusa County**, in Town of Williams; grade and gravel 3.5 mi. in **Marin County** bet. Alto and Belvedere, and grade and pave with Port. cem. conc. 2 mi. in **Imperial County** bet. El Centro and Imperial. Austin B. Fletcher, State highway eng. **See call for bids under official proposal section in this issue.**

CARSON CITY, Nev.—M. Fransden, Reno, submitted bid of $2.95 per ton to Nevada state highway commission for furnishing 39,000 tons crushed rock. The bid was rejected. No decision has been reached regarding call for new bids.

BAKERSFIELD, Kern Co., Cal.—Bids will be received until June 12, 1922, 8 p.m., by the Council of the City of Bakersfield for improving Street District No. 31 (Oak St.) by grading and a 3-in. oil macadam. Pavement 129,600 sq. ft., grading 172,800 sq. ft. Est cost, $30,000. City to pay $15,000 cash. W. D. Clarke, City Hall, Bakersfield, is city engineer.

LOS ANGELES, Cal.—Fairchild-Gilmore-Wilton Co., L. A. Ry. Bldg., submitted low bid to board of public works for improving portions of Palos Verdes and other streets, San Pedro, involv. 200,447 sq. ft. grading to finish subgrade at 4c ft.; 200,447 sq. ft. asph. paving at 22.8c ft.; 2138 sq. ft. conc. paving at 22.8c ft.; 590 ft. curb at 70c ft.; 5216 sq. ft. cem. walk at 22c ft.; 10,155 sq. ft. conc. gutter at 24c ft.; storm drain complete, $3800; sanitary sewer, $800; 2350 ft. house connections at $1.60 ft.; realigning cem. curb, $330.

NAPA, Napa Co., Cal.—Until June 12, 7:30 p.m., bids will be rec. by H. H. Thompson, city clerk, to improve Pine St. bet. Jefferson and Walnut Sts., involv. 65,672 sq. ft. asph. macadam pavement; 842 cu. yds. excavation; 282 cu. yds. burrow; 2412 lin. ft. curbs; 2 catch basins; 3 manholes. H. A. Harold, city eng.

SAN DIEGO, Cal.—David H. Ryan, 1615 Fern St., San Diego, submitted low bid to city council at $48,662.82 for paving second section of Roosevelt Memorial Drive., but award was held up pending certain legal proceedings affecting plan of assessment. The bid involves 2827.5 cu. yds. earth excav. at 60c yd.; 4529.3 cu. yds. earth embankment at 90c cu. yd.; 121,070.8 sq. ft. 5-in. conc. pave. at 27.7c sq. ft.; 13,025.4 sq. ft. 5-in. conc. beams at 27.7c sq. ft.; 2001.5 lin. ft. 8-in.x3-ft. conc. curtain wall at $1.71 ft.; 254 lin. ft. wood rail guard fence, complete, $508; 122 lin. ft. 18-in. and 24-in. corru. iron pipe culvert, complete, $1365; extensions to existing culverts and additions to wing walls, complete, $2070. California Constr. Co., San Diego, bid $49,764.66. On a prior call the latter company was the only bidder at $50,283.09.

SAN DIEGO, Cal.—David H. Ryan, San Diego, submitted low bid to city council at $35,511.01 for paving Torrey Rd. and one section of Roosevelt Memorial Dr., but award was held up pending legal controversy regarding assessment plan. The bid involves 98,716.78 sq. ft. 5-in. conc. paving at 30.4c ft.; 2301.14 ft. conc. curb at 70c ft.; 8601.4 sq. ft. walk at 22c ft.; 213 ft. 18-in. and 24-in. corru. iron culverts, complete, $1998. California Construction Co., San Diego, bid $36,293.11.

SANTA ANA, Cal.—B. R. Ford, 407 W. 17th St., Santa Ana, awarded contr. by city trustees at $33,197.09 for paving portions of E. 16th and 17th Sts., involv. 138,231.29 sq. ft. grading and paving with 6-in. conc. with belt finish surface at 23⅜c ft.; 175.5 ft. curb at 70c ft.; 450 ft. 6-in. house sewers at 80c ft; flush tank, $100 ea. Other bids were: Wells & Bressler, $35,405.12; Napier & Simpson, $37,558.36; Geo. R. Curtis, $34,036.12.

The steam plant of the San Joaquin Light and Power Corp., at Buttonwillow, Kern County, is being enlarged with another unit, 110 by 200 feet, costing $1,250,000, according to A. J. Black, construction engineer in charge of the work.

The Oregon State Irrigation and Drainage Securities Commission has refused for the second time to approve plans for the proposed development of the Jefferson Water Conservancy District, which includes 106,000 acres.

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Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
2242	Benjamin	Cahill	1900
2243	Medus	Owner	5500
2244	Herlihy	Owner	1000
2245	Hymson	Urfer	2500
2246	Beard	Watson	5000
2247	California	Mission	9175
2248	Curran	Wocker	8250
2249	Allen	Owner	6000
2250	Lang	Parker	8000
2251	Findlay	Owner	9000
2252	Walley	Fink	2000
2253	Richardson	Millerick	3500
2254	Smith	Owner	2500
2255	Calmon	Nelson	9000
2256	Dunn	Knabenshuh	2000
2257	O'Neill	Nilson	2285
2258	Beard	Watson	9250
2259	Cohn	Owner	10000
2260	Heyman	Owner	3000
2261	Stoff	Owner	2800
2262	Sweet Sixteen	Owner	5000
2263	Meanwell	Owner	3000
2264	Heyman	Owner	10000
2265	Ellen	Owner	1800
2266	Loessel	Hamerton	6500
2267	Pfeiffer	Higginson	10070
2268	Home	Mangels	16638
2269	S P Co	Wegner	2990
2270	S P Co.	Zelinsky	2524
2271	Spadero	Draga	3000
2272	Pac T & T	MacDonald	48000
2273	MacMillan	MacMillan	3000
2274	Nelson	Owner	4000
2275	Same	Same	4000
2276	Allen	Owner	40000
2277	Dye	Owner	3000
2278	Barnes	Little	2000
2279	Ernst	Owner	45000
2280	Griffin	Farquharson	15000
2281	Flanigar	Spirz	3417
2282	Steffin	Ludwig	14200
2283	Miller	Owner	10000
2284	Kroll	Grieb	12625
2285	Meyer	Adler	11200
2286	Prior	Barrett	44725
2287	Same	Dyer	8500
2288	Same	Hooper	——
2289	Same	MacGruer	28056
2290	Same	Zelinsky	7175
2291	Same	Fuller	1600
2292	Same	Otis	11000
2293	Same	Percy	1185
2294	Same	Hillard	3106
2295	Same	Back	2197
2296	Same	Malott	1498
2297	Same	Rigney	564
2298	Same	Cobbledick	245
2299	Same	Collonan	4060
2300	Van Heekeren	Knabenshuh	4000
2301	Finocchio	Owner	12000
2302	Riverdale	Hoyt	8000
2303	Von der Wethern	Galliher	3500
2304	Meyer	Owner	8000
2305	Thompson	Meyer	3000
2306	Wright	Owner	3000
2307	Wassmann	Meyer	6000
2308	Reddy	Gillogley	7900
2309	Pac T & T	MacDonald	48172
2310	Schultz	Ingraham	9200
2311	Same	Lynch	1175
2312	Same	Renn	2695

ALTERATIONS
(2242) NO. 745 FORTY-SEVENTH AV. Remove portion of roof and add 2 rooms to residence.
Owner—Edward H. Benjamin, Premises.
Architect—None.
Contractor—Cahill Bros., 110 Sutter St., San Francisco $1000

FRAME FLATS
(2243) WLEAVENWORTH 57-4 S Broadway. Two-story and basement frame (2) flats.
Owner—Bertrand Medus, 2506-A Polk St., San Francisco.
Architect—None.
Day's work. $5500

FOUNDATIONS
(2244) NO. 3274 TWENTY-FOURTH St. Construct concrete foundations and straighten up building, stucco front.
Owner—James Herlihy, Premises.
Architect—None.
Day's work. $1000

REPAIRS
(2245) NO. 401-409 THIRD St., Repair fire damage to stores and rooming house.
Owner—Marie Hymson, San Jose.
Architect—None.
Contractor—Chas. E. Urfer, 134 Halleck St., San Francisco. $2500

FRAME FLATS
(2246) S CALIFORNIA 82-6 E Funston Blvd. Two-story and basement frame (2) flats.
Owner—Frank Beard, % Contractor.
Architect—None.
Contractor — G. E. Watson, 280 17th Ave., San Francisco. $5000

CLASS C BLDG.
(2247) SE HOWARD AND LANGDON. All work for two-story Class C building.
Owner—California Wood Carving Co., 144 8th St., San Francisco.
Architect—None.
Contractor—Mission Concrete Co., 517 New Call Bldg., San Francisco.
Filed May 26, '22. Dated May 11, '22.
Concrete poured to 2nd floor. $2500.00
Fire walls poured..... 2300.00
Completed and accepted..... 2081.25
Usual 35 days..... 2293.75
TOTAL COST, $9175.00
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

THEATRE
(2248) S GEARY 137:6 W MASON S 106 x W137:6. Painting and decorating for Class A Theatre building.
Owner—Curran Theatre Co., Ellis and Stockton Sts., San Francisco.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.
Contractor—A. C. Wocker, 1370 Sutter St., San Francisco.
Filed May 26, 1922. Dated May 24, 1922
¼ completed $2000
½ completed 2000
Completed and accepted 2000
Usual 35 days 2250
TOTAL COST, $8250
Bond, $8250. Sureties, Fidelity & Deposit Co. of Maryland. Forfeit, none. Limit, 30 days after notice to begin. Plans and specifications filed.

RESIDENCE
(2249) N CALIFORNIA 181-3 E Scott Three-story and basement frame residence
Owner—Mrs. L. C. Allen, 1328 Scott St., San Francisco.
Architect—Edward E. Young, 251 Kearny St., San Francisco.
Day's work $6000

DWELLINGS
(2250) W EIGHTH AVE 232 and 265 N Pacheco. Two one-story and basement frame dwellings.
Owner—Lang Realty Co., 1st National Bank Bldg., San Francisco.
Architect—Harold Stoner, First Nat'l. Bank Bldg., San Francisco.
Contractor—C. F. Parker, 1315 6th Ave., San Francisco. $4900 each

FRAME FLATS
(2251) N FULTON 102-6 E Sixteenth Ave. Two-story and basement frame (2) flats.
Owner—Mrs. Paul Findlay, 784 17th Ave., San Francisco.
Designer—Helen Findlay, 784 17th Av., San Francisco.
Not Determined. $9000

ALTERATIONS
(2252) E FILLMORE bet. Sutter and Post. Remodel store fronts and erect mezzanine floor in store.
Owner—Mrs. E. E. Walley, 1742 Fillmore St., San Francisco.
Architect—V. W. Houghton, 218 13th St., San Francisco.
Contractor—Fink & Schindler Co., 218 13th St., San Francisco. $2000

ALTERATIONS
(2253) NO. 2033 HOWARD. Remodel residence for apartments.
Owner—Walter Richardson, 440 Cortland Ave., San Francisco.
Architect—None.
Contractor—John Millerick, 815 Edinburgh St., San Francisco. $3500

DWELLING
(2254) NE PALOU 32-6 SE Lane. One-story and basement frame dwlg.
Owner—Thos. R. Smith, 1505 Palou Ave. San Francisco.
Architect—None.
Day's work. $2500

FRAME FLATS
(2255) E PRESIDIO AVE 87-6 S Pine. Two-story and basement frame (2) flats.
Owner—E. Calmon and wife, 650 Presidio Ave., San Francisco.
Architect — Wm. F. Gunnison, 1666 Golden Gate Ave., San Francisco.
Contractor—E. K. Nelson Bldg. Co., 77 O'Farrell St., S. F. $9000

ADDITION
(2256) NO. 2780 UNION. Addition of one-story to residence.
Owner—Arthur Dunn, 2232 Hyde St., San Francisco.
Architect—Knabenshuh & Morrison, 180 Jessie St., San Francisco.
Contractor—Knabenshuh & Morrison, 180 Jessie St., San Francisco. $2000

CLASS C BLDG.
(2257) SE MINNA 510 SW Third SW 40xSE 70. Plain and reinforced concrete work for two-story and basement Class C brick and concrete building.
Owner—Daniel O'Neill, 273 Minna St., San Francisco.
Architect—J. E. Krafft & Sons, Phelan Bldg., San Francisco.
Contractor—Chas. H. Nilson, 180 Jessie St., San Francisco.
Filed May 27, '22. Dated May 25, '22.
Completed and accepted.....$1685
70 days after..... 600
TOTAL COST, $2285
Bond, $1150. Surety, Maryland Casualty Co. Limit, without delay. Forfeit, none. Plans and specifications filed.

BUILDING
(2258) S CALIFORNIA 82-6 E Funston Ave. 25x120. All work for building.
Owner—Frank Beard, % Contractor.
Architect—None.
Contractor—G. E. Watson, 280 17th Av., San Francisco.
Filed May 27, '22. Dated May 27, '22.
Signing contract $1000
Rough frame up 1500
Rough plastered 1500
Completed 1500
Together with deed of trust for $2250 with interest at 7%.....
Usual 35 days..... 1500
TOTAL COST, $9250
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications, none.

STORES
(2259) NW EIGHTH AVE & IRVING. One-story reinforced concrete stores.
Owner—Geo. Cohn, 9 Stockton St., San Francisco.
Architect—L. Heiman, 57 Post St., San Francisco.
Day's work. $10,000

DWELLING
(2260) E FIFTEENTH AVE 150 S Cabrillo. Two-story and basement frame dwelling.
Owner—Oscar Heyman & Bro., 742 Market St., San Francisco.
Architect—Alvin J. Stern, 742 Market St., San Francisco.
Day's work. $3000

DWELLING
(2261) E MOULTRIE 100 S Crescent Ave. One-story and basement frame dwelling.
Owner—John Stoff, 822 Moultrie St., San Francisco.
Architect—None.
Day's work. $2800

ALTERATIONS
(2262) NO. 882 MARKET. Change front; lower mezzanine floor, etc.
Owner—Sweet Sixteen Co., Premises.
Architect—None.
Day's work. $5000

RESIDENCE
(2263) NW TWENTY-SEVENTH AND Sanchez. One-story and basement frame residence.
Owner—Herbert G. Meanwell, 916 Elizabeth St., San Francisco.
Plans by Owner.
Day's work. $3000

DWELLINGS
(2264) W TWENTY-SECOND AVE 99-9, 132-7, 198-2 & 165-5 N Irving Four one-story and basement frame dwellings.
Owner—Oscar Heyman & Bro., 742 Market St., San Francisco.
Architect—Alvin J. Stern, 742 Market St., San Francisco.
Day's work. $2500 each

DWELLING
(2265) W TWENTIETH AVE 275 S Lawton. One-story and basement frame dwelling.
Owner—H. J. Ellen, 3923 19th St., S. F.
Architect—H. Ellen, 3923 19th St., San Francisco.
Day's work. $1800

DWELLING
(2266) E TWENTIETH AVE 125 S Irving. Two-story and basement frame dwelling.
Owner—Hermann H. C. and Flora H. Loessel, 1318 24th Ave., S. F.
Architect—None.
Contractor—A. C. Hamerton, 475 Dewey Blvd., San Francisco. $6500

FLAT BLDG.
(2267) E 21ST AVE 275 S CALIFORnia S 25 E 120. All work except electrical work, shades, finish hardware, light fixtures and wall paper for a 2-story and basement frame flat building.
Owner—Emilie I. and Otto H. Pfeiffer.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.
Contractor—Wm. E. Higginson.
Filed May 29, 1922. Dated May 27, 1922.
Frame up and roof boards on $2517.50
Brown coated 2517.50
Completed and accepted 2517.50
Usual 35 days 2517.50
TOTAL COST, $10,070
Bond, $5025. Sureties, J. H. McCallum, Edw. M. Pttney. Forfeit, none. Limit, 100 days. Plans and specifications filed.

(2268) NE YERBA BUENA AVE 15 NE from Int with dividing line Lots 36 and 37, Block 26, N 67° 55' 25" E 85.54 S 8° 28' E 117.31 NW 127.90 Ptn Lots 36 and 37 Blk 26, St. Francis Wood Extension No. 2. NE Yerba Buena 15 NW from int dividing line Lots 36 and 37 Blk 26 NE 85.54 SW 103.78 S 12.12, thence to left 23.67 SE 16, Ptn same. All work for a frame residence and and garage.
Owner—Homes Loan Corporation.
Architect—Clarence A. Tantau, 251 Kearny St., San Francisco.
Contractor—Mangels Bros., 4792 Mission St., San Francisco.
Filed May 29, '22. Dated May 26, '22.
Frame up $4159.50
Brown coated 4159.50
Completed and accepted..... 5159.50
Usual 35 days..... 4159.50
TOTAL COST, $16,638.00
Bond, $8319. Sureties, Theresa Gamma and Jno. A. F. Steimke. Limit, 120 days. Forfeit, $5. Plans and specifications filed.

VAULT
(2269) FOURTH AND BERRY. All work for reinforced concrete and brick fireproof vault in freight office of railroad.
Owner — Southern Pacific Co., S. P. Bldg., San Francisco.
Architect—None.
Contractor—A. Wegner, 593 Market St., San Francisco.
Filed May 29, '22. Dated May 15, '22.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $2990
Bond, $2250. Surety, Maryland Casualty Co. Limit, forfeit, none. Plans and specifications filed.

PAINTING, ETC.
(2270) THIRD AND TOWNSEND Sts., San Francisco. All work painting and redecorating of main waiting room and dining room in station.
Owner—Southern Pacific Co., S. P. Bld.g., San Francisco.
Architect—None.
Contractor—D. Zelinsky & Sons, 180 Jessie St., San Francisco.
Filed May 29, 1922. Dated May 23, 1922.
Monthly payment 75%
Usual 35 days 25%
TOTAL COST, $2524
Bond, $1895. Sureties, National Surety Co. Forfeit, none. Limit 25 days. Plans and specifications filed.

DWELLING
(2271) N BOSWORTH 100 E Diamond. One-story and basement frame dwelling.
Owner—Fortunate Spadaro, 35 Wilder St., San Francisco.
Architect—None.
Contractor — A. Draga, 21 Broughton Ave., San Francisco. $3000

ADDITIONS
(2272) NO. 333 GRANT AVE. Additions and alterations to main telephone offices.
Owner—The Pacific Tel. & Tel. Co., 333 Grant Ave., San Francisco.
Plans by Owner.
Contractor—MacDonald & Kahn, Rialto Bldg., San Francisco. $48,000

ALTERATIONS
(2273) NO. 2641 HOWARD. Remodel two-story frame building into 8 apartments.
Owner—Josephine MacMillan, 151 Duncan St., San Francisco.
Architect—None.
Contractor—R. S K. MacMillan, 151 Duncan St., San Francisco. $3000

DWELLING
(2274) W FORESTSIDE 198-4 S Ulloa. Two-story and basement frame dwelling.
Owner—Fernando Nelson & Sons, Inc., 2 West Portal Park, S. F.
Architect—None.
Day's work. $4000

DWELLING
(2275) W TWENTY-EIGHTH AVE 308-4 S Lincoln Way. Two-story and basement frame dwelling.
Owner—Fernando Nelson & Sons, Inc., 2 West Portal Park, S. F.
Architect—None.
Day's work. $4000

RESIDENCES
(2276) E THIRTIETH AVE 71-0¾, 108-0¼, 145-0¼ and 182-0¼ N Lake. Four two-story and basement frame residences.
Owner—Allen & Co., 168 Sutter St., San Francisco.
Architect—E. B. Bertz, 168 Sutter St., San Francisco.
Contractor—Allen & Co., 168 Sutter St., San Francisco. $10,000 each

DWELLING
(2277) E THIRTIETH AVE 225 S Taraval. Two-story and basement frame dwelling.
Owner—M. Dye, 3148 San Bruno Ave., San Francisco.
Plans by Owner.
Day's work. $3000

DWELLING
(2278) E THIRTY-FOURTH AVE 340 N Taraval. One-story and basement frame dwelling.
Owner—C. Barnes and wife, 407 Cole St., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Moses Little, 857 39th Ave. San Francisco. $2000

(2279) W LEAVENWORTH 137:6 N Turk. Four-story and basement reinforced concrete (23) apartments.
Owner—Carl F. Ernst, 633 Hayes St., San Francisco.
Architect—E. H. Denke, 1317 Hyde St., Srn Francisco.
Day's Work. $45,000

(2280) NO. 3020 PACIFIC AVE. Additions to rear of present residence.
Owner—Andrew G. Griffin, 311 California St., San Francisco.
Architect—Bliss & Faville, 1001 Balboa Bldg., San Francisco.
Contractor—D. B. Farquharson, 1760 Ellis St., San Francisco. $15,000

REPAIRS
(2281) NO. 241 ASHBURY. Repair fire damage to flats.
Owner—S. Flannigan, Premises.
Architect—None.
Contractor—Gustave Spirz, 56 Langton St., San Francisco. $3447

APARTMENTS
(2282) SW CLARION AVE & MISSION Two-story and basement reinforced concrete store and (3) apartments
Owner—E. Steffin, 2146 Mission St., San Francisco.

Architect—Evans & Co., 2569 Mission St., San Francisco.
Contractor — Herman T. Ludwig, 636 Jessie St., San Francisco. $14,200

FRAME FLATS
(2283) SW FIRST AVE AND BALBOA Two-story and basement frame (4) flats.
Owner—Wm. A. Miller, 638 5th Ave., San Francisco.
Architect—None.
Day's work. $10,000

FLATS
(2284) W VAN NESS AVE 112-6 S Bay S 25x W123. All work except electric fixtures and hot water heaters for two-story and basement frame flat building.
Owner—Mrs. Minnie Kroll, 1026 Greenwich St., San Francisco.
Architect—Milton W. Morrison, 716 41st Ave., San Francisco.
Contractor—Henry Grieb, 1020 Greenwich St., San Francisco.
Filed May 31, '22. Dated May 17, '22.
Rough frame up $3156.25
Rough plastered 3156.25
Roof completed 3156.25
Usual 35 days..... 3156.25
TOTAL COST, $12,625.00
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
(2285) S ANZA 57-6 E Twenty-second Ave E 25xS 100. All work for two-story and basement frame apartment building.
Owner — Henry A. Meyer, 485 22nd Ave., San Francisco.
Plans by Contractor.
Contractor—Klaus Adler, 493 22nd St., San Francisco.
Filed May 31, '22. Dated May 26, '22.
Roof on $2800
Brown coated 2800
Completed and accepted..... 2800
Usual 35 days..... 2800
TOTAL COST, $11,200
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

HOTEL
(2286) SW EDDY AND MASON. Excavation, concrete, carpentry and mill work for completion of hotel building.
Owner—Mary Prior, Josephine Metzner, Margt. Delger, Lester and Leland Prior and Jas. K. Prior Jr. and Matilda Andrews.
Managers of Constr.—Kenneth MacDonald Jr. and Maurice C. Couchot, 110 Sutter St., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Filed May 31, '22. Dated May 24, '22.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $44,725
Bond, $22,400. Sureties, Harry W. Gaetjen, R. A. Farrar and T. B. Lawrence. Limit, 120 days. Forfeit, none. Plans and specifications filed.

(2287) STRUCTURAL STEEL ON above.
Contractor—Dyer Bros. Golden West Iron Works, 17th and Kansas St., San Francisco.
Filed May 31, '22. Dated May 24, '22.
Payments same as above.....
TOTAL COST, $8500
Bond, $4250. Sureties, Geo. H. Dyer and R. W. Dyer. Limit, 60 days. Forfeit none. Plans and specifications filed.

(2288) INSTALL PLUMBING AND heating on above.
Contractor—F. E. Hooper, Supt, 3606 20th St., San Francisco.
Filed May 31, '22. Dated May 24, '22.
Payments same as above .....
ACTUAL COST plus 15%
Bond, $13,100.50. Sureties, C. T. Lehmann, M. F. Flaherty and L. A. Grelow. Limit, forfeit, none. Plans and specifications filed.

(2289) LATHING AND PLASTERING on above.
Contractor—MacGruer & Simpson, 266 Tehama St., San Francisco.
Filed May 31, '22. Dated May 24, '22.
Payments same as above.....
TOTAL COST, $28,056
Bond, $14,028. Surety, The Fidelity & Casualty Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

(2290) PAINTING AND PAPERING on above.
Contractor—D. Zelinsky & Sons, 180 Jessie St., San Francisco.
Filed May 31, '22. Dated May 24, '22.
Payments same as above.....
TOTAL COST, $7175
Bonw, $3587.50. Surety, National Surety Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

(2291) GLASS AND GLAZING ON above.
Contractor—W. P. Fuller & Co., Beale and Mission Sts., San Francisco.
Filed May 31, '22. Dated May 24, '22.
Payments same as above.....
TOTAL COST, $1600
Bond, $800. Surety, The Fidelity & Casualty Co. of New York. Limit, 30 days. Forfeit, none. Plans and specifications filed.

(2292) ELEVATOR WORK ON ABOVE
Contractor—Otis Elevator Co., Beach and Stockton Sts., San Francisco.
Filed May 31, '22. Dated Apr. 3, '22.
Payments same as above.....
TOTAL COST, $11,000
Bond, limit, forfeit, none. Plans and specifications filed.

(2293) SHEET METAL WORK ON above.
Contractor—Percy Sheet Metal Works, Inc., 348 Guerrero St., S. F.
Filed May 31, '22. Dated May 24, '22.
Payments same as above.....
TOTAL COST, $1185
Bond, $592.50. Surety, The Fidelity & Casualty Co. of New York. Limit, forfeit, none. Plans and specifications filed.

(2294) ORNAMENTAL IRON WORK on above.
Contractor—C. J. Hillard Co., Inc., 19th and Minnesota Sts., San Francisco.
Filed May 31, '22. Dated May 24, '22.
Payments same as above.....
TOTAL COST, $3106
Bond, $1553. Surety, United States Fidelity & Guaranty Co., Limit, forfeit, none. Plans and specifications filed.

(2295) MARBLE WORK ON ABOVE.
Contractor—J. E. Back Co., 1533 San Bruno Ave., San Francisco.
Filed May 31, '22. Dated May 24, '22.
Payments same as above.....
TOTAL COST, $2197
Bond, $1098.50. Surety, United States Fidelity & Guaranty Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

(2296) COMPOSITION FLOORING ON above.
Contractor—Malott & Peterson, 2412 Harrison St., San Francisco.
Filed May 31, '22. Dated May 24, '22.
Payments same as above.....
TOTAL COST, $1498
Bond, $749. Surety, New Amsterdam Casualty Co. Limit, forfeit, none. Plans and specifications filed.

(2297) TILE WORK ON ABOVE
Contractor—The Rigney Tile Co., 2148 Telegraph Ave., Oakland and 180 Jessie St., San Francisco.
Filed May 31, '22. Dated May 24, '22
Payments same as above.....
TOTAL COST, $564
Bond, $282. Surety, Hartford Accident & Indemnity Co. Limit, forfeit, none Plans and specifications filed

(2298) LOBBY FRONT ON ABOVE.
Contractor — Cobbledick Kibbe Glass Co., 175 Jessie St., S. F.
Filed May 31, '22. Dated May 24, '22.
Payments same as above.....
TOTAL COST, $245
Bond, $122.50. Surety, United States Fidelity & Guaranty Co. Limit, 10 days. Forfeit, none. Plans and specifications filed.

(2299) ELECTRICAL WORK ON above.
Contractor — Collonan Electrical & Mfg. Co., 3211 Mission St., S. F.
Filed May 31, '22. Dated May 24, '22.
Payments same as above.....
TOTAL COST, $4060
Bond, $2030. Surety, The Fidelity & Casualty Co. Limit, 60 days. Forfeit, none Plans and specifications filed.

RESIDENCE
(2300) W TWENTY-FIFTH AVE 225 N Cabrillo N 25xW 120. All work except grading for one-story and basement residence.
Owner — Ferdinand Van Heekeren, 63 Eureka Ave., S. F.
Architect—Wm. F. Yates, 1718 Larkin St., San Francisco.
Contractor—Knabenshuh & Morrison, 180 Jessie St., San Francisco.
Filed May 31, '22. Dated May —, '22.
Frame up .....$ 750
Enclosed and roof on..... 750
Plaster completed 750
Completed 750
Usual 35 days..... 1000
TOTAL COST, $4000
Bond, none. Limit, 90 days. Forfeit, $3. Plans and specifications filed

FRAME FLATS
(2301) E FRANKLIN 40 S Francisco. Three-story frame (3) flats.
Owner—A. Finocchio, Rivoli Hotel, San Francisco.
Architect—Italo Zanolini, 504 Montgomery St., San Francisco.
Day's work $12,000

GARAGE
(2302) N O'FARRELL bet. Scott and Divisadero. One-story brick private garage.
Owner—Riverdale Creamery, 1412 Divisadero St., San Francisco.
Architect—None.
Contractor—H. P. Hoyt, Monadnock Bldg., San Francisco. $8000

DWELLING
(2303) S TARAVAL 107-6 W 23rd Ave. One-story and basement frame dwelling.
Owner—H. Von der Wethern, 410 Jersey St., San Francisco.
Architect—None.
Contractor—Roy Gallher, 3650 Mission St., San Francisco. $3500

FRAME FLATS
(2304) E TWENTY-SEVENTH AVE 300 S Lake. Two-story and basement frame (2) flats.
Owner—Meyer Bros., 5326 Geary St., San Francisco.
Architect—None
Day's work. $8000

DWELLING
(2305) W TWENTY-SEVENTH AVE 175 N Balboa One-story and basement frame dwelling.
Owner—C. P. Thompson, 410 24th Ave., San Francisco
Architect—None
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $3000

DWELLING
(2306) W TWENTY-SEVENTH AVE 125 N Balboa. One-story and basement frame dwelling
Owner—M. J. Wright, 2302 Clement St., San Francisco.
Architect—None
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $3000

DWELLINGS
(2307) W TWENTY-SECOND AVE 200 and 225 S Geary. Two one-story and basement frame dwlgs.
Owner—H. Wissman, 2256 Clement St., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $3000 each

FRAME BLDG.
(2308) COM AT PT 125 NE QUESADA Ave and 500 SE Newhall NE 25 SE 88 SW 26 more or less, NW 97, Ptn Lot 23, Case Tract, Blk 330. All work for a two-story frame building.
Owner—Chas. F. and Mary E. Reddy, 1436 Railroad Ave, San Francisco.
Architect—None.
Contractor—J. W. Gillogley, 745 San Jose Ave., San Francisco.
Filed June 1, 1922. Dated May 23, 1922.
Rough frame up $1481
Brown coated 1481
Whole coated 1481
Completed and accepted 1482
Usual 35 days 1975
TOTAL COST, $7900
Bond, none. Sureties, none. Forfeit, none. Limit 90 days. Plans and specifications filed.

ALTERATIONS
(2309) NO. 445 BUSH. All work for alterations and additions to office building.
Owner—Pacific Telephone & Telegraph Co., 333 Grant Ave., S. F.
Engineers — E. V. Cobby and C. W. Burkett, 333 Grant Ave., S. F.
Contractor—MacDonald & Kahn, 130 Montgomery St., San Francisco.
Filed June 1, '22. Dated May 25, '22.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $48,172
Bond, $24,086. Surety, National Surety Co. Limit, 80 days after June 1. Forfeit, none. Plans and specifications filed

APARTMENTS
(2310) E DOLORES 83-3 N Fifteenth. Carpentry and mill work for three-story frame apartment building.
Owner — Dr. C. Harrington Schultz, Anglo Bldg., 16th and Mission, S. F.
Manager of Constr.—A. J. Horstmann, Anglo Bldg., San Francisco.
Contractor—M. C. Ingraham, 165 Fell St., San Francisco.
Filed June 1, '22. Dated May 27, '22.
Rough frame up..... ¼
Exterior mill work in and window and door frames set..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $9200
Bond, $4600.. Sureties, J. C. Moore and J. C. Moore Jr. Limit, 75 days. Forfeit, $20. Plans and specifications, none

(2311) EXCAVATION, GRADING, CONCRETE footings and concrete work on above.
Contractor—Andrew Lynch, 180 Jessie St., San Francisco.
Filed June 1, '22. Dated May 22, '22.
Grading and concrete retaining walls and footings in..... ⅓
Concrete work done..... ⅓
Usual 35 days..... ⅓
TOTAL COST, $1175
Bond, $587.50. Sureties, Thos. Carroll and Wm. H. Sullivan. Limit, 14 days after notified. Forfeit, $20. Plans and specifications, none.

(2312) SEWERS, GAS SERVICE, FIXTURES, showers, pipe anchors, etc., on above.
Contractor—Geo. Renn.
Filed June 1, '22. Dated May 23, '22.
Roughing in done..... ½
All fixtures installed..... ¼
Usual 35 days..... ¼
TOTAL Cost, $2695
Bond, $1347.50. Surety, M. O. Bohr. Limit, 60 days. Forfeit, $20. Plans and specifications, none.

DWELLING
W SEVENTEENTH AVE 154 N Clement. One-story and basement frame dwelling.
Owner—P. H. McCarthy, 3827 24th St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $3000
NOTE:—Recorded contract reported May 26, 1922, No. 2238.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
June 1, 1922—W SEVENTEENTH AV 275 N Fulton N 25xW 120. A M McLean to R A McLean..May 31, 1922
June 1, 1922—W TWENTY-SECOND Ave 200 N Balboa 50x120. Thos E Mohler to whom it may concern.. .....June 1, 1922
June 1, 1922—S MISSION 75 E Sixth E 50xS 80. J S Morgan & Sons to Scott Co.....May 26, 1922
June 1, 1922—S MISSION 75 E Sixth E 50xS 80. J S Morgan & Sons to Chas Sartorio.....May 25, 1922
June 1, 1922—S GEARY 63 E 16th Ave E 25xS 75. John E Hanson to whom it may concern..May 20, 1922
May 31, 1922—SE VIENNA 175 NE Brazil Ave NE 25xSE 100. Gustaf Johnson to whom it may concern .....May 24, 1922
May 31, 1922—N BOSWORTH 25 E Lippard Ave E 25xN 105. Otto N Hilken to whom it may concern. .....May 31, 1922
May 31, 1922—W FOURTEENTH AV 100 N Fulton 31x127-6. John McCarron to Emil Nelson..May 31, 1922
May 31, 1922—NW ARGUELLO BLVD and California. Louis May to Wm Martin.....May 31, 1922
May 31, 1922—SW TWENTY-SECOND Ave and Geary. Louis T Ferrera and G Mcscone to Meyer Bros..... .....May 25, 1922
May 29, 1922—E VALENCIA 235 N 20th N 50xE 80. Paul Marty to George Bos.....May 26, 1922
May 29, 1922—W THIRTY-THIRD Ave 100 & 125 N Ulloa N 25x117-6; W 34th Ave 275 N Ulloa N 25x120. Parkside Realty Co to whom it may concern.....May 27, 1922
May 29, 1922—S FLOOD AVE 100 W Edna W 25xS 112-6 Lot 40 Blk 18, Sunnyside. Henry W Austin to James Arnott & Son....May 24, 1922
May 29, 1922—E TWENTY-SEVENTH Ave 258-6 S California S 41-6xE 120. David Leigh to whom it may concern.....May 29, 1922
May 27, 1922—N RICHLAND AVE 278-7 E Leese 25x100. Ben Heglin and Carl Erickson to whom it may concern .....
May 27, 1922—N CLEMENT 125 W Arguello Blvd, No. 26 and 28 Clement. Leon J Henrotte to Chas S Delaney .....May 27, 1922
May 27, 1922—SE FOURTH AVE & Clement 36x68. C C Graeber to whom it may concern..May 25, 1922
May 23, 1922—W 24th Ave 200 S Geary S 25xW 120. Frank W. and Emma I. Theobold to whom it may concern ..... May 23, 1922
May 26, 1922—NE TWENTYISIXTH Ave and Geary. B. Hanretty to Meyer Bros.....May 26, 1922
May 26, 1922—N FELL 200 W GOUGH. Luther and W Hilton Smith to E. K. Building Co. .....May 24, 1922
May 26, 1922—W TWENTY-SECOND Ave 250 N Fulton E 25 x W 120. Nicholas Hamminga to whom it may concern.....May 26, 1922
May 26, 1922—E 9TH AVE 75 S IRVing S 25 x E 95. Johanna Fox to Ira W. Colburn .....May 26, 1922
May 26, 1922—N ½ of W ½ of S ½ of N ½ of Blk bounded by Connecticut, Arkansas, 16th, 17th Sts. P N Blk 235 frontage on 16th St, 200, Connecticut 100, Arkansas 200, described as S 16th and W Connecticut, 200 to E Arkansas S along E Arkansas, 200 E 100 N 100 E 100 to W Connecticut N along W Connecticut 100 to S 16th to beg. Ptn P. N 235. Real Estate Development Co. to Geo. Wagner..... .....May 15, 1922
May 26, 1922—S POWERS AVE 130 E Mission. Catherine A Taylor to Wm H Grahn.....May 18, 1922

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount
June 1, 1922—S CLAY 154-3 E Franklin E 32-7xS 127-8¼. T H Dahl vs George D and Aimee Merrill and Martin S Show.....$660
May 31, 1922—NW MONTECITO AVE 105 SW Monterey Blvd SW 35xNW 90. William Smith Co vs Mrs Mary L and Clarence B Bean.....$391.86
May 29, 1922—S CLAY 154-3 E Franklin E 32-7 S 127-8 W 32-7 N to beg. Marshall & Stearns Co vs Geo D Merrill and Aimee Merrill $112
May 29, 1922—N ALMA 147-6 E Stanyan 153-10 W Shrader 30x120. J W Marsden vs I and Minnie Grant... .....$316.30
May 29, 1922—W STANYAN 40 N Rivoli N 35xW 120. H C Norlie vs H L Walkup.....$60
May 27, 1922—S CLAY 154-3 E Franklin E 32-7xS 127-8¼. Chas W Higgins vs Aimee Merrill....$1426
May 27, 1922—NW JACKSON AND Embarcadero N 60 W 85-6 S 20 E 20 S 40 E 65-6. San Francisco Motor Drayage Co vs Wellman Peck & Co, Hannah Bros and H N McClure $1531
May 26, 1922—S CLAY 154:3 E Franklin E 32:7 x S 127: 8¼. R. Ouer as Wedel Electric Co. vs. George D. Merrill, Aimee Merrill, Martin Show..... $615.00
May 26, 1922—S CLAY 154:3 E Franklin E 32:7 x S 127:8¼. C. W. Withington vs. Martin Show, Geo. D. Merrill, Aimee Merrill.....$480
May 26, 1922—E RANCHO LAGUNA de Merced, at intersection with S Ocean House Road, 76 S Post 33 of Survey Rancho S 60° 21' E 255.2 ft. S 17' E 96.8 more or less, W 231 N 2° 15' E 223.25 more or less, containing .837 acre. Paul Beygran vs. Harry Lorentzen, Jane C. Peabody..... $453.35

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount
May 31, 1922—SW FOOTE AVE 50 SE Ellington E 25xSW 80. Robbles & Gogen to J A Bauman.$252.50
May 27, 1922—S LAKE 82-6 E 12th Ave E 25xS 100. J E Higgins Lumber Co to Thos J Blight Jr. Wm O Snell (as San Francisco Hardwood Floor Co) .....

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
2404	Bowman	Kulchar	3000
2405	Henry	Owner	1500
2406	Werner	Owner	2000
2407	Romie	Wilson	10000
2408	Retzer	Healy	5600
2409	Penzien	Davisson	3000
2410	Lanza	Garello	2000
2411	Reed	Webb	4500
2412	Whalen	Owner	7000
2413	Am. Bank	Scott	1500

2414	Frank	Scott	4600
2415	Walker	California	20000
2416	Baker	Vaughn	5185
2417	Blanding	Scott	8000
2418	S. P. Co.	Hutchison	——
2419	Kaiser	Davis	4225
2420	Saroni	Pond	2800
2421	Same	Same	5600
2422	Same	Same	2800
2423	McCausland	Owner	3600
2424	Hinch	Owner	3000
2425	Orton	Owner	2500
2426	Hoagensen	Bigelow	4500
2427	Mattick	Scott	3085
2428	Buckley	Marshall	7173
2429	Head	Sorensen	3500
2430	Siefert	Owner	1000
2431	Evans	Starr	17000
2432	Paul	Owner	2500
2433	Hutoff	Fields	8000
2434	Wagner	Henderson	1500
2435	Amberger	Williams	3500
2436	Harth	Owner	2500
2437	Maleton	Woodard	3500
2438	Bahl	Boerner	3500
2439	Schrader	Maasberg	4150
2440	Goranson	Owner	3600
2441	Christenson	Owner	2000
2442	Strahel	Owner	1500
2443	Fricke	Houch	4500
2444	Bain	Valleroy	2850
2445	Goodwin	Woodard	4000
2447	Pray	Poulsen	1865
2448	Pray	Lucas	34564
2449	Bioletti	Conner	13920
2450	Bromlage	Owner	4000
2451	Brazier	Owner	2500
2452	Caldwell	Peppin	5800
2453	Watson	Marshall	9000
2454	McLean	Dingwell	2650
2455	Moran	Knight	4500
2456	Silva	Owner	3000
2457	Burgk	Johnson	3700
2458	Meyers	Hudson	3200
2459	Ferria	Piere	3000
2460	Standard	Owner	4000
2461	Same	Same	4000
2462	Ness	Bratset	3740
2463	Rollins	Owner	3000
2464	Baumann	Owner	3000
2465	Sinclair	Furlong	3950
2466	Enterprise	Ogden	25000
2467	Richardson	Dawson	10000
2468	Durant	Neal	2880
2469	Hills	Lawton	39179
2470	Reed	Lassen	3900
2471	Shrader	Maasberg	4150
2472	Anderson	Owner	9000
2473	Sack	Yerrick	7000
2474	Pac T & T	Thornalley	10000
2475	Clark	Brasch	11500
2476	Baker	Pfrang	5250
2477	Anderson	Owner	2400
2478	Thornton	Butzke	4500
2479	Ahnefeld	Owner	3800
2480	Cuccsa	Schroeder	1700
2481	Bennett	Slack	1000
2482	Juster	Wright	1500
2483	Short	Short	2500
2484	Baker	Vaughn	5186
2485	Wright	Kick	5000
2486	Watts	Owner	8000
2487	Joiner	Stanley	4000
2488	Weber	Hambleton	3925
2489	Hoffschneider	Owner	3800
2490	Hannum	Marshall	2250
2491	Warbuton	Anderson	7000
2492	Valente	Owner	3200
2493	Woodburn	Owner	7000
2494	Peterson	McCline	3200
2495	Higgins	Jordan	5000
2496	Brunette	Almquist	17500
2497	Schwartz	Johnson	9502
2498	4th Church	Mission	38302
2499	Same	Gordon	3600
2500	Same	Kimball	3871
2501	Same	Wade	1857
2502	Same	Ideal	2181

ALTERATIONS
(2404) NO. 3301 ADELINE ST., Berkeley. Alterations
Owner—Bowman Drug Co.
Architect—None.
Contractor—S. Kulchar & Co., 8th Ave and E-10th St., Oakland. $3000

ALTERATIONS
(2405) NO 1809 EUCLID AVE., Berkeley. Alterations.
Owner—W. W. Henry Co., Inc., Prem.
Architect—None.
Day's work. $1500

DWELLING
(2406) NO. 2312 SEVENTH ST., Berkeley. One-story 5-room dwelling.
Owner—Chas. A. Werner, 2416 10th St., Berkeley.
Architect—None.
Day's work. $2000

STORES
(2407) NO. 2330 TELEGRAPH AVE., Berkeley. One-story concrete stores
Owner—F. E. Romie, 418 Newton Ave., Oakland.
Architects—Hutchison & Mills, Albany Bldg., Oakland.
Contractor,—Leslie R. Wilson, 2216 Blake St., Berkeley. $10,000

DWELLINGS
(2408) S NEVIL 120 and 160 E Harrington, Oakland. Two one-story 5-room dwellings.
Owner—Wm. Retzer, Federal Bldg., Oakland.
Architect—None.
Contractor—P. J. Healy. $2800 each

DWELLING
(2409) E NINETEENTH AVE 35 S E-26th St., Oakland. One-story 5-room dwelling.
Owner—I. Penzien, 3947 Vale Ave., Oakland.
Architect—None.
Contractor—D. B. Davisson, 513 Fairfax Ave., Oakland. $3000

ALTERATIONS
(2410) NO. 4507 GROVE ST., Oakland. Alterations and additions.
Owner—Luigi Lanza, 4536 Grove St., Oakland.
Architect—None.
Contractor—P. Garello, 870 47th St., Oakland. $2000

DWELLING
(2411) W PARK BLVD 165 N Wellington, Oakland. One-story 6-room dwelling.
Owner—W. H. Reed, 1622 Bridge Ave., Oakland.
Architect—None.
Contractor—Thos. W. Webb, 4663 Fair Ave., Oakland. $4500

DWELLINGS
(2412) E MANILA AVE 50 and 90 S Forty-ninth St., Oakland. Two one-story 5-room dwellings.
Owner—Whalen & Carlos, Federal Bldg Oakland.
Architect—None.
Day's work. $3500 each

ALTERATIONS
(2413) NO. 3446 E-FOURTEENTH ST., Oakland. Alterations.
Owner—American Bank.
Architect—None.
Contractor—G. A. Scott, 685 23rd St., Oakland. $1500

DWELLING
(2414) E ROSEDALE AVE 210 S Mera, Oakland. One-story 6-room dwelling.
Owner—George Frank, 1500 56th Ave., Oakland.
Architect—None.
Contractor—G. A. Scott, 685 23rd St., Oakland. $4600

BUILDING
(2415) LOTS 48 AND 49 Santa Fe Tract Berkeley. All work for two-story building and 6 garages and storeroom.
Owner—Claude L. Walker.
Architect—None.
Contractor — California Builders Co., 1534 Franklin St., Oakland.
Filed May 26, '22. Dated Apr. 7, '22.
Rough material on ground..... ¼
Roof framed ..... ¼
Lathing started ..... ¼
Doors and windows in..... ⅛
Completed and accepted..... ⅛
TOTAL COST, $20,000
Bond, none. Limit, 120 days. Forfeit, plans and specifications, none.

DWELLING
(2416) LOT 29 BLK S, Rockridge Park Oakland. All work for five-room dwelling and garage.
Owner—James I. Baker, 2910½ Benvenue Ave., Berkeley.
Architect—J. C. Hare.
Contractor—W. T. Vaughn, 381 51st St., Oakland.
Filed May 26, '22. Dated May 24, '22.
1st floor laid..... ¼
Roof on ..... ¼
Plastered ..... ¼
Usual 35 days..... ¼
TOTAL COST, $5185.50
Bond, none. Limit, 60 days. Forfeit, plans and specifications, none.

STORE BLDG.
(2417) E PARK 50 N Webb Ave N 50 xE 87-6, Alameda. All work for one-story brick store building.
Owner—H. B. Blanding, Concord.
Architect—M. V. Politeo, 1st National Bank Bldg., San Francisco.
Contractor—G. A. Scott, 685 23rd St., Oakland.
Filed May 26, '22. Dated May 24, '22.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $8000
Bond, $4000. Sureties, C. M. MacGregor and Carl T. Doell. Limit, 75 days. Forfeit, $5. Plans and specifications filed.

REPAIRS
(2418) OAKLAND, ALAMEDA, BERkeley, Albany, Emeryville, San Leandro. All work for repairs to pavement and new pavement.
Owner—Southern Pacific Company.
Architect—None.
Contractor—Hutchinson Co., Hutchinson Bldg., Oakland.
Filed May 26, '22. Dated May 1, '22.
Each month 75%
Usual 35 days..... 25%
TOTAL COST—4" concrete pavement, 26c per sq. ft.; 2" asphaltic surface, 15c per sq. ft.; 3" concrete pavement, 20c per sq. ft.; 4" concrete pavement, 25c per sq. ft.
Bond, $5000. Surety, Globe Indemnity Co. Limit, May 1, 1923. Forfeit, plans and specifications, none.

DWELLING
(2419) E FRUITVALE AVE 100 N E-Twenty-ninth Ave., Oakland. One-story 5-room dwelling.
Owner—Fred Kaiser.
Architect—None.
Contractor—Geo. B. Davis, 3283 Hyde St., Oakland. $4225

DWELLING
(2420) N HAVENSCOURT 100 N Flora, Oakland. One-story 5-room dwelling.
Owner—L. Saroni, 806 Howard St., San Francisco.
Architect—None.
Contractor—C. P. Pond, 1163 Ashmont Ave., Oakland. $2800

DWELLING
(2421) S HAVENSCOURT 420 and 350 N Flora, Oakland. Two one-story 5-room dwellings.
Owner—L. Saroni 806 Howard St., San Francisco.
Architect—None.
Contractor—C. P. Pond, 1163 Ashmont Ave., Oakland. $2800 each

DWELLING
(2422) E SIXTY-EIGHTH AVE 350 N Flora, Oakland. One-story five-room dwelling.
Owner—L. Saroni, 806 Howard St., San Francisco.
Architect—None.
Contractor—C. P. Pond, 1163 Ashmont Ave., Oakland. $2800

DWELLING
(2423) W SIXTY-FIRST AVE 150 N Scenic Way, Oakland. One-story 5-room dwelling.
Owner—Martha McCausland, 1512 52nd Ave., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(2424) N THIRTY-FOURTH 76 E West, Oakland. One-story 5-room dwelling.
Owner — J. T. Hinch, Federal Bldg., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(2425) N TENOR 35 E 68th Ave., Oakland. One-story 4-room dwlg.
Owner — A. E. Orton, 3336 68th Ave., Oakland.
Architect—None.
Day's work. $2500

DWELLING
(2426) W LINWOOD AVE 150 S Hempel, Oakland. Two-story 6-room dwelling.
Owner—H. Hoagensen, 1800 E-38th St., Oakland
Architect—None.
Contractor—W. S. Bigelow, 821 13th St., Oakland. $4500

BUILDING
(2427) NO. 220 GRAND AVE, Oakland All work for domestic and hot water heating for three-story frame building.
Owner—W. L. Mattick.
Architect—L. H. Thomas.
Contractor—Scott Co., Inc., 381 11th St., Oakland.
Filed May 27, '22. Dated ——.
Roughing in pipe system....$1028.34
Completed and accepted..... 1028.34
Usual 35 days..... 1028.34
TOTAL COST, $3085.00
Bond, limit, forfeit, none. Plans and specifications, none.

DWELLING
(2428) LOT 19 BLK 17, Lakeshore Highlands, Oakland. All work for two-story frame dwelling.
Owner—D. T. Buckley, 556 Fairbanks Ave., Oakland.
Architect—None.
Contractor—Alex F. Marshall, 1136 10th Ave., Oakland.
Filed May 27, '22. Dated May 26, '22.
Frame up $1344.75
Roughed in and brick chimneys up 1344.75
All interior and2nd coat exterior plaster on 1344.75
Completed and accepted and all bills paid and released.... 1734.93
TOTAL COST, $7173.35
Bond, 50%. Surety, Fidelity & Deposit Co. Limit, forfeit, none. Plans and specifications filed.

ADDITION
(2429) BOWDITCH AND CHANNING, Berkeley. Addition to school.
Owner—Miss Head School, Premises.
Architect—None.
Contractor — Walter Sorensen, 3221 Ellis St., Berkeley. $3500

ALTERATIONS
(2430) NO. 2004 DELAWARE ST., Berkeley. Alter dwelling into flats
Owner—Mary G. and E. J. Siefert, 2631 Fulton St., Berkeley.
Architect—None.
Day's work. $1000

APARTMENTS
(2431) NO. 2118 HEARST AVE., Berkeley. Two-story 20-room apartments.
Owner—Mrs. Lizzie M. Evans, Hotel Carlton, Berkeley.
Architect—None.
Contractor—C. M. Starr, 2019 Delaware St., Berkeley. $17,000

DWELLING
(2432) NO. 1422 KAINS AVE., Berkeley. One-story 4-room dwelling
Owner—B. M. Paul, 558 16th St., Okd.
Architect—None.
Day's work. $2500

DWELLING
(2433) NO. 823 MENDOCINO ST., Berkeley. Two-story 9-room dwelling.
Owner—G. A. Hutoff, McKinley Apts., Berkeley.
Architect—B. E. Remmell, Peralta Apts., Oakland.
Contractor—W. B. Fields, 3866 14th Ave., Oakland. $8000

DWELLING
(2434) NO. 1632 RUSSELL ST., Berkeley. One-story 4-room dwelling
Owner—Mary M. Wagner, 3407 Adeline St., Berkeley.
Architect—None.
Contractor—B. M. Henderson, 3407 Adeline St., Berkeley. $1500

DWELLING
(2435) NO. 1403 SACRAMENTO S., Berkeley. One-story 5-room dwlg.
Owner—Theodore R. Amberger, 2313 Bush St., San Francisco.
Architect—None.
Contractor — Chas. C. Williams, 1524 Franklin St., Berkeley. $3500

DWELLING
(2436) NO. 1809 SACRAMENTO ST., Berkeley. One-story 5-room dwlg.
Owner—Samuel Harth, 1578 Delaware St., Berkeley.
Architect—None.
Day's work. $2500

DWELLING
(2437) E ARROYUELLO 100 S Entrada Oakland. One-story 5-room dwlg.
Owner—Mrs. M. W. Maleton.
Architect—None.
Contractor—E. W. Woodard, 535 Merritt Ave., Oakland. $3500

ALTERATIONS
(2438) NO. 2340 EIGHTH AVE., Oakland; Alter into apartments.
Owner—Linni Bahl, 1615 High St., Okd.
Architect—None.
Contractor—F. Boerner, 2929 Foothill Blvd., Oakland. $3500

DWELLING
(2439) N EL CENTRO 100 E Dolores. Oakland. One-story 6-room dwlg.
Owner—W. H. Schrader, 479 63rd St., Oakland.
Architect—None.
Contractor—E. Maasberg, 1420 Wellington Ave., Oakland. $4150

DWELLING
(2440) W FIFTY-FIFTH AVE 74 N Brookdale, Oakland. One-story 5-room dwelling.
Owner—H. Goranson, 3476 Laguna Ave., Oakland.
Architect—None.
Day's work. $3600

DWELLING
(2441) N FOOTHILL BLVD 50 W Harrington, Oakland. One-story dwelling and garage.
Owner—H. Christenson, 2350 E-27th St., Oakland.
Architect—None.
Day's work. $2000

DWELLING
(2442) E MAGEE 137 N Hopkins, Oakland. One-story 4-room dwlg.
Owner—N. M. Strahel, 1325 Fruitvale Ave., Oakland.
Architect—None.
Day's work. $1500

DWELLING
(2443) NW PARK BLVD. AND EL Centro, Oakland. One-story 5-room dwelling.
Owner—F. H. Fricke, 2415 25th Ave., Oakland.
Architect—None.
Contractor—H. L. Houch, 4445 Evans Ave., Oakland. $4500

DWELLING
(2444) W REDDING 200 S Loma Vista, Oakland. One-story 4-room dwelling.
Owner—R. B. Bain, 3320 E-14th St., Oakland.
Architect—None.
Contractor—H. L. Valleroy, 3636 Maple Ave., Oakland. $2850

DWELLING
(2445) SE SUNNYSLOPE AND JEAN Sts., Oakland. One-story 6-room dwelling.
Owner—Esther S. Goodwin
Architect—None.
Contractor—E. W. Woodard, 535 Merritt Ave., Oakland. $4000

ALTERATIONS
(2446) NO. 521 THIRTY-THIRD ST., Oakland. Alter into apartments.
Owner—C. Gitteri, Premises.
Architect—None.
Day's work. $4500

APARTMENTS
(2447) E PIEDMONT AVE 120 S Dwight Way S 75xE 135, Berkeley. Certain work for three-story frame apartments.
Owner—Mrs. Anne B. and Fanny J. Pray.
Architect—W. H. Ratcliff, Jr., 1st National Bank Bldg., Berkeley.
Contractor—A. M. Poulsen, 616 41st St., Oakland.
Filed May 29, '2. Dated May 27, '22.
Roughed in $865
Completed and accepted.....Balance
TOTAL COST, $1865
Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

(2448) GRADING, CONCRETE, BRICK, tile, plaster, carpenter, mill, hardware, fixture, shades, glass, painting, electric work, plumbing, sheet metal, iron, roofing, patent beds on above.
Contractor—Lawrence L. Lucas, 555 59th St., Oakland.
Filed May 29, '22. Dated May 27, '22.
Roof boarded $8636.50
Brown coated 8636.50
Completed and accepted..... 8636.50
Usual 35 days..... 8636.50
TOTAL COST, $34,564.00
Bond, $18,000. Surety, Globe Indemnity Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(2449) LOT 47 BLK 3 North Cragmont Berkeley. All work for seven-room frame dwelling and garage.
Owner—F. T. and E. C. Bioletti, 1708 Marin St., Berkeley.
Architect—Lilian Bridgeman.
Contractor—Conner & Conner, Berkeley and Shattuck Aves. Berkeley.
Filed May 29, '22. Dated May 27, '22.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $13,290
Bond, none. Limit, 100 days after May 31. Forfeit, $1. Plans and specifications filed.

DWELLING
(2450) NO. 1841 CATALINA ST., Berkeley. One-story 6-room dwelling
Owner—E. D. Bromlage, 2226 Haste St., Berkeley.
Architect—None.
Day'st work. $4000

DWELLING
(2451) NO. 2307 DERBY ST., Berkeley. One-story 5-room dwelling
Owner—Jas. W. Brazier, 1912 Blake St., Berkeley.
Architect—None.
Day's work. $2500

DWELLING
(2452) S BROOKSIDE ROAD 150 Trestle Glen Road, Oakland. Two-story 8-room dwelling.
Owner—F. R. Caldwell, 1438 Franklin St., Oakland.
Architect—None.
Contractor—J. B. Peppin, 1433 Franklin St., Oakland. $5800

GARAGE
(2453) S E-FOURTEENTH 50 E 35th Ave., Oakland. One-story tile garage.
Owner—A. S. Watson, SW Cor. 33d Ave and Foothill Blvd., Oakland.
Architect—None.
Contractor—Marshall & Burks, Bacon Bldg., Oakland. $9000

ALTERATIONS
(2454) NO. 746 EIGHTEENTH ST., Oakland. Alter into apartments.
Owner—Mrs. J. McLean, Premises.
Architect—None.
Contractor—J. H. Dingwell, 2006 West St., Oakland. $2650

DWELLING
(2455) S FIFTY-FOURTH 200 E Gaskill, Oakland. One-story five-room dwelling.
Owner—Phillip Moran, 610 Watts St., Oakland.
Architect—None.
Contractor—Harry C. Knight, 388 12th St., Oakland. $4500

DWELLING
(2456) S HOPKINS 150 W Bruce, Oakland. One-story 5-room dwlg.
Owner—Joe Silva, 1377 Hopkins St., Oakland
Architect—None.
Day's work. $3000

DWELLING
(2457) N HAMPEL 195 W Park Blvd., Oakland. One-story 5-room dwlg.
Owner—R. Burgk, 1908 28th St., Okd.
Architect—None.
Contractor—L. Johnson, 223 Greenbank Ave., Piedmont. $3700

DWELLING
(2458) N MONTANA 235 E Champion, Oakland. One-story 5-room dwlg.
Owner—Edyth Myers.
Architect—None.
Contractor—L. G. Hudson, 1771 Evers Ave., Oakland. $3200

DWELLING
(2459) E NINETIETH AVE 200 S Hillside, Oakland. One-story 5-room dwelling.
Owner—Manuel Ferria, 2239 92nd Ave., Oakland.
Architect—None.
Contractor—James Piere, 1351 Bay St., Alameda. $3000

STATION
(2460) NE BROADWAY & MATHER, Oakland One-story steel service station.
Owner—Standard Oil Co.
Architect—None.
Day's work $4000

STATION
(2461) NE PIEDMONT AND MONTELL Oakland. One-story steel service station.
Owner—Standard Oil Co.
Architect—None.
Day's work $4000

DWELLING
(2462) N PLEASANT 230 W FRUITVale Oakland. One-story 5-room dwelling
Owner—Peter Ness, 1229 E 19th St.
Architect—None.
Contractor—A. E. Bratset, 2129 64th Ave., Oakland $374

DWELLING
(2463) S PRINCETON ST 80 E FAIRfax, Oakland. One-story 6-room dwelling
Owner—E. E. Rollins, 357 Athol Ave., Oakland.
Architect—None.
Day's Work. $3000

DWELLING.
(2464) E 77TH AVE 225 N HILLSIDE, Oakland. One-story 5-room dwelling.
Owner—Fred Baumann, 2000 45th Ave., Oakland.
Architect—None.
Day's Work. $3000

DWELLING.
(2465) E 28TH AVE 140 N E-17TH ST, Oakland. One-story 5-room dwelling.
Owner—Sarah Sinclair, 1747 28th Ave., Oakland.
Architect—None.
Contractor—Thos. F. Furlong, 61 Echo Ave., Oakland. $3950

APARTMENTS
(2466) N 29TH ST, 100 W WEBSTER, Oakland. Two-story 6-room apartments.
Owner—Enterprise Hall Association, San Francisco.
Architect—E. C. Bangs, 1st Natl. Bank Bldg., San Francisco.
Contractor—R. C. Ogden, Monadnock Bldg., San Francisco. $25,000

DWELLING
(2467) S VERNON 200 E SANTA ROSA Oakland. Two-story 10-rm dwelling.
Owner—Mrs. Ella E. Richardson, 461 Vernon St., Oakland.
Architect—None.
Contractor—J. Dawson, 2121 Durant, Berkeley. $10,000

PAINTING.
(2468) NE E-14TH ST and NW STANley Ave., NW 781.80 NE 1032.49, SE 750.90 SW 1031.69. Painting for two-story and basement administration building.
Owner—Durant Motor Co. of Cal., premises.
Architect—None.
Contractor—The Neal Co., 369 Page St., San Francisco.
Filed May 29, 1922. Dated May 23, 1922.
Tenth day of each month..... 75%
Usual 35 days 25%
TOTAL COST, $2880
Bond, $1440. Sureties, Maryland Casualty Co. Forfeit, none. Limit, July 15. Plans and specifications filed.

WAREHOUSE
(2469) PARK AVE and HUBBARD St., Oakland. All work on concrete warehouse.
Owner—Jay C. Hills.
Architect—Albert C. Martin, Higgins Bldg., Los Angeles.
Contractor — Lawton & Vezey, Call Bldg., San Francisco.
Filed May 31, 1922. Dated May 29, 1922.
1st and15th of ea. mon..... 75%
Usual 35 days 25%
TOTAL COST, $39,179
Bond, $19,589.50. Sureties, U. S. Fidelity & Guaranty Co. Forfeit, none. Limit, 90 days. Plans and specifications filed.

STORE
(2470) N COLLEGE AVE 180 S LAWton Ave S 10 W 73.75, N 42.19 E 60.34, Oakland All work on one-story store and garage.
Owner—M. Reed, College and Taft Aves., Oakland
Architect—None
Contractor—H. & C. Lassen, 5323 College Ave. Oakland
Filed May 31, 1922. Dated Mar. 18, 1922.
Frame up $1000
Plastered 1000
Coated 1000
30 days 900
TOTAL COST, $3900
Bond, none. Sureties, none. Forfeit, $2.00 day. Limit, 50 days from Mar. 25. Plans and specifications filed.

DWELLING
(2471) N EL CENTRO 100 E Dolores St being Lot 32 Blk 5 Map Fourth Ave Terrace Extension, Oakland. All work for one-story frame dwelling.
Owner—W. H. Shrader, 479 63rd St., Oakland.
Architect—None
Contractor—E. Maasberg, 1420 Wellington Ave., Oakland
Filed May 29, '22. Dated May 27, '22.
Sheathed $1000
Brown coated 1000
Completed and accepted..... 1075
Usual 35 days..... 1075
TOTAL COST, $4150
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(2472) 1550 OAKLAND AVE, Piedmont. Two-story 8-room residence.
Owner—J. R. Anderson.
Architect—None.
Day's Work. $9000

RESIDENCE
(2473) 23 GREENBANK AVE., Piedmont. One-story 7-room residence.
Owner—Herbert H. Sack, 4038 Piedmont Ave., Piedmont.
Architect—None.
Contractor—A. J. Yerrick, 5255 College Ave., Oakland. $7000

ADDITION.
(2474) 2112 BANCROFT WAY, Berkeley. Addition.
Owner—Pacific Tel. & Tel. Co.
Architect—None.
Contractor—W. G. Thornalley, 357 12th St., Oakland. $10,000

FLATS
(2475) 2247 CEDAR ST, Berkeley. Two-story 12-room flats.
Owner—Dr. W. F. Clark, 1941 Carlton St., Berkeley.
Architect—None.
Contractor—M. P. Brasch, 2731 Ashby Ave. Berkeley. $11,500

DWELLING.
(2476) 1931 COLUSA, Berkeley One-story 6-room dwelling
Owner—J. Baker.
Architect—None.
Contractor—C. J. Pfrang, 180 Forest St., Oakland. $5250

DWELLING.
(2477) 1635 JAYNES, Berkeley. One-story 5-room dwelling.
Owner—H. A. Anderson, 1405 Spring Way, Berkeley.
Architect—None.
Day's Work $2400

DWELLING.
(2478) 1756 MARIN, Berkeley. One-story 6-room dwelling.
Owner—J. S. Thornton, 3161 College Ave., Berkeley.
Architect—None.
Contractor—O. H. Butzke, 1315 66th St., Berkeley. $4500

DWELLINGS.
(2479) 1735 and 1733 MADERA AVE, Berkeley. Two 1-story 5-room dwellings.
Owner—Harry Ahnefeld, 2123 Parker St., Berkeley
Architect—None
Day's Work $3800 each

DWELLING
(2480) 1114 OREGON, Berkeley One-story 4-room dwelling.
Owner—Anna Cu[illegible] 2736 Wallace, Berkeley

Architect—None.
Contractor—A. G. Schroeder, 1099 66th St., Berkeley. $1700

GARAGE.
(2481) 1637 WALNUT, Berkeley. Garage.
Owner—Mrs. Oscar M. Bennett, premises.
Architect—None.
Contractor—E. F. Slack, 2121 Cedar St., Berkeley. $10,000

REPAIRS
(2482 2328 WARRING, Berkeley. Fire repairs.
Owner—Juster & Baird.
Architect—None.
Contractor—Curtis Wright, 2716 Telegraph Ave., Berkeley $1500

DWELLING
(2483) N ALLENDALE AVE 140 E 35th Ave., Oakland. One-story 4-room dwelling.
Owner—Louise H. Short, 574 Rosal Ave., Oakland.
Architect—None.
Contractor—C. W. Short. $2500

DWELLING
(2484) N BROADWAY TERRACE 20 W Golden Gate Ave., Oakland. One-story 5-room dwelling.
Owner—James D. Baker, 2910½ Benvenue Ave., Berkeley.
Architect—None.
Contractor—W. T. Vaughn, 381 51st St., Oakland. $5186

DWELLING
(2485) N BROOKDALE AVE 175 E Kingsland, Oakland. One-story 6-room dwelling.
Owner—Mrs. Sophie Wright, 2795 26th Ave., Oakland.
Architect—L. F. Hyde.
Contractor—Kick & Steele. $5000

DWELLING
(2486) S CLARENDON CRESCENT 479 E Mandana, Oakland. One and one-half-story 7-room dwelling.
Owner—A. Roscoe Watts, 1225 Broadway, Oakland.
Architect—Harris Allen, Central Bank Bldg., Oakland.
Day's work. $8000

DWELLING
(2487) NE EIGHTY-THIRD AVE AND B St., Oakland. One-story 6-room dwelling.
Owner—F. and A. Joiner.
Architect—None.
Contractor—J. A. Stanley, 1436 45th Ave., Oakland. $4009

ALTERATIONS
(2488) NO. 1200 E-THIRTY-NINTH St., Oakland. Alterations and additions.
Owner—Mrs. Weber, Premises.
Architect—None.
Contractor—Fred Hambleton, 3737 13th Ave., Oakland. $3925

STORES AND APTS.
(2489) SW FORTIETH AND TELEgraph Ave., Oakland. Three-story frame stores and apartments.
Owner—Geo. Hoffschneider, Nevada Bk. Bldg., San Francisco.
Architect—Sidney B. & Noble Newsom. Nevada Bank Bldg., San Francisco
Day's work. $3800

DWELLING
(2490) S FOOTHILL BLVD 37 W 39th Ave, Oakland. One-story store and dwelling.
Owner—J. T. Hannum, San Francisco.
Architect—None.
Contractor—J. S. Marshall, 3521 E-18th St. Oakland. $2250

DWELLING
(2491) N HILLGIRT CIRCLE 250 E Wesley, Oakland. Two-story 7-room dwelling.
Owner—Alfred Warburton.
Architect—None.
Contractor—A. Frederick Anderson, 2800 Delaware St., Oakland. $7000

DWELLING
(2492) W LOCKSLEY 50 N Cavour, Oakland. One-story 5-room dwlg.
Owner—M. E. Valente, 1015 Channing Way, Berkeley.
Architect—None.
Day's work. $3200

DWELLING
(2493) E PROSPECT AVE 80 N Haddon Road, Oakland. Two-story 8-room dwelling and garage.
Owner—P. E. Woodburn, 3965 Greenwood Ave., Oakland.
Architect—None.
Day's work. $7000

DWELLING
(2494) E SIXTY-FOURTH AVE 340 N Fairview, Oakland. One-story 5-room dwelling.
Owner—Geo. F. Peterson, 1315 Fruitvale Ave., Oakland.
Architect—None.
Contractor—R. O. McCline. $3200

DWELLING.
(2495) N WELDON AV 200 W Lakeshore, Oakland. One-story 6-rm. dwelling.
Owner—Mrs. M. E. Higgins.
Architect—None.
Contractor— Jordan & Zelle, 5844 Broadway, Oakland. $5000

APARTMENTS
(2496) NE COR PARK BLVD and Everett Ave., Oakland. Two-story 20-room apartments and stores.
Owner—Fred Brunette, 2301 12th Ave., Oakland.
Architect—None.
Contractor—John Almquist, 5356 Trask St., Oakland. $17,500

DWELLING.
(2497) NW COR BOULEVARD WAY and Grand Ave NE 59.90 NW 111.30 SW 26.55 S 120.96, Oakland. One-story dwelling.
Owner—J. and Rose Schwartz, 415 Euclid Ave., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—Louis and Edward Johnson, 223 Greenbank Ave., Piedmont.
Filed June 1, 1922. Dated May 31, 1922.
Frame up $2250
Brown coated 2250
Completed and accepted 2500
Usual 35 days 2502
TOTAL COST, $9502
Bond, $5000. Sureties, Mrs. Annie E. Johnson and Mrs. James Anderson. Forfeit, $5 day. Limit, Sept. 30. Plans and specifications filed.

CHURCH.
(2498) LOT 30 and PTN LOTS 20, 31, 28, 29, Blk 152 Map Property Alameda County Land Co., Oakland. Carpenter, concrete, mill, stair, tile, roofing, sheet metal, glazing, etc., for reinforced concrete church.
Owner—Fourth Church of Christ Scientist in Oakland.
Architect—Carl Werner, Call Bldg., San Francisco.
Contractor—Mission Concrete Co., Call Bldg., San Francisco.
Filed June 1, 1922. Dated May 18, 1922.
1st day each month..... 75%
Usual 35 days 25%
TOTAL COST, $38,302
Bond, $19,151. Sureties, Stephen I. Guerin and Edwin Peterson. Forfeit, $5 day. Limit, 120 days. Plans and specifications filed.

(2499) PAINTING ON ABOVE.
Contractor—C. E. Gordon, 180 Jessie St., San Francisco.
Filed June 1, 1922. Dated May 18, 1922.
Payment same as above.
TOTAL COST, $3600
Bond, $1800. Sureties, Harrison Barto and F. J. Reilly. Forfeit, $5 day. Limit, 30 days. Plans and specifications filed.

(2500) ELECTRIC WORK ON ABOVE
Contractor—Kimball Electric Co., 526 13th St., Oakland.
Filed June 1, '22. Dated May 18, '22.
Payments same as above.....
TOTAL COST, $3871
Bond, $1936. Sureties, W. B. West and Mrs. Edna K. Angsburg. Limit, 30 days. Forfeit, $5. Plans and specifications filed.

(2501) PLUMBING ON ABOVE.
Contractor—Wade & Miller, 3355 17th St., San Francisco.
Filed June 1, '22. Dated May 18, '22.
Payments same as above.....
TOTAL COST, $1857
Bond, $929. Sureties, R. W. Kinney and Fred Braun. Limit, 30 days. Forfeit $5. Plans and specifications filed.

(2502) HEATING & VENTILATING on above.
Contractor — Ideal Heating Co., 1756 Mission St., San Francisco.
Filed June 1, '22. Dated May 18, '22.
Payments same as above.....
TOTAL COST, $2181
Bond, $1091. Sureties, R. J. O'Brien & T. F. Kiernan. Limit, 30 days. Forfeit $5. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted

May 31, 1922—E GROVE ST 50——— S ——— E 90, being Lot 3 Blk 2110 ——— ———. M. R. Foubert to Fred Hambleton.....May 27, 1922

May 31, 1922—LOT 25 and SW 10 LOT 22, Blk C, Boulevard Park Tract, Oakland. Alta S. Junker to J. S. Marshall .....May 17, 1922

May 31, 1922—SW Colusa Ave 419.70 NW Portland Ave NW 40 SW 100, Berkeley. J. A. Wilson to whom it may concern .....May 27, 1922

June 1, 1922—LOT 31 BOULEVARD Park 4th Ave Heights, Oakland. Katherine Houck to H. L. Houck .....June 1, 1922

June 1, 1922—S 30 LOT 9 and N 10 Lot 10, Blk H, Map Boulevard Heights, Oakland. Maria J. Nilsson to W. Johnson....May 26, 1922

June 1, 1922—LOT 5 BLK E MAP Blks A and E, Crystal Springs Tract, Berkeley. Julia A. Martin to J. W. Krafft .....May 27,1922

June 1, 1922—LOT 12, BLK 13 Northbrae, Berkeley. A. J. Pollard to whom it may concern ..May 27, 1922

May 29, 1922—LOT 102 Amended Map Alta Piedmont Tract, Oakland Tp. M F Brasch to whom it may concern.....May 29, 1922

May 29, 1922—PTN 6 AND 8 BLK 9, Daley's Scenic Park, Berkeley. Bessie Gallagher to John Foran.. .....May 20, 1922

May 31, 1922—W MYRTLE 110 S 21st S 30 ———, Oakland. Nora Britt to whom it may concern..May 18, 1922

May 31, 1922—LOT 4 BLK "N" Vernon Park, Oakland. Max Reed to H & C Lassen.....May 25, 1922

May 31, 1922—LOT 35 Map Highland Tract Addition to Town of Hayward. Mary Jane Haesebrouck to whom it may concern..June 30, 1921

May 31, 1922—LOTS 17 AND 18 Map Tract B Berkeley L. T. I. Assn., Berkeley. T W Moran to C M MacGregor .....May 27, 1922

May 31, 1922—PTN LOTS 3 AND 4 Blk 3 Barker Tract, Berkeley. B K Denbigh by James W Plachek to Jepsen Bros. May 31, 1922; W C Austin..................May 31, 1922

May 31, 1922—LOTS 1 TO 6 inclu Blk 1 Barker Tract, Berkeley. W W Whitecotton by James W Plachek to H McCullough & Son, May 31; George Stetter..........May 31, 1922

May 26, 1922—W THIRTY-THIRD Ave 151 SE E-16th S 64xW 110, Oakland. Ernest E Silva to F J Schneider..............May 20, 1922

May 27, 1922—SHATTUCK AVE bet. Bancroft and University Ave., Berkeley. Southern Pacific Co to Hutchinson Co..........May 23, 1922

May 26, 1922—S LINCOLN AVE 65 E Willow E 25xS 50, Alameda. Ancero Petersen to whom it may concern...............May 25, 1922

May 26, 1922—W COLLEGE AVE 100 S Woolsey, Berkeley. R E McMann to Sommarstrom Bros..May 26, 1922

May 26, 1922—LOT 31 and S ½ Lot 32 Blk 27 Amended Map Regents Park, Berkeley. Herbert Green to whom it may concern..May 25, 1922

May 26, 1922—W WEBSTER 380 S 21st W 192.44 S 50.07 E 189.79 N 50, Oakland. F Baker, G B Hengen and N R Ostbern to F A Muller... ....May 20, 1922

LIENS FILED

ALAMEDA COUNTY

Recorded — Amount

May 29, 1922—LOT 11 BLK "O", Oakland Highlands, Oakland. Eureka Mill & Lumber Co vs J V Symington and Mrs. M Oakley........$77.29

May 26, 1922—LOT 11 BLK "D" Map Lakeshore Terrace, Oakland. A Jaronski vs Charles Rogers, A H Luebekeman and Central National Bank $135

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded — Amount

May 31, 1922—LOT 14 BLK 31 Kellersbergers' Map of Oakland. Henry Cowell Lime & Cement Co. to Hyman Davis $685.45

Notice of Non-Responsibility

ALAMEDA COUNTY

May 27, 1922—PTN LOTS 169 AND 173, Re-sbdvn Blk D and Ptn Lots 82, 85, 77 and 83 Re-sbdvn Blk C, Meek Estate Orchards, Oakland. H W Meek Estate as to improvements on property ....

May 27, 1922—LOT 77 Re-sbdvn Blk C; Lot 169 Re-sbdvn Blk D, Meek Estate Orchards. H W Meek Est as to improvements on property..

May 27, 1922—Ptn Blk 15, May Key Route Heights. Alameda Invst Co as to improvements on property..

May 27, 1922—LOTS 161 AND 162 Re-sbdvn Blk D, Meek Est Orchards. Alameda Investment Co as to improvements on property...........

May 27, 1922—LOTS 5 AND 6 BLK 24, Key Route Heights. Alameda Investment Co as to improvements on property .. ..

BUILDING CONTRACTS

SAN MATEO COUNTY

DWELLING
PTN LOTS 26 AND 27, BLK 3, GLENwood Park, Burlingame. Furnish and construct one-story frame dwelling and garage.
Owner—John and Daisy M. Tunnicliffe, 3363 Mission St., San Francisco.
Architect—Charles F. Strothoff, 2276 15th St., San Francisco.
Contractor—Oscar Wilson and Andrew J. Benson as Wilson & Benson, co-partners, 336 Ashton Ave., San Francisco.
Filed May 23, 1922. Dated May 22, 1922

Frame up and sheathed.....	$1868.75
Brown plaster in and outside	1868.75
Completed and accepted	1868.75
Usual 35 days	1868.75
TOTAL COST,	$7475.00

Bond, $3740. Sureties, Charles Monson. Limit, 90 working days. Plans and specifications filed.

DWELLING
NORTHERLY 50 FT BURLINGAME Heights Burlingame. Furnish and construct one-story frame dwelling.
Owner—Sarah L Boekenoogen, San Francisco.
Architect—Charles F. Strothoff, 2276 15th St., San Francisco.
Contractor—Wilson & Benson, 336 Ashton Ave., San Francisco.
Filed May 23, 1922. Dated May 22, 1922.

Frame up and sheathed......	$1175
Plaster inside and outside.....	1175
Completed and accepted	1175
Usual 35 days	1175
TOTAL COST,	$4700

Bond, $2350. Sureties, Chas. Monson and Edwin T. Peterson. Forfeit, none. Limit, none. Plans and specifications filed.

DWELLING
PTN LOTS 26 AND 27, BLK 3, GLENwood Park. Burlingame. Furnish and construct one-story and basement frame dwelling and garage.
Owner—Henry W. and Gladys Flora Boekenoogen, 3579 19th St., San Francisco.
Architect—Chas. F. Strothoff, 2276 15th St., San Francisco.
Contractor—Wilson & Benson, 336 Ashton Ave., San Francisco.
Filed May 23, 1922. Dated May 22, 1922.

Frame up and sheathed	$1625
Brown Plaster inside and out..	1625
Completed and accepted	1625
Usual 35 days	1625
TOTAL COST,	$6500

Bond, $3250. Sureties, Chas. Monson and Edwin T Peterson. Forfeit, none. Limit, 90 days. Plans and specifications filed.

BUNGALOW
BURLINGAME. All work for bungalow and garage.
Owner—Gus. A. Abrudrath.
Architect—None.
Contractor—Alfred C. Dahl.
Filed May 23, '22. Dated May 17, '22

Signing contract	$ 50
Foundation in	300
Rafters in place.............	1250
Brown plaster on.............	1250
Completed	1250
Usual 35 days	1250
TOTAL COST,	$5350

Bond, none. Limit, on or before Sept 20, 1922. Forfeit, none. Plans and specifications filed.

PILING FOUNDATION
PACIFIC CITY, San Mateo. All work for piling foundation for dancing pavilion
Owner—C. W Iverson, Hotel Turpin, San Francisco.
Associated Architects—Alfred Kuhn & T. M. Edwards, 833 Market St., San Francisco
Contractor—George A Renner (as Renner Foundation Co.), 44 Lloyd St., San Francisco.
Filed May 23, '22. Dated May 23, '22
Completed and furnishing receipted bills for all labor and materials
TOTAL COST, $2500
Bond, none. Limit, 8 days Forfeit, none Plans and specifications filed

DWELLING
LOTS 13 & 14 BLK 1, Glenwood Park, Burlingame. All work for one-story and basement frame dwelling and garage.
Owner—Charles W. and Elizabeth Stoffers, 3159 16th St., San Francisco.
Architect—Charles F. Strothoff, 2276 15th St., San Francisco.
Contractor—Wilson & Benson, 336 Ashton Ave., San Francisco.
Filed May 23, '22. Dated May 22, '22.

Frame up and sheathed........	$1900
Brown plaster inside and out..	1900
Completed	1900
Usual 35 days...	1900
TOTAL COST	$7600

Bond $3800. Sureties, Chas. Monson and Edwin T. Peterson. Limit, 90 days. Forfeit, none. Plans and specifications filed.

APARTMENT
WEST SIDE MAIN ST, near Burlingame Ave, Burlingame, Cal. Furnish and install plumbing on a two-story reinforced store and apartment building.
Owner—A. S. Daudistel, 1120 Burlingame Ave., Burlingame.
Architect—Ernest R. Norberg, 595 Market St., San Francisco.
Contractor—W. C. Palamountain, 1213 Burlingame Ave, Burlingame.
Filed May 29, 1022. Dated May 24, 1922.

5th of each month	60%
And at completion not to exceed	75%
Usual 35 days	25%
TOTL COST,	$1637

Bond, $820. Sureties, Fred Lawton and F. S. Wilkinson. Forfeit, none. Limit, 105 working days. Plans and specifications filed.

BUNGALOW
LOT 7 BLK 18, LOMITA PARK, Cal. Furnish and construct one-story frame stucco bungalow.
Owner—Miss Grace Fritz.
Designer—R. F. de Sanno.
Contractor—Thomas A. Cuthbertson, 1766 12th Ave., San Francisco.
Filed May 26, 1922. Dated May 20, 1922.

Frame up	$833
Brown coated and plastered....	833
Completed and accepted	833
Usual 35 days	834
TOTAL COST,	$3333

Bond, $1700. Sureties, J. H. McCallum and E. O. Benner. Forfeit, $1 day. Limit, 70 working days. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded — Accepted

May 29, 1922—LOT 3 BLK 9, Easton Addition, Burlingame. D P Harkins to E C Harkins....May 26, 1922

May 29, 1922—LOT 11 BLK 8, Burlingame Park No. 2, Burlingame. Mangin, Ellen and Nick Athas to whom it may concern..May 24, 1922

May 26, 1922—LOT 2 BLK 11 BURlingame. Harry S Miller to Larsen & Siegrist Co.......May 25, 1922

May 24, 1922 LOT 5 BLK 3, Glenwood Park, Burlingame Adelneld S and M Donaldson to Unit Builders .. ..May 11, 1922

May 24, 1922 COR SAN MATEO Ave (now El Cerrito Ave) and El Cerrito Terrace (now Randolph Ave) Philip S Bush to J C Baker ....May 2?, 1922

May 25, 1922 LOT F BLK ?, Burlingame Terrace, Burlingame ... W Munz to whom it may concern . ...May 16, 1922

LIENS FILED

SAN MATEO COUNTY

Recorded Amount

May 27, 192—LOT 25 BLK 15, Vista Grand No. 2, Daly City. Jas H Wickstrom vs James Rixen et al $55

May 24, 1922—LOT 3 BLK 13, Town of San Carlos. Thomas D Ruggles vs Fred Rosenstein, Jane Doe et al $70

BUILDING CONTRACTS

FRESNO COUNTY

$5,000 and Over Reported

COTTAGE

SE COR. SEC. 18, 14-22, Fresno. All work for frame cottage.

Owner—San Joaquin Light & Power Cptn., 1801 Tulare St., Fresno.

Architect—None.

Contractor—Chris Sehrt, 2027 Fresno St., Fresno.

Filer May 24, '22. Dated May 15, '22.

Frame completed $708
Plastered 708
Completion 708
Usual 35 days..... 708
TOTAL COST, $2832

Bond, $1416. Surety, American Surety Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

SCHOOL

PARLIER SCHOOL DISTRICT, Fresno. All work for two-story masonry school building.

Owner—Parlier School District, Fresno Co., Calif.

Architect—Swartz & Ryland, Rowell Bldg., Fresno.

Contractor—Robert W. Brown & P. M. Stafford, Madera, Calif.

Filed May 23, '22. Dated May 22, '22.

Payments semi-monthly for work and material furnished..... 75%
Usual 35 days..... 25%
TOTAL COST, $52,000

Bond, $——. Surety, National Surety Co. Limit, Oct. 15, 1922. Forfeit, $25. Plans and specifications filed.

DWELLING, $5000; No. 2960 Ventura St., Fresno; owner, Montgomery Thomas, Griffith McKenzie Bldg., Fresno; day's work.

APARTMENT HOUSE, $8000; No. 736 Vassar St., Fresno; owner, L. P. Peterson, Fresno; contractor, J. S. Hodge, Fresno.

OFFICE BLDG., eight-stery brick and reinforced concrete, $525,000; J & Tulare Sts., Fresno; owner, Fresno Bldg. & Invst. Co.; architect and contractor, R. F. Feuchlin, Bank of Italy Bldg., Sacramento.

APARTMENT HOUSE, $14,000; No. 1561 Wishon Ave., Fresno; owner, E. L. Lord, 3120 Huntington St., Fresno; contractor, J. D. Brase, Fresno.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted

May 26, 1922—LOT 1 BLK 42, Sierra Vista Addition, Fresno. Fresno Bldg Cptn to whom it may concern .....May 25, 1922

May 27, 1922—LOTS 20 AND 21 BLK 6 Van Ness Heights, Fresno. E B Walthall to whom it may concern .....May 27, 1922

May 27, 1922—LOT 4 BLK 11, Wilson North Fresno Tract, Fresno. L J Trombly to whom it may concern .....May 25, 1922

May 24, 1922—E 112.4 FT. OF W 224.8 ft. of N 387.54 ft. of E 5 acres of Lot 120, Montpellier Tct, Fresno. Conrad Q Young to whom it may concern.....May 23, 1922

May 24, 1922—PTN BLK 87, San Joaquin. San Joaquin Light & Power Cptn to whom it may concern.....May 20, 1922

May 24, 1922—LOTS 25 AND 26 BLK 7, Sierra Vista Addition, Fresno. Jacob A Schlotthauer to whom it may concern.....May 22, 1922

May 25, 1922—LOTS 19 TO 22 BLK 2 and Lots 25 to 28 Blk 8, Woodward Addition, Fresno. W J Moore to whom it may concern... .....May 18, 1922

May 25, 1922—LOTS 31 AND 32 BLK 2, Cleveland Tract, Fresno. Frank English et al to whom it may concern.....May 6, 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount

May 27, 1922—LOTS 29 AND 30 BLK 6, Dean Park, Fresno. J B Welliver vs J A Bondon.....$118

May 24, 1922—LOTS 34 AND 35 BLK 13, Roeding Addition, Fresno. Victor J Cox vs Jose Edgerton and R U McIntosh.....$502

May 24, 1922—LOTS 23 AND 24 BLK 11, North Park Terrace, Fresno L Rosenberg vs Alice M Dorsey....$264

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

$2,500 and Over Reported

SCHOOL

BLOCK 102, E CENTER ST, STOCKTON Brick, concrete and frame addition to Jackson Grammar School building.

Owner—Board of Education of the City of Stockton, Stockton, Cal.

Architect—Wright & Satterlee, Bank of Italy Bldg., Stockton.

Contractor—R. W. Moller, Call Bldg., San Francisco.

Filed May 26, 1922. Dated May 23, 1922
TOTAL COST, $55,442

Bond, none. Sureties, none. Forfeit, none. Limit, 100 working days. Plans and specifications filed.

HEATING SYSTEM

W NORTH ST. AND SACRAMENTO Road, Stockton. Heating and ventilating plant for addition to El Dorado School building.

Owner—Stockton Board of Education of the City of Stockton.

Architect—Frank Mayo, Yosemite Bldg. Stockton.

Contractor—Miller Hays Co., 125 N-California St., Stockton.

Filed May 27, '22. Dated May 15, '22.

Payments not given.....
TOTAL COST, $6423

Bond, none. Limit, 90 working days. Forfeit, none. Plans and specifications none.

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ROSS E. PIERCE, Manager
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HEATING PLANT

BLK 102 E- CENTER ST., Stockton. All work for heating and ventilating for addition to Jackson Grammar School building.

Owner—Board of Education of the City of Stockton.

Architect—Wright & Satterlee, Bank of Italy Bldg., Stockton.

Contractor—Edward L. Gnekow, 647 E-Main St., Stockton.

Filed May 27, '22. Dated May 17, '22.

Payments not given.....
TOTAL COST, $9516

Bond, none. Limit, 90 working days. Forfeit, none. Plans and specifications none.

REPAIRS, $3000. S San Joaquin St., Stockton; owner, W. E. French, 722 N. Harrison St., Stockton.

RESIDENCE and garage, $3300. N East St, Stockton. Owner, C. Nelson, 1421 E. Channel St., Stockton.

STORE and Lodging House, $45,000. E Main St., Stockton. Owner, Hattie Gall, 125 E. Vine St., Stockton.

RESIDENCE, $2500. W 5th St., Stockton. Owner, Allie Lopez, Southwell-Hunter Auto Co., Stockton.

RESIDENCE and garage, $4500. W. Regent St., Stockton. Owner, G. Maddock, California Bean Growers' Association, Stockton.

RESIDENCE and garage, $5200. N Baker St., Stockton. Owner, S. H. Hall 740 W Acacia, Stockton.

RESIDENCE and garage, $3500. W. North St., Stockton. Owner, Ernest Stuart, 207 W. Poplar, Stockton.

STABLE and wagon shed, $3500. S. Stanislaus St., Stockton. Owner, Henery & Worcester, 139 E. Walnut, Stockton.

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount

May 25, 1922—Lots 2, 11, 13, 14, 15, 16, 21 and 22 & N 18.4 ft. Lot 24 Escalon Farms, Stockton. Edward Van Vranken vs. J. C. Hoover et al $176.77

BUILDING CONTRACTS

SANTA CLARA COUNTY

$1000 and Over Reported

BUNGALOW

SAN JOSE. All work for frame bungalow.

Owner—Lulu L. Murch, San Jose.

Architect—None.

Contractor—A. J. Nielsen, 156 S-20th St., San Jose.

Filed May 24, '22. Dated May 20, '22.

All studding and plates in place.$775
Roof, wiring and lathing finished 775
Upon completion 775
Usual 35 days..... 775
TOTAL COST, $3100

Bond, none. Limit, 60 working days from May 20, 1922. Forfeit, none. Plans and specifications filed.

BANK BLDG.

SUNNYVALE. All work for reinforced concrete bank building.

Owner—Bank of Italy, Sunnyvale.

Architect—Edward T. Foulkes, Crocker Bldg., San Francisco.

Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Filed May 24, '22. Dated Apr. 19, '22.

As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $28,289

Bond, $14,144.50. Sureties, Albert Lachman and J. T. Casey. Limit, on or before Oct. 1, 1922. Forfeit, $25 a day. Plans and specifications filed.

BUNGALOW
SAN JOSE. All work for one-story shingle roof, stucco bungalow.
Owner—Margaret J. Mason. San Jose.
Designer—William J. Mason, 98 S-16th St., San Jose.
Contractor—E. E. Arnott, Campbell.
Filed May 29, '22. Dated May 29, '22.
Frame up and sheathing on..$1369.37
1st coat plaster on..... 1369.37
Accepted and notice of completion filed 1369.37
Usual 35 days..... 1369.37
TOTAL COST, $5477.50
Bond, $2800. Sureties, Philander Arnott and Mary Williams. Limit, 90 working days after May 29, 1922. Forfeit, none. Plans and specifications filed.

RESIDENCE
SAN JOSE. All work for one-story 5-room frame and plaster residence.
Owner—Mrs. H. B. Moore, 416 S-6th St., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—E. E. Arnott, Campbell.
Filed May 31, '22. Dated May 25, '22.
Frame up and plaster on.....$1250
1st coat plaster inside and out 1250
Completed and accepted..... 1250
Usual 35 days..... 1250
TOTAL COST, $5000
Bond, $2500. Sureties, Philander Arnott and Mary Williams. Limit, 75 working days from May 25, 1922. Forfeit, none. Plans and specifications filed.

COTTAGE.
NO. 466 AUZERAIS ST, SAN JOSE. Five-room cottage.
Owner—J. P. Mauchle, 420 Gardner St., San Jose.
Architect—None.
Contractor—Jerome Garcia, 1052 South First St., San Jose $2940

ALTERATIONS.
NO. 217 S. ELEVENTH ST, SAN JOSE. Alter garage to apartment.
Owner—L. T. Clark, 54 S. 15th St., San Jose.
Architect—None.
Contractor—L. A. Smith, 129 S. 19th St., San Jose. $1200

COTTAGE
NO. 1176 MASTIC ST., San Jose. Four-room cottage.
Owner—Wm. H. O'Neil, 500 N. 15th St., San Jose.
Architect—None.
Day's Work. $1750

COTTAGE, five-room, $3100; Seventeenth St., near Jackson, San Jose; owner, L. Murch, 311 S-19th St., San Jose; contractor, A. J. Nielson, 358 N-Fourth St., San Jose.
COTTAGE, five-room, $3950; 15th St., near William, San Jose, owner, J. A. Wagner, 320 S-15th St., San Jose day's work
COTTAGE, four-room, $2900;12th St. near William, San Jose; owner, Geo. Frost, 560 E-William St., San Jose, contractor, Jas. L. Mieux, 567 S-Sixth St., San Jose
COTTAGE, four-room, $1500, San Antonio near Thirteeth; owner, J. D. Jasper, 1421 E-San Antonio St., San Jose; day's work
COTTAGE, four room, $1990; No. 186 Montgomery St., San Jose; owner, Angelo Turina 9 Otterson St., San Jose, contractor, G. W. Humphrey, 363 Prevost St., San Jose; day's work.
COTTAGE, 5-room, $2950; No. 1161 Sherman St., San Jose, owner, Jos. H. Bechtis, contractor, W. H. O'Neil 485 N-12th St., San Jose
COTTAGE, 7-room, $7000; Fourteenth St. near San Carlos, San Jose, owner, H. D. McKenley, 376 S-Fifth St., San Jose; architect, Wolfe & Higgins, Auzerais Bldg., San Jose; contractor, F. J. Huxtable, 377 S-6th St., San Jose.
COTTAGE, 6-room, $3300; Third and Martha Sts., San Jose; owner, A. P. Jensen; contractor, A. J. Nielsen, 358 N-Fourth St., San Jose.
BUSINESS BLDG., concrete, $29,400; First St. near San Antonio; owner, Mutual Bldg. & Loan Ass'n., Alexander Bldg., San Jose; architect, Binder & Curtis, 257 S-1st St., San Jose; contractor, R. O. Summers, 17 N-1st St., San Jose.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
May 29, 1922—SAN JOSE. Clyde Alexander to whom it may concern.....May 25, 1922
May 29, 1922—SAN JOSE. Anthony G Schutte to Wm Regel.May 26, 1922
May 29, 1922—SAN JOSE. William Regel to whom it may concern... .....May 26, 1922
May 31, 1922—SAN JOSE. E V Fuchs to T J Lannin.....May 29, 1922
May 25, 1922—N-SIXTEENTH ST., San Jose. J T Walsh to whom it may concern.....May 24, 1922
May 24, 1922—SAN JOSE. A M Elliott to A M Elliott.....May 23, 1922

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
May 21, 1922—NEAR SANTA CLARA. The Minton Co vs Frank L Hoyt and Geo E Patton.....$4050.71

RELEASE OF LIENS

SANTA CLARA COUNTY.

Recorded Amount
May 24, 1922—NEAR MOUNTAIN View. Adams Lumber Co to Justin Maderos $2514.75

BUILDING CONTRACTS

CONTRA COSTA COUNTY

SCHOOL, two-story frame grammar, $34,000; W-12th St. bet. Florida and Virginia; owner, Richmond School Board, Office Lincoln School, 10th and Macdonald Ave., Richmond; architect, J. T. Narbett, 9th and Macdonald Ave., Richmond; segregated contracts.
SCHOOL, three-story concrete and tile Union High, $443,000; S Bissell, bet. 8th and 9th Sts., Richmond; owner, Richmond School Board, Richmond; architect, J. T. Narbett, 9th and Macdonald Ave., Richmond; segregated contracts.

BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 and Over Reported

DWELLING, 1-story, 5-room, $3500. 724 San Miguel, Sacramento. Owner, Mrs. M. Place; contractor, P. R. Opdyke, Rte 1, Box 60a, Sacramento.

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San Francisco

DWELLING, one and one-half-story 6-room and garage, $3000; No. 834 36th St., Sacramento; owner, M. Watson, 1014 21st St., Sacramento; day's work.
FLATS (2) two-story and garage, $5000 No. 1015 V St., Sacramento; owner, J. Foster, 11th and R Sts., Sacramento; contractor, Watson & Bennie, 1014 21st St., Sacramento.
DWELLING, two-story 3-flat, $8050; No. 2614 26th St., Sacramento; owner, Mrs. L. Leal, 317 U St.; contractor, Vanina & Son, 2022 M St., Sacramento.
DWELLING, one-story 6-room and garage, $5250; No. 931 42nd St., Sacramento; owner, Anna E. Williams, 4440 San Benito St., Sacramento; day's work.
TWO FLATS, 4 rooms each and garage, $4800; No. 2520 W St., Sacramento; owner, C. J. Hopkinson, 1318 25th St., Sacramento; day's work.
DWELLING, one-story 5-room and garage, $3000; No. 650 San Antonio St., Sacramento; owner, Mamie Fernandez, 4330 8th Ave., Sacramento; day's work.
DWELLING, one-story 5-room, $3000; No. 708 53rd St., Sacramento; owner, Joe Fanger, R. F. D. No. 2, Box 599, Sacramento; day's work.
DWELLING, one-story 5-room and garage, $2600; No 4028 Sherman Way, Sacramento; owner, W. L. Wilson, Premises; contractor, F. O. Noel, 3023 Sacramento Blvd., Sacramento
ALTERATIONS, raise house and finish lower floor into 4-room flat and remodel upper flat, $2500; No. 1616 N St., Sacramento; owner, A. Farros, Premises; contractor, C. Vanina, 2022 M St., Sacramento.
ADD one-story, $8000; No. 901 L St., Sacramento; owner, L. G. Siller, 1617 13th St., Sacramento; contractor, Silier Bros., 1617 13th St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
May 31, 1922—3101 C ST, Sacramento. George Coleman to whom it may concern .....May 31, 1922
May 29, 1922—SOUTHERN PACIFIC Shops, Sacramento. Southern Pacific Co to whom it may concern... .....May 24, 1922

LIENS FILED

SACRAMENTO COUNTY

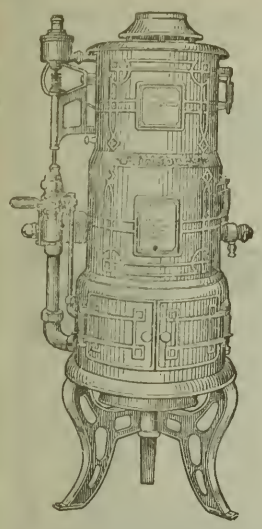
Recorded Amount
May 31, 1922—S ½ LOT 5, F, G, 16th and 17th Sts., Sacramento. J. W. Brown vs. A. V. Wilde.$1589.00

LUMBER FIRM FINED FOR WORKING MEN NINE HOURS

The Loyal Legion of Loggers and Lumbermen's Board of Trustees in session at Portland, Ore., May 17, imposed a fine of $250 upon the Wheeler Lumber Company, operating at Wheeler, Ore., on a conviction, according to the procedure of the Legion, of having worked its sawmill and logging employes on nine-hour shifts, in violation of the Legion's standard of an eight-hour day.

The Wheeler Company is directed from headquarters in Pennsylvania.

It is said that only one other member of the Legion remains to be disciplined for an offense similar to that alleged against the Wheeler Lumber Company, and out of about 200 lumber producing concerns in the Pacific Northwest only eleven are working their employes nine instead of eight hours. The other companies are members of the Legion.



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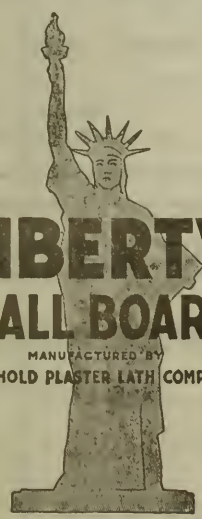

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Twenty-second Year No 23

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"EVERYTHING FOR THE CONTRACTOR"
HARRON RICKARD & McCONE
San Francisco Los Angeles

Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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11,017 MILES OF ROAD BUILT BY FEDERAL AID SINCE 1916

The Bureau of Public Roads of the United States Department of Agriculture reports that on March 31 there had been completed since 1916, 11,017 miles of Federal-aid road and gives the mileage of each type and the average cost per mile. The figures are based on a large volume of work and are the most recent and reliable figures giving average costs for the whole of the United States. The figures cover the entire cost of construction, excluding large bridges, and in a few cases the cost of engineering is not included:

Type—	Cost per Mile	Miles Const.
Graded and drained ...	$9,200	1,752
Sand-clay	6,850	1,338
Gravel	9,230	4,389
Waterbound macadam .	14,000	294
Bituminous macadam .	25,720	382
Bituminous concrete ..	43,500	511
Concrete	36,600	2,104
Brick	46,875	224

These figures are based on the entire period of operation of Federal aid, but the major portion of the work has been done since 1918.

ARCHITECTS SELECTED FOR STOCKTON CITY HALL

Architects J. Pearce of Davis-Heller-Pearce Company, Joseph Losekann of Losekann & Clowdsley and Pete Sala have been selected by the Stockton City Council to prepare plans for the new City Hall building. Bonds to the amount of $600,000 have been voted and the site selected, which is on Weber avenue and American street. The structure will be six or seven stories high of Class A construction.

HIGHWAYS DEVELOP RESOURCES OF COUNTY

(By Laurence Moye, County Surveyor, Visalia, Calif.)

Tulare county holds many records. It is the fourth county in the United States in the value of farm property, having a 1920 census rating of $198,984,821 for its 59,031 people. It is the third county in the number of farms and third in the number of improved acres within its borders. Besides these and other interesting records which support its claim as one of the foremost counties it also claims the greatest mileage of paved highways of any county in the United States.

It makes this assertion in spite of the fact that its highway accomplishments were not heretofore generally known. To date there have been constructed under county supervision, 237 miles of paved highway, of which 167 miles are plain concrete and 70 miles are concrete with asphaltic surfacing. Contract for 3.7 miles additional have already been awarded for 1922 construction, making the total mileage of the county highways system 240.7 miles. State highways constructed within the county add 63 miles of plain concrete highway and bring the total to 303.7 miles of durable, paved highway.

To build this highway system, Tulare county first voted bonds to the amount of $2,200,000. The balance necessary to expend and complete the original system was obtained by direct property tax over a period of two years, making a total expenditure of nearly $2,500,000, exclusive of funds used for the construction of the state highways.

The county highway system connects the six incorporated cities within the borders of the county and makes each of these cities a point from which paved highway radiate into the surrounding district. Particular attention was paid to subgrade conditions, and where adobe soil was encountered a special subgrade design was adopted. This consisted of rock, preferably lime stone, rolled into the adobe, filling the voids with fine rock and covering with a sand cushion. Twenty-four concrete bridges, ranging in length from 20 feet to 1100 feet, span the streams and rivers in the county and provide ornamental as well as durable links in the chain of hard surfaced roads.

Tulare county is justly proud of its paved highways and of the mileage record it has established. Over these highways the produce of this productive community moves to market, and through them the county's resources have been developed.

SAN JOSE LABOR UNIONS WIN COURT DECISION

Labor unions of San Jose and Santa Clara County were returned victors when Superior Judge P. F. Gosbey ordered dismissed the $25,000 suit brought against them by the Pacific Manufacturing Company of Santa Clara. The suit has been under way for several days, growing out of the strike conditions now existing at the P. M. company's plant as a result of the operation there of the American Plan.

Judge Gosbey ordered dismissal of the suit following a motion for nonsuit on the part of Attorneys Grant Bennett and A. L. O'Grady, representing the unions, on the ground that the prosecuting attorneys, H. Ray Fry and D. T. Jenkins, had not proved that acts complained of by them were committed by union men. He declared the plaintiffs had failed to prove that the union leaders had called either a strike or a walkout.

MORE THAN 300,000 NEW HORSEPOWER INSTALLED IN CANADA LAST YEAR

Hydro-electric development in Canada was very active during the past year, and as a result nearly 300,000 horsepower was installed, bringing the total in operation to 2,775,980 horsepower, acording to figures of the Canadian Pacific Railway. Of this amount, Ontario accounted for 174,000 horsepower, or a total installation of 1,121,650; Quebec 90,000, 1,015,385; Manitoba 14,000, 97,247; Nova Scotia 13,000, 46,948; New Brunswick 9000, 30,180. In British Columbia, Alberta, Prince Edward Island, Yukon and Northwest territories, while there was little power actually installed, several plants were in the course of construction or under consideration. The amount of turbine installation in horsepower in these provinces in 1921 was 305,315, 33,187, 1869 and 13,199, respectively. An idea of the amount of hydro-electric power installed in Canada may be gleaned from the fact that at the end of 1920, according to the Dominion Water Power branch, there was 194 per cent more developed water power per capita in Canada than in the United Staates.

SAN JOSE FACES BIGGEST BUILDING YEAR

San Jose is showing a steady and healthful growth rather than a building boom, according to M. C. Woodruff, City Building Inspector. During the month of May 78 permits were issued for new structures and alterations to standing buildings. Work carried on under these permits totaled $166,640. Of these 45 were for new structures and 33 for alterations. Home building is a feature of the San Jose activities.

"Construction undertaken during the five months of this year totals $813,105," says Woodruff in his report. "Of this $709,360 is for new work and $103,745 for repairs and alterations. The new work includes a hospital costing $172,280, business buildings, $137,485, living apartments $381,120, including 125 single family houses, and 7 for two or more families, totaling 33 apartments. The balance for private garages and miscellaneous construction. It will be seen by the above that provisions is made for 158 more families and while perhaps a score of these are for temporary buildings, the permanent homes will follow in the near future. These figures include work inside the city limits only and a conservative estimate of the work just outside, which is almost wholly residential, would undoubtedly equal that for the same class of work inside. It is quite generally conceded that only for the labor trouble, that the above amounts would be much larger. It is safe to predict this year to be the largest since records have been kept."

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

As compared with figures for April, the following Pacific Coast cities show an increase in building operations for the month of May: San Francisco, Sacramento, Fresno, Oakland, San Diego, Cal.; Portland, Ore.; Seattle, Tacoma and Spokane, Wash. Los Angeles shows a loss of $3,632,182, and Long Beach a loss of $973,046. Building operations in the leading Pacific Coast cities for the past three months follow:

	March	April	May
San Francisco	$3,289,251	$3,993,720	$4,377,066
Sacramento	813,737	532,303	560,695
Fresno	607,966	641,474	993,500
Oakland	1,925,577	1,850,160	2,243,745
Los Angeles	10,964,829	12,959,686	9,327,504
San Diego	1,068,700	821,446	1,028,883
Long Beach	1,154,083	2,475,597	1,502,551
Portland, Ore.	3,162,855	1,865,970	2,916,755
Seattle, Wash.	1,791,670	1,632,175	1,643,030
Tacoma, Wash.	309,431	291,715	777,933
Spokane, Wash.	302,418	359,190	395,817

Orders for fabricated structural steel placed during April were almost equal to the capacity of fabricating firms, according to reports made to the Department of Commerce by firms comprising two-thirds of the fabricating capacity of the United States. Sales reported during April amounted to 115,247 tons by 75 firms having a capacity of 146,918 tons, or at the rate of 99 per cent of capacity. At this rate, the total sales throughout the United States, based on a total capacity of 180,000 tons, were 177,600 tons in April. This compares with 139,300 tons reported for March by the Bridge Builders and Structural Society, based on reports of 64 firms showing sales at 77 per cent of capacity.

Officials of the Columbia Steel Co. after a series of conferences held in Pittsburg, Calif., and data developed at a series of meetings held in Salt Lake City, Utah, have decided to erect the giant manufacturing and steel storage plant of the company for the Pacific Coast territory at Pittsburg, Contra Costa County. The decision is the culmination of many months work in merging Pacific steel interests into a $25,000,000 steel corporation. Officials of the company pronounce the merger complete. W. E. Creed is president of the Columbia Steel Co. and J. W. Batchford, managing director.

"Harbors and Terminals: The Port Facilities of San Francisco Bay," will be the subject of an address by Frank G. White, chief engineer, State Board of Harbor Commissioners, before the members of the San Francisco Post, American Military Engineers, at the June meeting of the Post, Monday evening, June 12, at the Engineers' Club, 57 Post street, San Francisco. Major-General Lansing H. Beach, Chief of Engineers, United Staates Army, Washington, D. C., is expected to be present at the meeting.

The California Civil Service Commission announces an examination will be held in San Francisco and Los Angeles for the position of Architectural Designer, Grade V, a position paying from $285 to $350 a month. Time for filing applications at Sacramento closes June 17. Application blanks may be had at 771 Howard St., San Francisco; 401 Tenth St., Oakland; 176 So. Market St., San Jose, 916 H St., Fresno; 200 So. San Joaquin St., Stockton, and 206 Court St., Los Angeles.

Building permits issued in Alameda during the month of May are the largest since April 1920. Fifty-eight permits were issued for improvements, totaling $129,383.

Resolutions urging lower freight rates on road materials and equipment, open competition between all types of paving construction, increases in compensation for competent engineers so as to attract to highway work the best knowledge and ability and membership by the United States in the Permanent International Association of Road Congresses, were adopted by the Asphalt Association at its recent annual convention in New York.

A concrete brick which the inventor claims can be sold at about the same price as clay brick and which he claims will save 200 out of 2000 brick customarily required for a rowlock wall, is being made at Friant, Cal. The method of manufacture involves a vibrating process which eliminates all air and surplus water and produces a dense concrete which has been tested up to 30,000 lbs. per sq. inch. Bruce E. Dake of Fresno is the inventor.

Smith-Headley Company Inc., has opened offices at 308 Columbia St., Seattle. Officers of the concern are Lee A. Smith and James D. Headley, both formerly connected with the General Fireproofing Company of Youngstown, Ohio. The new company is to deal in steel office equipment and general office supplies and will be exclusive agents for the output of the General Fireproofing Company.

Increased membership and the active building program now under way has caused the Richmond Builders' Exchange to take over more floor space in the present quarters at 914 Macdonald avenue. In the enlarge quarters provision will be made for a display of building materials. The present quarters will be given over to consultation and estimating rooms.

A fifth election held in the Turlock High School District to authorize the issuance of $175,000 in bonds to complete the high school failed to carry. The declaration of the School Trustees to finance the work by direct tax should the election fail, depends upon a favorable decision of the Attorney General.

The city of Manteca lost a suit in the Superior Court to P. Montague of San Francisco for $1,235.15. Montague signed a contract with the city to construct 15,700 feet of sewer and after completing 606 feet of the project the city finished the work. Montague sued to collect for the work he had actually done.

The Pacific Malleable Iron Co. will erect a foundry at Gresham, Oregon.

ALONG THE LINE

W. C. Earle, formerly consulting engineer of San Diego, has been appointed chief of the consolidated departments of city engineer and superintendent of streets of Pasadena. The new joint office will be known as the city engineer and superintendent of streets department. The change is effective June 1. Former City Engineer Dewey will be retained as special engineer on sewage disposal works.

Architects Dean and Dean of Sacramento, to operate as the Architectural and Engineering Commission of the Board of Education, have been commissioned by that body to prepare plans for the completion of the Sacramento school building program under the recently authorized $400,000 bond issue.

The Fresno Traction Co. at Fresno, Calif., has definitely decided to construct extensions of its system into the residential sections of the city, according to F. W. Webster, general manager. More than $107,000 will be expended in the work, all of which will be done by company crews.

J. C. Meyer of Reno, Nevada, has been elected president of the Nevada State Master Plumbers Association. Chas. C. Smith was elected vice-president; Chas. Westover, treasurer and Leonard C. Savage, secretary.

Roy A. Murray of San Francisco on June 2 assumed the position of secretary of the State Highway Commission, succeeding John Galvin who resigned to become a member of the State Civil Service Commission.

After fourteen years of service, R. H. Macbeth, building inspector of Albany (Alameda County) has resigned to enter the contracting business. A. Anderson has been temporarily appointed to fill the vacancy.

V. G. Greene, for twelve years associated with the Johns-Manville Company, Seattle, has severed his connections with that concern and taken over the management of the Independent Sheet Metal Company in that city.

Arthur H. Kelly, manager for the Tulare County Lumber Company at Visalia, has resigned after fifteen years service and proposes to open up a yard July 1 in South Bridge street, Visalia.

C. J. Corcoran has been named superintendent of the St. Helena municipal water system, which the city recently purchased for $60,000. Improvements costing $10,000 are planned.

The Stockton Builders' Exchange has leased quarters at 110 North Hunter street, Stockton, formerly occupied by the "Fifty Club."

Henry Newmeyer, formerly of Marysville, Calif., has purchased the Learned Lumber Company at Pasadena.

Working Agreement for Fresno Building Interests Accepted

The Fresno Building Trades Council on June 6 ratified without change or modification the fourteen demands comprising the agreement formulated by a joint conference board of the Fresno Trades Council and the Fresno Builders' Exchange regarding working conditions in the building industry of Fresno. The agreement is effective immediately and means there will be no tieup in the city's building program this year. The present existing wage scale will remain unchanged.

The full text of the agreement is as follows:

Whereas, under date of May 17, 1922, a letter was addressed to the Fresno Building Trades Council by the Fresno Builders' Exchange, wherein it was set forth that public opinion demanded certain revisions in the relations which exist or are reputed to exist between employer and employe in the building industry in Fresno, and

Whereas, the Builders' Exchange further asked the Building Trades Council to name a committee of five to meet with the Industrial Relations Committee of the Builders' Exhange to negotiate and enter into an agreement setting forth revised working rules which shall in the future govern both employer and employe in the building industry, and

Whereas, said Building Trades Council has appointed a committee of five as requested by the Builders' Exchange and

Whereas, the two committees hereinbefore referred to have met and discussed the questions in hand,

Now therefore, the respective committees in consideration of the performance, by each of the contracting parties of the mutual promises contained hereinafter, do agree as follows:

(a) The two committees hereinbefore referred to shall continue as a permanent committee and shall be known as the Joint Conference Board, representing the Builders' Exchange of Fresno and the Fresno Building Trades Council. The committee shall hereafter be called the "Joint Conference Board."

(b) The working rules hereinafter enumerated shall become effective immediately upon the execution of this agreement and shall be enforced among their respective members by the Fresno Builders' Exchange and the Fresno Building Trades Council, and by all local unions affiliated with the Fresno Building Trades Council.

(c) The present existing wage scale now being paid in the building industry in Fresno shall be continued during the life of this agreement, with the understanding however, that if conditions arise during the life of this agreement which tend to jeopardize the building industry in this community, then the Joint Conference Board shall have the power to effect a readjustment consistent with conditions then prevailing.

(d) This agreement shall remain in fullforce and effect for a period of one year from date hereof.

(e) The working rules hereinbefore referred to are as follows:

"(1) Any employer using three journeymen or more shall be permitted to employ one apprentice for every three journeymen or major fraction thereof; however, no employer shall use more apprentices than journeymen on any one job at any one time.

"The maximum age limit for starting apprentices in any trade shall be twenty-five (25) years, with the understanding that should any special cases arise where anyone desires to become an apprentice who is older than twenty-five, the Joint Conference Board shall have the final power to dispose of the case.

"The wages of apprentices during the first year of apprenticeship shall be arranged between the employer and his apprentice, but the Joint Conference Board shall be informed of the wages being paid any apprentice should it desire the information.

"After the first year the apprentice's wages shall be subject to the approval of the Joint Conference Board.

"Any employer having less than three journeymen, desiring an apprentice, shall file application with the Joint Conference Board, and if the board after investigation determines that conditions in the case are such that an apprentice can properly learn his trade, the board shall have the power to grant the apprentice

"(2) It shall be optional with any contractor whether or not he carries a union card, and he may work on any job which he has under contract, whether or not he carries a card, providing he uses at least one journeyman.

"One member of any firm of contractors shall have the right and privilege of working on any job which the firm has under contract whether or not he carries a card, but should more than one member of such firm desire to wrk, all but one must carry a card, with the understanding however that at least one journeyman must be employed on the job at all times.

"(3) Employers shall be privileged to select their own men and the men shall be privileged to work for any employer. The men shall not be placed by a business agent unless an employer expressly requests a business agent to assist him in finding help.

"(4) There shall be no restriction whatever as to the amount of work a man may do in a day.

"(5) All manufactured articles which now require the union label, shall hereafter be installed by union mechanics, either with or without the label, providing that such articles are manufactured by factories working the same number of hours and paying a wage that is not less than One Dollar ($1.00) per day below the Fresno scale for the same work.

"(6) The employer shall have the full power to determine what size and what kind of tools shall be used in doing any piece of work. Any journeyman should be permitted to use in his work tools of any other trade. Tools used shall not be injurious to health in the judgment of the Joint Conference Board.

"(7) Employer shall have full power to determine how any piece of work shall be done, and there shall be no rules and regulations made or enforced by the locals specifying the method of doing work. This shall not be construed to prevent the locals from maintaining the standard or quality of their work.

"(8) If, in the opinion of the employer, it would be uneconomical to use a laborer or helper to assist a journeyman mechanic in executing a certain piece of work, then the mechanic shall work without the assistance of a helper

"(9) That small tasks of not more than two hours' duration in any one day belonging to any one trade may be performed by any other trade at the discretion of the employer, providing that such work is paid for at the rate of pay of the trade to which it rightfully belongs.

"(10) It is understood that in the event of any jurisdictional dispute arising, the particular craft which started any piece of wark, shall continue same until a decision from the National Board of Jurisdictional Awards is available.

"(11) Employes must not refuse to be employed on account of any employer's membership in any organization whatsoever.

"(12) In the event of the scarcity of union help, the Building Trades Council shall issue permits to other men until such time as union help can be obtained, providing however that forty-eight hours' notice is given to the business agents of the Building Trades Council that help is wanted.

"(13) Any employer shall have the full right and privilege to use any union mechanic he sees fit, regardless of the mechanic's place of residence, providing however, that if local men are available, there shall be at least one local man used for every out of town man, at all times.

"(14) The Joint Conference Board shall from time to time review, and if necessary, redraft any existing working rules, and the Board shall agree on any future rules and regulations of any kind before same are put into effect."

EAST BAY WATER COMPANY SEEKS TO IMPROVE HOLDINGS

An attempt to negotiate with the east bay cities for the purpose of making $2,245,793 additions to the plant has been made by the East Bay Water Company in a letter sent to the city councils of Oakland, Berkeley, Alameda, Richmond, Piedmont and San Leandro. The letter, signed by Edwin O. Edgerton, president of the company, sets forth that there is need for the improvements, but the failure of the State Railroad Commission to permit the expenditure to be included in the rate base prohibits the company from going ahead on the improvements. The letter follows:

Several months ago at the request of the official representatives of the several municipalities, East Bay Water Company prepared and presented to them plans for additions to its system, designed more adequately to produce water for fire protection and other purposes.

Thereafter, in a proceeding before the Railroad Commission, involving the rates of East Bay Water Company, these same plans and estimates of cost were presented to that body and the company announced its willingness to make these additions involving an expenditure of approximately $2,245,793, provided this sum would be added to the rate base and rates so fixed as to give the company a reasonable return upon this investment.

The commission in its Decision No. 10347, dated April 22, 1922, definitely excluded this proposed expenditure from the rate base and announced that it would not at this time fixe rates which would include any allowance for these additions The suggestion was made in the opinion preceding the order in that case that East Bay Water Company and the municipalities should endeavor to work out some mutually satisfactory solution of the problem.

While East Bay Water Company is under no legal obligations to furnish fire protection service, nevertheless there are places in your community where there is a real need for additional water supply for fire protection and other purposes, and we reiterate our statement heretofore made that we are willing to make these additions to plant and invest the necessary money therefor provided the company receives a reasonable return on this investment.

In view of the fact that the official representatives of your municipality have publicly announced that these additions are desired and as the commission has decided against fixing rates to include any provision for these additions and has suggested the cities and the company make some arrangement:

East Bay Water Company stands ready at any time to negotiate with you for the purpose of making it possible to install the contemplated addition to plant with the resulting increase of service.

WICKWIRE SPENCER CORP. TO TAKE OVER CLINTON WELDED FABRIC AGENCY

The L. A. Norris Company, 136 Townsend St., San Francisco, for many years exclusive selling agents on the Pacific Coast for Clinton Electrically Welded Fabric, retired as an active distributer on June 1st, and that part of its business taken over by the Wickwire Spencer Steel Corporation, manufacturer of Clinton Electrically Welded Fabric, Clinton Wire Lath, Clinton Welded Sheathing, Wire and wire products of all kinds.

The change is announced by Allan Fraser, general sales manager of the Wickwire Company and was mutually agreed upon after twenty years of the most intimate and harmonious relations possible, and is made for what is believed to be the best interests of both companies concerned.

Mr. Henry A. Larsen, who has been associated with the L. A. Norris Company for many years, will continue in the same capacity in charge of the structural products department of the Wickwire Spencer Steel Corporation for the Pacific Coast District.

In order to meet the growing demands of the business, the Wickwire Spencer Steel Corporation will shortly move into a large and modern warehouse building now being specially constructed for it at 140 Townsend St. by the L. A. Norris Company, where, with greatly increased facilities for warehousing and selling, the Wickwire Spencer Steel Corporation hopes to develop its service to its customers to an extent not heretofore possible.

The present yards of the Latourrette-Fical Company, at the foot of I street, will be maintained. The purchase of the Miller-Enright property was occasioned by the need for larger quarters because of the expanding business of the firm, which is at present engaged in completing contracts throughout Superior California and at several points in the San Joaquin Valley and in the Coast counties.

It is the endeavor of the officials of the firm to make Sacramento a headquarters for electrical and mechanical work.

The Miller-Enright Company has been one of the well-known wholesale hardware and plumbing supply firms of Sacramento for a number of years.

LATOURRETTE-FICAL COMPANY PURCHASES MILLER-ENRIGHT COMPANY OF SACRAMENTO

The Latourrette-Fical Company of Sacramento has purchased the entire stock, building and business of the Miller-Enright Company, 907-917 Front street, Sacramento. The purchasers will establish their place of business at the Miller-Enright quarters, moving their establishment from 2761 Sacramento Boulevard.

It is stated that approximately $200,000 is involved in the deal, which makes the Latourrette-Fical Company the sole owners of the property, consisting of a three-story brick building and a considerable stock of hardware and plumbing supplies.

The purchase of the property is made on the twenty-fifth anniversary of the establishment in Sacramento of the Latourrette-Fical Company. The firm is engaged in mechanical and electrical contracting, and in the sale of mechanical and electric supplies. The Miller-Enright Company was conducting a wholesale jobbing business in hardware and plumbing supplies.

The new owners announce they have no definite plans at present for the continuation of this phase of the business.

Continuation of Experimental Road Work at Arlington is Announced

A comprehensive program of road-building research and investigation during the coming season at Arlington Experimental Station near Washington, D. C., is announced by the Bureau of Public Roads of the United States Department of Agriculture. Impact tests on pavements, subgrade studies and other experiments, which last year aroused much interest among engineers, will be continued, as well as several other lines of work under way last year and new ones to be started.

Bituminous wearing surfaces are to be investigated to determine the reason for the formation of waves and irregularities and to settle mooted questions concerning the proper mixture and the proper mineral aggregates to be used in bituminous roads. More than thirty sections of different types of bituminous construction will be built. These will include mixture of different mechanical grading and with different percentages of bitumen of several degrees of hardness. Sections are being constructed on a circular track about 600 feet in circumference, the roadway being 13 feet wide. On this roadway will be operated a five-ton army truck equipped with solid tires. The truck will be operated in a varying path so as to cover practically the entire width of the roadway and will travel at a speed of from 12 to 15 miles an hour for five or six months, or until some results are obtained leading to the solution of the problems involved.

Resistance to Wear

There is considerable discussion as to what is the proper criterion to be used in selecting and judging concrete aggregates that will offer the greatest amount of resistance to wear. At the present time judgment is based on wear tests made in the laboratory and upon the compressive strength of concrete, also upon the structural strength of concrete beams constructed and broken in the laboratory. The comparison of wear of concrete in actual use on road surfaces with the indications obtained in laboratory experiments is not wholly satisfactory.

To throw more light on this subject, a wear test is to be made with the conditions approximating those actually found on the road. This test will include about sixty-five sections of concrete wearing surface, each section being of a different quality of concrete, the qualities being varied by virtue of the different aggregates used, different proportions in the mixture and amout of mixing water. These sections are to be constructed on a circular runway about 650 feet in circumference, the runway being 4 feet wide.

On this runway will be operated a specially constructed car with two truck wheels equipped with solid rubber tires and load to represent a truck. The car will be guided by small railroad rails to hold it in position, the power being applied by means of an electric motor to the rear wheel. This apparatus will be operated around the circular runway at a speed of probably twenty miles an hour. The test will involve the use of truck wheels equipped with different kinds of tires and will include the use of non-skid chains. A steel-tired wheel will probably also be used to get the effect of an accelerated wear test.

The object of this experiment is to determine the relative wear of the different concrete sections when subjected to traffic equipped with different types of wheel, also to furnish a comparison between actual service conditions and laboratory tests. This test will be in operation continuously beginning some time in June.

Impact on Roads Studied

In a rather elaborate series of experiments, the Bureau has studied impact of trucks on roads, and has determined approximately the magnitude of impact force under different truck and road conditions. The effect of such impact on concrete pavement and several types of road on concrete base was studied and reported on last year. This series of experiments is to be continued and enlarged. Over 120 road sections or slabs have been constructed in duplicate series. One series is on a carefully drained dry subgrade; the other series is on the same kind of subgrade except that it is kept wet and as nearly saturated as possible by means of an underlying drain tile and side ditches filled with water.

The testing of these slabs began some time in May, and will be by means of a new impact machine now being constructed which simulates the action of the rear wheel of a truck. On this machine may be mounted truck wheels of different sizes and weights carrying different kinds of truck tires. This apparatus may be so operated as to reproduce the different loading and equipment conditions of a large variety of trucks. The slabs will be hammered by means of this machine in the center, on the corners, and on the sides so as to obtain the relative strength under these different conditions.

Subsoil investigations are being continued for the purpose of studying and investigating relative stability, moisture condition and supporting value. Different methods of determining the bearing value of soils are also being studied, that is, as to whether small or large areas should be used in determining the relative bearing value.

The warping effect of temperature and moisture conditions on concrete pavements is also being investigated. Temperatures and movement are being recorded graphically on continuous charts. In addition to these temperature and movement measurements the pressures on the subgrade under the concrete slab are obtained by means of soil pressure cells. This investigation will give some definite information concerning the support offered by subgrades to rigid concrete roads. This investigation has been under way for some time and will continue probably for a year or more.

The transmission of loads through different types of pavements to the subgrade is being investigated by means of soil pressure cells placed on the subgrade under the pavements. This test will also serve to show the relative support offered to brick and other types of block pavement by concrete bases and broken stone bases. This investigation has been under way for about one year and will continue for some time to come.

A large number of prominent engineers and others interested in road work have visited the Arlington Experimental Station to witness the preparation and conduct of these experiments. It is intended to have all these projects in full operation by the middle of June. Visitors are always welcome, and those in charge of the work are always glad to give any information desired about the experiments.

WHO'S WHO AND WHY—THE PLASTERING CONTRACTOR

The plastering contractor is a man who makes a living by taking contracts to plaster other people's houses below cost. Some of them make an easier living than others, because they take more contracts. The plastering contractor believes that charity begins at home, but his usually begins at some other fellow's home. If he finds out that another plastering contractor has put in a certain figure on a job his charitable nature will not let him rest until he puts in a lower figure. Thus he makes sure the poor owner will receive a large donation. About all the plastering contractor makes on a job is a deficit.

One plastering contractor does not love another, and they scorn to get together to "get theirs," although they find the material men getting good prices for their goods and the mechanics organized to get high wages for their labor. There may be 500 lathers, plasterers and laborers in a town all belonging to their unions boosting there wages, but who ever heard of 25 plastering bosses forming an association and sticking together? Nothing doing — it would interfere with their charity.

The business of plastering is very simple. The plastering contractor seldom stops to inquire where his money is coming from before he takes a contract. He just steps in and cheerfully spreads several tons of nice sticky plaster over an acre or two of lath and trusts to luck for his pay. After he has done his work, all the other trades, such as electricians, steam fitters, plumbers and carpenters, immediately run a race to see who can make the most holes in it. Then the plastering contractor goes back and patches it all up again just as nice as it was before, of course, making no extra charge for this service.

The increasing cost of living does not seem to bother the plastering contractor. It may cost 50 per cent more for labor and materials now than it did five years ago, but he does not raise his prices accordingly. The lower he figures, the less he loses. The plastering contractor figures that if he lives at home, carries his office in his hat, and works ten hours a day on the scaffold, he has no overhead expense except his telephone. If some plastering contractors allowed themselves fair wages, when they get through with a job they would owe themselves money.

Thus we see why it is that for all the plastering contractor's charity, there are no public libraries with his name over the front door, nor memorial church windows dedicated to his memory. His money is all inside, covered up where no one can see it.

(**Note**—The above statement was received from a contracting plasterer in reply to the question "Why cannot the contracting plasters co-operate with the journeymen's unions in doing work to the highest possible standard?" The reply has a lot of truth in it, in addition to its sarcasm.—Editor.)

PETITION PRESENTED FOR IRRIGATION DISTRICT

The first active step in the formation of a water conservation district for the west side of the San Joaquin Valley was taken at Los Banos May 26 with the presentation and approval of a petition offered by Miller & Lux and other persons. State Engineer McClure found the petition sufficient in regard to signatures and assessed valuation of land in the proposed district. The Madera Irrigation District presented a protest to the State Engineer, claiming that the district had an interest in the water the proposed district intends to use.

Attorney E. F. Treadwell of San Francisco, representing Miller & Lux, insisted upon a determination on the petition, but Engineer McClure requested further time and more information on the new district before he would act.

Included in the proposed district is an area of 515,000 acres of land. It is likely the hearing will be continued for sixty or ninety days.

STOCKTON BUILDERS' EXCHANGE APPOINTS STANDING COMMITTEES

Following the first meeting of the Stockton Builders' Exchange in its new quarters at 110 North Hunter street, announcement was made that the next step toward completion of the organization will be the election of delegates to a central council by the various crafts represented in the membership. Craft meetings will be held immediately and council organized as soon as possible.

At the last meeting of the exchange the following committees were appointed: Finance, O. H. Chain, L. A. Danner, W. F. O'Keefe; Rooms, Edward Riley, Charles Rich, Owen Miller; Publicity, William Murphy, J. T. Lewis, George Willard; Entertainment, Frank Tucker, A. F. Flanagan, E. L. Morrison; Grievance, O. H. Chain, Edward Grogan, George Davis, John T. Grant, M. Meehan; Membership, Charles Rich, Owen Miller, William Murphy. J. H. Killian has been named secresatry of the Exchange.

INDUSTRIAL ASSOCIATION WELCOMES U. S. INVESTIGATION

The Industrial Association of San Francisco welcomes an investigation of its activities with respect to alleged complaints made to the Attorney General against San Francisco material dealers, according to Max Kuhl, general counsel of the Association, who issues the following statement:

"The Industrial Association of San Francisco courts the fullest investigation of all its activities. It believes today, as it has always believed, that the public interest is paramount. To protect that interest it is determined today, just as it has always been, to take such proper and lawful means as the exigencies of the situation may demand.

"The situation of which complaint is alleged to have been made is not of the Industrial Association's creation. It is wholly the result of voluntary action taken by certain San Francisco labor unions of those crafts in which the combined number of union and non-union men available was not sufficient to meet the demands of building construction.

"Those unions without any justification at all, without any demand, notice or communication of any kind whatsoever, and at a time when this city—freed from the incubus of class domination—was in the midst of the biggest building boom in its history, called off their members from every job in San Francisco on which a non-union man was employed.

"Such an unjustified and unprovoked assault upon the prosperity and orderly progress of the community could not be permitted to go unchallenged. It has been challenged by the sober, dominant sentiment of the community. And this sentiment, based upon a settled conviction of the success of the American Plan, no doubt, has induced building material dealers to refuse (as they had and have a perfectly legitimate business right to do) to deal with firms or individuals who, for their own selfish benefit, seek to procure a return to those conditions which for a quarter of a century kept San Francisco in industrial serfdom, and the return to which would unquestionably mean a cessation of building activity."

HOUSE COOLING SYSTEM PLANT IS SAN FRANCISCO PRODUCT

Consaruction will begin in San Francisco soon on a testing plant for an invention by which it is to be possible to convert heating pipes in homes and buildings into distributors for process-cooled air for hot summer months.

The invention, for which patents were recently granted, has attracted national attention. Once introduced on a large scale, it is said that by its use a temperature of 70 degrees can be maintained in buildings in the hottest tropical regions or the Orient.

The inventor is Willard Wilson Brown, manager of Feather River Inn Blairsden, who formerly managed numerous large hosteiries in the East The apparatus is the result of five years' experimenting and consulting with engineers.

Its possibilities won the approval of Dr. Alexander Bell, upon whose recommendation the United States Senate requested Brown's invention installed in the Senate chamber last spring. As patents had not been granted at the time, the request was held up.

The process is an improved system of cooling and ventilating that can be installed in buildings to provide a constant supply of cool air to individual rooms It is also applicable to refrigerating plants for cold storage purposes.

In Brown's invention small streams of air are sent through refrigerated fluid in the cooling tank, coming out of the fluid cooled and cleansed, to be distributed through the pipes of the heating system to the various rooms of a building or house. Moisture in the cooled air is removed by passing through a layer of oil on the fluid's surface.

The idea was conceived seven years ago, while Brown sat and broiled in a theatre in New York City on a stifling summer night. The thought occurred to him:

"We heat our houses in winter, why not cool them in summer?"

That night Brown had in consultation his two engineers, the Rogers Brothers of Weehawken, N. J.

Out of that conference has resulted the invention.

MILLION DOLLAR PROJECT HELD UP BY COURT ACTION

A temporary restraining order, issued by Judge H. D. Gregory at Oroville, held up an election scheduled for June 6 to decide upon a bond issue for $1,000,000 in Reclamation District 833.

A hearing to decide the issues involved in the action filed by John C. Richardson, Carl Haack and a long list of other landowners in the district, has been set by Judge Gregory for June 13th. Owing to the fact the principals in the action refused to so stipulate, Judge H. D. Gregory will not hear the suit, but will ask the Governor to send in an outside jurist.

The opponents of the bond issue, who obtained the order, claim certain of the acts of the directors of the district are illegal, and that the bonds are unnecessary, as the district's project is now completed. The opponents of the bonds also claimed in their petition for the restraining order that the voting of bonds to defray maintenance expenses of the project for a period of twenty years, as proposed in the issue, is illegal.

The Corning Chamber of Commerce, Tenama County, has appointed a committee to secure data for the formation of an irrigation district adjacent to Corning that water might be furnished the territory between the river and the foothills to the west.

Building News Section

APARTMENT HOUSES

Plans Being Prepared.
Owner will tak segregated figures within the next 30 days.
APARTMENTS Cost, $——
SACRAMENTO, Cal. North side of I St. bet. 16th and 17th Sts.
Two-story frame and stucco apartment building (12 apartments of 3 rooms each) and garage building for 7 machines.
Owner—Edith L. Grove, 820 P St., Sacramento.
Shingle roof. All modern built-in features. Wall beds. Tiled bath rooms. Gas heating plant. Excavated basement, cement floor throughout.

Contract Awarded
APARTMENTS Cost, $35,000
SAN FRANCISCO. NE Clement St. and 26th Ave.
Three-story and basement frame stores and 10 apartments.
Owner—Ray Carr, 334 22nd Ave., San Francisco.
Designer—Jos. F. Rogers, 4234 Montgomery St., Oakland.
Contractor—A. Cohn and S. Spearin, 105 55th St., Oakland.

Contract Awarded.
APARTMENTS Cost $150,000
SEATTLE, WASH. Fourth Avenue.
Three-story mill construction (62 2 and 3-room) apartments 108x120.
Owner—Charlisgate Apartment Co., % C. O. Radford, 18 W. Lee St., Seattle, Wash.
Architect—E. T. Osborne, 325 Leary Bldg., Seattle, Wash.
Contractor—J. B. Murphy, Arcade Bldg., Seattle Wash.

Work Started.
APARTMENTS Cost, $60,000
SANTA ROSA, Sonoma Co., Cal. B and Eighth Sts.
Two-story Class A apartment house (12 4-room flats & 4 3-room apts.)
Owner—C. A. Bertolani.
Architect—Chas. C. Casey, Santa Rosa.
Contractor—A. M. Hildebrandt, Santa Rosa.

Contract Awarded.
APARTMENTS Cost, $50,000
SAN FRANCISCO. W Hyde 87:6 S Geary.
Four-story and basement reinforced concrete apartment house, 25x100. (16 2 and 3-room apartments).
Owner—Adolph Stock.
Architect—Henry Shermund, Hearst Bldg., San Francisco.
Contractor—W. S. King, Hearst Bldg., San Francisco.

Contract Awarded.
APARTMENTS. Cost, $12,130
SACRAMENTO, Cal 2020 J St.
One-story frame apartments (5 3-room apartments).
Owner—Alex K. Ansen, 2020 J St., Sacramento.
Architect—Not given.
Contractor—A. W. Norris, Peoples Bank Bldg., Sacramento.

General Contract Awarded
APARTMENTS, ETC. Cost, $65,000
SAN FRANCISCO S Sutter St E Taylor.
Three-story and basement reinforced concrete studio apartment and store building (10 apartments)
Owner—Mortimer A. Samuel.
Supervising Architect — August G Headman, Call Bldg., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.

Plans Complete.
APARTMENTS. Cost, $20,000
SAN FRANCISCO. SE 12th Ave and Geary St.
Three-story and basement frame store and apartment building (7 apartments).
Owner—Walter G. Vodden, 760 Cole St., San Francisco.
Architect—E. E. Young, 251 Kearny St., San Francisco.

Contract Awarded.
Plans Complete.
APARTMENTS Cost, $25,000
SAN FRANCISCO. N Union 247:6 W Steiner.
Three-story and basement frome (6) apartments.
Owner—Jos. Arata, 3001 Buchanan St., San Francisco.
Architect—John J. Foley, 770 5th Ave., San Francisco.

APARTMENTS Cost, $600,000
LOS ANGELES, Cal. SE Wilshire Blvd. and Carondelet St.
Six-story and basement Class A apartment house, 135x155 (284 rooms, 130 apts.)
Owner—Julius Berman and D. Tratcner
Architects—Russell & Alpaugh, Story Bldg., Los Angeles.

BANKS

Figures to Be Taken Next Week.
BANK Cost, $30,000
OAKLAND, Fruitvale Ave. and Hopkins St.
One-story reinforced concrete bank structure.
Owner—American National Bank.
Architect—Edward I. Foulkes, Crocker Bldg., San Francisco.

Plans Being Figured.
BANK Cost, $250,000
LONG BEACH, Cal. SE Fourth and Pine Streets.
Three-story Class A bank building.
Owner—First National Bank of Long Beach.
Architects—John & Donald B. Parkinson, Title Ins. Bldg., Los Angeles.
Bids are being taken on granite and terra cotta. Bids on general and other contracts will be taken shortly.

Plans Being Prepared.
BANK Cost, $——
WHITTIER, Los Angeles Co., Cal.
Two-story steel frame and brick bank building (terra cotta and granite facing).
Owner—First National Bank.
Architects—John & Donald B. Parkinson, Title Ins. Bldg., Los Angeles.

BONDS

SAN LUIS OBISPO, Cal.—Following bond issues were authorized at a recent election: Septic tank, $15,000, sewer improvements, $20,000; culverts, $8,500; fire apparatus, $10,000, bridges, $15,000.

SANTA BARBARA, Santa Barbara Co., Cal.—City Council sets July 6 as date to vote bonds of $90,000 to finance repairs to Gibraltar Dam.

Experienced Ornamental Iron Draughtsman wanted for partner in long established business. Box 10, Building and Engineering News.

WATSONVILLE, Santa Cruz Co., Cal.—Trustees of Aromas School District will call election to vote bonds to finance construction of a 4-room school building.

EL CENTRO, Imperial Co., Cal.—Bonds of $7,500,000 voted in Imperial Irrigation District; $5,000,000 will be used to purchase and consolidate existing water companies and $2,500,000 for improvements and extensions.

LARKSPUR, Marin Co., Cal.—Election will be held June 24 in Larkspur School District to vote bonds of $25,000 to finance school improvements. Trustees of district are: Jas. A. Fay, Geo. L. Hauser and Laura D. Eckert.

MADERA, Madera Co., Cal.—Election will be held June 23 in Fairmead School District to vote bonds of $16,000 for school improvements. Trustees of district are: W. O. Martin, Harry Edwards and J. C. Arnott.

STOCKTON, San Joaquin Co., Cal.—Election will be held June 23 in Telegraph School District to vote bonds of $11,000 for school improvements. Trustees of district are: M. B. Smithson, A. W. Andrews and Jas. Pierce.

SANTA ROSA, Sonoma Co., Cal.—Until June 16 bids will be rec. by County Supervisors for purchase of $241,000 bond issue of City of Santa Rosa School District; proceeds of sale to finance school imprvements, plans for which are being prepared by Architect W. H. Weeks, 369 Pine St., San Francisco.

SACRAMENTO, Cal.—Byrne & Yost, 2512 N St., Sacramento, at $41,950 awarded contr. by Supervisors to const. conc. highway beg. 600 ft. east from Sacramento River at Vorden, running east to Von Loben Sels Ranch. Drury Butler, county surveyor.

TURLOCK, Stanislaus Co., Cal.—Fifth election held in Turlock High School District to authorize the issuance of $175,000 in bonds to finance completion of the high school failed to carry. Trustees of the district prior to the election declared if the issue failed to carry they would levy direct tax to finance the work. This action, however, depends upon a favorable decision of the attorney general.

SACRAMENTO, Cal.—The $200,000 bond issue for construction of municipal wharves have received the approval of bond experts and the City Commissioners plan to proceed with the work immediately. Albert Givan, City Engineer.

SELMA, Fresno Co., Cal.—Bonds of $850,000 have been voted in Consolidated Irrigation District for the purchase and repair of the Consolidated Canal Co.'s system. Of the total sum voted, $775,000 will be used to purchase the system and the remaining $75,000 will finance improvements.

MADERA, Madera Co., Cal.—Until July 3 bids will be rec. by Supervisors for purchase of $15,000 bond issue of Chowchilla School District and $2500 issue of Central School District and $30,000 issue of Madera City School District; proceeds of sales to finance school improvements.

SALINAS, Monterey Co., Cal.—Supervisors sell $40,000 bond issue of Pacific Grove High School District for premium of $1008, proceeds of sale to finance school improvements.

FERNDALE, Humboldt Co., Cal.—Election held to vote bonds to finance construction of new grammar school failed to carry.

FRESNO, Fresno Co., Cal.—Supervisors sell $15,000 bond issue of Bowles School District for premium of $1115; proceeds of sale to finance school improvements.

SAN JOSE, Santa Clara Co., Cal.—County Supervisors have sold following school district bond issues, proceeds of the sale in each instance to finance school improvements. Milpitas district, $3000; Saratoga district, $55,000; Campbell Union High district, $25,000; Morgan Hill district, $44,000; Los Altos district, $47,000.

SAN JOSE, Santa Clara Co., Cal.—Until July 3 bids will be rec. by County Supervisors for purchase of $35,000 bond issue of San Martin School District and $180,000 bond issue of Gilroy School District; proceeds of the sales to finance school improvements. W. H. Weeks, 369 Pine St., San Francisco, is the architect for the San Martin School and Wyckoff & White of San Jose on the Gilroy School.

MARYSVILLE, Yuba Co., Cal.—Election will be held June 29 in Feather River Union School District to vote bonds of $25,000 to purchase site and erect two-classroom and auditorium school. Trustees of the district are: Geo. Shaver, J. E. Strain, W. A. Beard, C. O. Mann and G. W. Parsons.

REDWOOD CITY, San Mateo Co., Cal.—Until June 19, bids will be received by the Supervisors for the purchase of $1500 bond issue of Ravenswood School District; proceeds of sale to finance school improvements.

WOODLAND, Yolo Co., Cal.—Supervisors sell $50,000 bond issue of Knights Landing School District for premium of $510; proceeds of sale to finance construction of new school building.

CHURCHES

Commissioned to Prepare Plans.
SYNAGOGUE Cost, $500,000
LOS ANGELES, Cal. NE Wilshire and Hobart Blvds.
Class C synagogue 150x210, auditorium to seat 2000 people.
Owner—Congregation B'nai B'rith.
Architect—A. M. Edelman, 726 H. W. Hellman Bldg., Los Angeles, and S. Tilden Norton, 325 Pacific Finance Bldg., Los Angeles.

EUREKA, Humboldt Co., Cal.—The Christian Church of this city will erect a $40,000 brick and stucco edifice on H street. The auditorium will seat 800. Preliminary plans have been prepared.

FACTORIES & WAREHOUSES

Contract Awarded.
WAREHOUSE Cost, $—
SAN FRANCISCO. N Fell Street W Gough Street.
Two-story Class C warehouse.
Owner—Louis R. Lurie, Flatiron Bldg., San Francisco.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—L. Vannucci, 16th and Mission Sts., San Francisco.

Segregated Figures to Be Taken in Two Weeks.
WAREHOUSE. Cost, $200,000
SAN FRANCISCO. SW Van Ness Ave and McAllister St.
Eight-story reinforced concrete warehouse.
Owner—Lyon Fireproof Warehouse, 3430 Broadway, Oakland.
Architect—W Knowles, Hearst Bldg., San Francisco.

Contract Awarded.
WAREHOUSE Cost, $10,000
SAN FRANCISCO. NW Fourth and Perry Sts.
One-story brick warehouse.
Owner—Wayne Oil Tank & Pump Co., premises.
Architect—Bliss & Faville, Balboa Bldg., San Francisco.
Contractor—Dinwiddie Constr. Co., 518 Crocker Bldg., San Francisco.

Contract Awarded.
WAREHOUSE Cost, $40,000
SAN FRANCISCO. N Townsend 80 W Stanford.
Three-story and basement Class B warehouse, 60x275.
Owner—L. A. Norris, 136 Townsend St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor — Clinton Constr. Co., 140 Townsend St., San Francisco.

Plans Being Figured.
FACTORY BLDG. Cost, $3500
VALLEJO, Solano Co., Cal. Porter St. near S. P. Tracks.
One-story factory building, 60x80.
Owner—Solano Mfg. Co., Vallejo.
Architect—None.

Plans Completed—Figures to be Taken in About Ten Days.
WAREHOUSE Cost, $125,000
SACRAMENTO, Cal. Front and M Sts.
Four-story reinforced concrete show room and warehouse building.
Owner—Crane Co.
Architect — Woollett & Lamb, Hagelstein Bldg., Sacramento.

Plans Being Prepared—Getting Ready to Purchase Materials.
RACE TRACKS BLDGS. Cost, $——
SAN BRUNO, San Mateo Co., Cal. Tanforan.
Race track, barns, grand stands, club houses, etc.
Owner—Pacific Coast Jockey Club, 913 1st National Bank Bldg., S. F.
Architect—G. A. Appiegarth, Claus Spreckels Bldg., San Francisco.
Superintendent of Construction—A. M. Allen, Monterey, Cal.

BAKERSFIELD, Kern Co., Cal.—Currie & Dulgar, Kern County Land Bldg., awarded contract by Standard Oil Co. to erect distributing plant at Johannesburg consisting of warehouse, garage and office and erecting several steel tanks, largest of which will have 20,000 gallon capacity.

FLATS

Contract Awarded.
FRAME FLATS Cost, $13,700
SAN FRANCISCO. Funston Avenue N Geary Street.
Two-story and basement frame and plaster flats (1 6-room and 1 7-room.)
Owner—Chas. Schmitz.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—J. E. Barker, 1219 Page St., San Francisco.

Plans Being Revised.
FLATS Cost, $10,000
SAN FRANCISCO. W Church St. near Twenty-eighth St.
Two-story frame flat building (3) flats.
Owner—Mr. Firenze.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Contract Awarded.
FLATS Cost, $11,100
SAN FRANCISCO. W 8th Ave 150 S Noreiga.
Two-story and basement frame (2) flats.
Owner—Maria Agerup, 71 Dehon St., San Francisco.
Architect—David G. Coleman, 110 Sutter St., San Francisco.
Contractor—S. R. Anderson, 4002 22nd St., San Francisco.

Contract Awarded.
FLATS Cost, $10,500
SAN FRANCISCO. W 12th Ave 100 S Geary.
Two-story frame flat building.
Owner—Aaron Lewis.
Architect and Contractor—Morrow & Garren, Chronicle Bldg., San Francisco.

Contract Awarded.
FLAT BLDG. Cost, $10,868
SACRAMENTO, Cal. No. 821 P St.
Two-story frame flat building (4 4-room flats).
Owner—Mary Duffy, 1419 F St., Sacramento.
Architect—None.
Contractor—M. F. McKenzie, 1126 T St., Sacramento.

Contract Awarded.
FLATS Cost, $14,000
SAN FRANCISCO. W. Webster St. 100 N Hayes.
Two-story and basement frame (4) flats.
Owner—E. Leopold and wife, 627 Webster St., San Francisco.
Architect—John J. Foley, 770 5th Ave., San Francisco.
Contractor—W. J. Smale, 15 Ford St., San Francisco.

Contract Awarded.
FRAME FLATS Cost, $11,500
SAN FRANCISCO N Francisco 100 W Franklin.
Two-story and basement frame flats.
Owner—Angelo Carretti & N Armanini
Architect—Chas. Fantoni, 550 Montgomery St., San Francisco.
Contractor—G. Chiappe and L. Coppelletti, 515 Broadway.

Contract Awarded.
FLATS Cost, $11,500
SACRAMENTO, Cal. 2200 H St.
Two-story frame (3) flats.
Owner—E. H. Sprague, 717 17th St., Sacramento.
Architect—Not given.
Contractor—G. E. Harvle, 2212 T St., Sacramento.

GARAGES

Contract Awarded.
GARAGE. Cost, $16,000
SAN FRANCISCO. N Union St. 149 E. Franklin.
Two-story concrete public garage.
Owner—J. Pasqualetti, 785 Market St. San Francisco.
Architect—None.
Contractor—American Concrete Co., 785 Market St., San Francisco.

Plans Being Prepared.
GARAGE Cost, $30,000
SAN FRANCISCO. SW Divisadero and Grove Streets.
One-story and mezzanine reinforced concrete garage, 100x100.
Owner—Frank Clark.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Contract Awarded.
GARAGE $16,800
FRESNO, Fresno Co., Cal. Cor. E and Merced Streets.
Garage.
Owner — Jersey Farm Dairy, 1920 Tuolumne St., Fresno.
Architect—None.
Contractor—Prichard Bros., Blackstone and McKinley Sts., Fresno.

EUREKA, Humboldt Co., Cal.—Until June 26, bids will be received by the County Supervisors for furnishing and installing equipment in the county garage building at Second and J Sts.

GOVERNMENT WORK AND SUPPLIES

Plans Being Figured.
Bids Close June 14, 1922, 11 a.m.
ADDITION. Cost,$——
MARE ISLAND, Cal.
One-story addition to present power house, 36:6x35:2x19, Spec. 4662.
Owner—U. S. Government.
Architect—Owner.
See call for bids under official proposals.

Plans Being Figured—Bids Close June 26, 1922, 12 Noon.
PUMP HOUSE, ETC. Cost, $——
SAN FRANCISCO Marine Hospital.
Pump house, pump equipment and fire protection system.
Owner—U. S. Government.
Architect—Owner.
Plans may be seen at the office of J. W. Roberts, Post Office Bldg., 7th and Mission Sts., San Francisco.

Plans Being Figured—Bids Close Aug. 2, 1922, 11 A. M.
ORDINANCE BLDGS. Cost, $——
KUAHUA, Pearl Harbor, T. H. Naval Operating Base.
Six ordinance buildings, railroad track and water main extensions.

Owner—U. S. Government, Bureau of Yards and Docks, Navy Dept.
Architect—Owner.
Plans may be obtained from Mare Island or Pearl Harbor on a deposit of $10.

FORT BAYARD, N. M.—R. F. McKee, El Paso, Texas, submitted low bid to supervising archt., Treasury Dept., Washington, D. C., at $37,400 for extension and remodeling of the sewage tank and filter beds at U. S. Veterans' Hospital No. 55, at Fort Bayard. The bid specified deduction of $450 if gravel is used for filter beds in place of crushed rock, and deduction of $950 if siphons for sand filters are omitted. Johnson & Marke, Silver City, N. M., bid $48,765. Bids are in the hands of the supervising archt., from whose office the award will be made.

WASHINGTON, D. C.—Bureau of Yards and Docks, Navy Department, preparing specification (No. 4666) for radio towers to be erected at Hilo, T. H. Bids will be opened at that point.

SAN FRANCISCO.—Until June 14, 11 a.m., bids will be rec. by U. S. Engineer Office, 240 Montgomery St., for fur. and del. Rio Vista, Solano County, lumber: 2000 pcs. 2x6-in. x 14-ft., O.P. No. 2, Common; 1500 pcs. 3x4-in. x 16-ft. redwood, construction grade; 1500 pcs. 3x4-in. x 18-ft. redwood, construction grade; 1500 pcs. 3x4-in. x 12-ft. redwood, construction grade; 1 pc. No. 2 clear O.P., 34-ft. long to be milled to 4½-in. thick, with one face 5⅞-in. wide and the other fact 7⅞-in. wide; 1 lignum vitae, not less than 6½-in. dia., by 4 ft. long, and 10 bundles of lathe.

WASHINGTON, D. C.—Bureau of Yards and Docks, Navy Department, preparing Specification No. 4665 for quarters, mess hall, etc., to be erected at San Diego.

SAN DIEGO, Cal.—W. E. Kier Construction Co., San Diego, at $43,458 awarded contract by Bureau of Yards and Docks, Navy Department, Washington, D. C., to construct American Red Cross dispensary.

WASHINGTON, D. C.—Bids are being rec. by Bureau of Supplies and Accounts, Navy Department, for fur. and del. materials to Navy Yards as follows: Date for opening bids as noted at end of each paragraph:
Schedule 9600, for eastern and western yards, redwood and Douglas fir, July 5.
Sched. 9601, for Mare Island and Puget Sound, cedar, pine and spruce, July 5.
Sched. 9603, for eastern and western yards, oak, July 5.
Sched. 9604, for eastern and western yards, white ash, July 5.
Sched. 9607, for Mare Island, 10,000 pounds lignum vitae, and for eastern and western yards, miscellaneous poplar, July 5.
Sched. 9683, for Atlantic South Atlantic, Gulf and Pacific Coasts, miscellaneous furniture, June 27.
Sched 9684, for San Diego, Cal., 5 milling machines, June 20.
Sched 9685, for San Diego, Cal., 1 buffing and polishing machine, 2 upright sliding head drills, 1 plain radio drill, 2 emery grinders, 2 wet tool grinders, 1 universal cutter and reamer machine and 2 power hack saws, June 20.
Sched. 9687, for eastern and western yards, 392,010 cu. ft. acetylene gas, June 27.
Sched. 9688, for eastern and western yards, compressed oxygen gas, June 27.
Sched 9689, for eastern and western yards, miscellaneous mineral oil, June 27.
Sched. 9691, for San Diego, Cal., 3 motor-driven crank shapers, 1 motor-driven centering machine, 1 planer and 1 drilling machine, June 20.
Sched. 9692, for San Diego, Cal., 12 motor-driven lathes, June 20.
Sched. 9693, for Mare Island, 4250 ft. linen fire hose, unlined, June 27.

SAN FRANCISCO.—Until June 15, 11 A. M., bids will be received by U. S. Engineer Office, 240 Montgomery St., under Order 3771/8 P. 7, for furnishing and delivering Rio Vista, Solano County miscellaneous hardware and supplies.

DENVER, Colo.—Until June 15, 2 p. m., bids will be rec. by U. S. Reclamation Service for fur. corru. metal culverts, under Spec. 276-D, for the Sun River Project, Montana, and the Klamath Project, Oregon-California. About 127,000 lbs. of metal work is required. Spec. will be fur. on request.

SAN FRANCISCO.—Until June 16, 11 a.m., under Order No. 3772/SP7, bids will be rec. by U. S. Engineer Office, 240 Montgomery St., for fur. and del. Rio Vista, Solano County: 10,000 ft. Duplex telephone wire, No. 14 gauge, twisted weatherproof braid; 50 ft. electric portable cord, No. 14 gauge; 24 rolls friction tape, ½-lb. rolls; for furnishing and delivering to U. S. Snagboat "Bear" via river steamers, Colusa, Calif., 2 S. P. pendent cap, vert. buttons, 6A-125V; 20 ft. flexible elec. light cord, silk covered; 3 carbons, positive ⅝-in. x 7½-in. cored, for searchlight; 3 carbons, negative, ⅝-in. x 5-in., solid, for searchlight; 10 fuses, 30 amp. 250 volt. Type D, No. 3020.

SAN FRANCISCO.—Until June 17, 11 a.m., bids will be rec. by U. S. Engineer Office, 240 Montgomery St., under Order No. 3779/SP7, for fur. and del. Rio Vista, Solano County: 12 grease extractor frames, size 12x14-in., with centre hole 3-in. dia., made of mining wire cloth, 6x6 mesh, No. 14 wire, ends and sides bound with No. 20 gauge galv. iron, 1-in. wire, around edge; center hole to be reinforced with 2 iron rings, 3/16-in. thick and 1¼-in. wide, riveted through wire cloth.

SAN FRANCISCO.—Until June 19, 11 a.m., bids will be rec. by U. S. Engineer Office, 240 Montgomery St., under Oorder No. 3778/SP7, for fur. and del. Rio Vista, Solano County, misc. steam packing, etc. Spec. will be furnished on request.

PEARL HARBOR, T. H.—Louis R. Smith, 1576 Pensacola St., Honolulu, T. H., at $58,278 awarded contract by Bureau of Yards and Docks, Navy Dept., Washington, D. C., to construct roads at Pearl Harbor under Spec. 4575; time for completion, 125 days.

WASHINGTON, D. C.—The following is the lowest bid received by the Bureau of Yards and Docks, Navy Department, on June 7, for completing the machine shop at Naval Operating Base (Naval Station), Pearl Harbor, Hawaii, under Specification No. 4518.
W. F. Martens, Rochester, Item 1, $194,677; (2) $185,366.

WASHINGTON, D. C.—Bids were received by the Bureau of Yards and Docks, Navy Department, for construction of several frame buildings, 29x41 ft., to be erected at Mare Island under Specification No. 4632:
Union Construction Co., Balfour Bldg., San Francisco: Item (1) $4950; (2) (2) $9850; (3) $14,800; (4) $18,900.
S. H. Averill, Vallejo, $5167 each.
John Pringle, Vallejo: (1) $7000; (2) $13,000; (3) $19,000; (4) $25,000.
W. F. Martens, Rochester: (1) $9000; (2) $16,000; (3) $21,600; (4) $24,400.

HALLS AND SOCIETY BUILDINGS

Plans Being Prepared.
TEMPLE BLDG. Cost, $——
HUNTINGTON BEACH, Orange Co., Cal. 5th St. and Walnut Ave.
Three-story brick temple building.
Owner—Masonic Lodge No. 380, F. & A. M.
Architects—Train & Williams, Western Mutual Life Bldg., Los Angeles.

Site Selected—Plans to Be Prepared.
LODGE BLDG. Cost, $1,000,000
SAN FRANCISCO, Page, Fell and Baker Sts. (Coliseum site).
Class A Scottish Rite Cathedral
Owner—California bodies Scottish Rite.
Architect—Weeks & Day, Phelan Bldg., San Francisco.

Commissioned to Prepare Plans.
CLUBHOUSE Cost, $250,000
LOS ANGELES, Cal. NW Orange St. and Westlake Ave.
Three-story and basement Class A clubhouse 90x120.
Owner—Los Angeles County Medical Association.
Architect—Harry L. Pierce, 301 Wright & Callender Bldg., Los Angeles.

Plans Being Prepared.
LODGE BLDG. Cost, $65,000
WOODLAND, Yolo Co., Cal. Corner College and Bush Sts.
Lodge building.
Owner—Woodland Elks Lodge No. 1299
Architect—W. H. Weeks, 369 Pine St., San Francisco.

Preliminary Sketches and Estimates Prepared.
CLUB BLDG. Cost, $75,000
ALAMEDA, Alameda Co., Cal. Bay Farm School.
Two-story frame country club building.
Owner—Encinal Golf and Country Club.
Architects—Ashley & Evers, 58 Sutter St., San Francisco.
Construction will not be started until Fall.

HOSPITALS

Contractor Selected—Contract to Be Awarded Shortly.
HOSPITAL. Cocst, $400,000
SACRAMENTO, Cal. L St. bet. 28th and 29th Sts.
Owner—Sutter Hospital Corporation.
Engineer—C. H. Snyder.
Architect—Meyer & Johnson, Bankers' Inv. Bldg., San Francisco.
Contractor—George Wagner, 251 Kearny St., San Francisco.

HOTELS

Plans Being Prepared.
HOTEL Cost, $125,000
LOS ANGELES, SE Second & Figueroa Streets.
Three-story Class C hotel, 100x125 (68 rooms, 40 bathrooms and 9 stores)
Owner—Kass & Ruben.
Architect—E. B. Rust, 527 Black Bldg., Los Angeles.

PUBLIC BUILDINGS

Preliminary Plans Completed.
MUSEUM BLDG. Cost, $——
OAKLAND, Cal. Lakeshore Blvd. on Lake Merritt Shore.
Concrete museum building, 240x250.
Owner—City of Oakland.
Architect—Howard Gilkey (City Landscape Engineer), City Hall, Okd.
After making a survey of museums throughout the United States and Europe it is proposed that the Oakland structure be entirely without natural lighting and that the entire lighting of the building be by electricity.

STOCKTON, San Joaquin Co., Cal.—Ubels & Van Tils, Ripon, at $10,500 awarded (additional) contract by supervisors to const. poultry barn at county fair grounds.

SAN BERNARDINO, Cal.—Until 12 noon, June 30, bids will be rec. by City Council for municipal auditorium in Pioneer Park, to cost approx. $200,000. Archt. H. E. Jones, Katz Bldg., San Bernardino, prepared the plans. Main auditorium will be 100x126 ft., with facade 75 ft. wide, with cols. 30 ft. high, portico 40x20 ft., with 80 ft. cem. terraces on each side; stage 26x101 ft., with gridiron 62 ft. above; committee rooms, men's and women's rooms, toilets, etc.; rein. conc. and steel const. Caen stone cols.; acoustic tile inter. walls, fireproof stairways; $35,000 organ and $10,000 stage equipment.

BURLINGAME, San Mateo Co., Cal.—The Burlingame Board of Trustees have rejected the bids received for constructing a grandstand and bleachers on the Public Park and will do the work by days labor. Estimated cost, $5000.

RESIDENCES

Contracts Awarded.
RESIDENCE. Cost, $13,000
SAN FRANCISCO. St. Francis Wood on Santa Clara Ave. near St. Francis Blvd.
Two-story frame residence.
Owner—W. A. Garlick.
Architect—Smith O'Brien, 742 Market St., San Francisco.
General contract to Mattock & Feasey, 251 Kearny St., $10,990.
Heating to Ace Sheet Metal Works, 1500 Guerrero St.
Plumbing to Albach & Mayer, 85 Dorland.
Painting to Neal Co., 538 Hayes St.
Electric work to H. S. Tittle, 766 Folsom St.

Owner Taking Figures. To Be Done by Day's Work.
RESIDENCES Cost, $5000 each
SAN FRANCISCO. E 48th Ave. bet. Cabrillo and Fulton Sts.
Seven 1-story and basement frame residences.
Owner—Thos. Barry.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Segregated Figures Being Taken.
ADDITIONS Cost, $——
HILLSBOROUGH, San Mateo Co., Cal Edgehill.
Extensive alterations and additions to 2-story, basement and attic frame residence.
Owner—W. H. Talbot.
Architect—J. E. Krafft & Sons, Phelan Bldg, San Francisco.

Figures to be Taken Shortly.
RESIDENCE Cost, $30,000
SAN FRANCISCO. West Clay Park.
Two-story frame and plaster residence (about 10 rooms).
Owner—Withheld.
Architect—Louis M. Upton, 452 Montgomery St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $15,000
BERKELEY, Cal. Claremont District.
Two-story and basement frame residence.
Owner—Sumner Clement.
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.

Figures to be Taken Shortly.
RESIDENCE Cost, $35,000 to $40,000
SAN FRANCISCO. West Clay Park.
Two-story, basement and attic concrete and frame residence (about 12 rooms and basement garage for 3 cars).
Owner—Withheld.
Architect—Louis M. Upton, 452 Montgomery St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $24,367
PALO ALTO, Santa Clara Co., Cal.
Two-story brick and frame nine-room residence and separate garage.
Owner—C. W. Marwedel, 76 First St., San Francisco.
Architects — Edgar A. Mathews and Horace G. Simpson, Call Bldg., San Francisco.
Contractor—E. T. Leiter & Sons, Call Bldg., San Francisco.

Contract Awarded.
BUNGALOWS Cost, $11,348
SAN JOSE, Santa Clara Co., Cal.
Two one-story frame and plaster bungalows.
Owner—E. Mailand.
Architects—J. G. Luebben and E. Mailand, 843 Delmas St., San Jose.
Contractor—T. H. Herschbach, Bank of San Jose Bldg., San Jose.

Contract Awarded.
RESIDENCE Cost, $10,725
SAN FRANCISCO. E. Santa Ana 130 S. St. Francis Blvd.
Two-story and basement frame residence, except plumbing, heating and mantel.
Owner—R. J Cooper, 750 Monadnock Bldg., San Francisco.
Architect—Macdonald & Couchet, 354 Pine St., San Francisco.
Contractor—Taylor & Jackson, 290 Tehama St., San Francisco.

Contract Awarded.
RESIDENCE. Cost, $15,000
SAN FRANCISCO. E 11th Ave 125 S Lake.
Two-story, basement and attic frame residence.
Owner—Geo. E. Mitchell, 216 4th St., San Francisco.
Architect—None.
Contractor—Sandberg & Essmann, 501 4th St., San Francisco.

Plans Being Prepared.
ALTERATIONS $7500
SAN FRANCISCO. Commonwealth Ave.
Alter two-story frame residence.
Owner—A. Samuel.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.

To Be Done by Day's Work.
6 DWELLINGS Cost, $4000 ea.
SAN FRANCISCO. SE Pt. Lobos and 46th Ave, and NE 46th Ave. and Geary, E 46th Ave, 35, 67, 100 and 132 N Geary.
Six one-story and basement frame dwellings.
Owner—J. V. Campbell, 1040 Bryant St., San Francisco.
Architect—None.

Plans Being Figured.
RESIDENCE Cost, $11,000
BERKELEY, Alameda Co., Cal. Claremont District.
Two-story and basement frame and plaster residence (8 rooms).
Owner—Wm. A. Powell.
Architect—Morrow & Garren, Chronicle Bldg., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $12,000
WALNUT CREEK, Contra Costa Co.
Two-story frame and store residence.
Owner—C. P. Howard.
Architect—Albert Farr, 68 Post St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $——
MT. DIABLO, Contra Costa Co., Cal.
One-story frame country residence.
Owner—R. M. Sims.
Architect—Albert Farr, 68 Post St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $10,000
REDWOOD CITY, San Mateo Co., Cal.
Two-story frame and plaster residence and garage with tile roof (9 rooms).
Owner—L. Otzen.
Architect — N. W. Sexton, Chronicle Bldg., San Francisco.
Contractor—Gus Waller, Redwood City.

Plans Being Figured.
RESIDENCE Cost, $10,000
PALO ALTO, Santa Clara Co., Cal.
One-story frame Spanish style residence with tile roof, separate garage.
Owner—R. E. York.
Architect—Chas. E. Rogers, Phelan Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, $11,470
SAN JOSE, Santa Clara Co., Cal. 14th and Clayton Ave.
Two-story frame residence (8 rooms).
Owner—F. Lyne, 452 E. Santa Clara, San Jose.

A. E. Leitch Fred Clark
CLARK & LEITCH ROOFING CO.
Successors to E. S. Warner
Office and Warehouse:
1116 SECOND ST., SACRAMENTO
Phone Main 726

Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractors—Petrie & Furtwangler, San Jose.
This contract includes all work except the roof tile.

Contract Awarded.
RESIDENCE Cost, $100,000
SAN DIEGO, Cal.
Two-story and basement brick residence (17 rooms, 7 bathrooms).
Owner—Mrs. A. W. Mitchell.
Architect—John & Donald B. Parkinson, 420 Title Ins. Bldg., Los Angeles.
Contractor—Brawner & Hunter, San Diego, Cal.

PACIFIC GROVE, Monterey Co., Cal. —Until June 21, 8 P. M., bids will be received by E. S. Johnston, City Clerk, to construct cottage in Municipal Park. Plans may be obtained from the clerk.

SCHOOLS

Plans Being Figured.
Bids Close June 21, 1922, 9 a.m.
SCHOOL BLDGS. Cost, $115,000
SAN PEDRO, Los Angeles Co., Cal. San Pedro High School site.
Two 2-story and basement brick high school buildings.
Owner—Los Angeles Board of Education.
Architect—Frank G. Krucker, Ferguson Bldg., Los Angeles.
Separate bids are being taken for the general contract, paiting and electric wiring.

Date of Opening Bids Postponed.
MANUAL ARTS BLDG. Cost, $20,000
WILLOWS, Glenn Co., Cal.
One-story reinforced concrete manual arts building.
Owner—Glenn County High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
The new date for opening the bids will be announced later.
Figures are being taken for a general contract. Plans may be obtained from the architect's office.

Plans Being Figured—Bids Close June 30, 1922, 8 P. M.
SCHOOL BLDGS. Cost, $450,000
REEDLEY, Fresno Co., Cal.
Six school buildings (4 brick and 2 frame and plaster structures).
Owner—Reedley Joint Union High School District.
Architect—Norman F. Marsh, 211 Broadway, Los Angeles.
Mgrs of Constr.—Trewhitt & Shields, Rowell Bldg., Fresno.
Plans may be obtained from the Architect of Managers of Construction on a deposit of $50 for general contract plans and $25 for segregated contracts.

Contracts Awerded.
SCHOOLS Cost, $——
SAN MATEO, San Mateo Co., Cal. Central School Site and Poplar Ave. between C and D Sts.
Two frame grammar school buildings.
Owner — San Mateo Grammar School District.
Architect—J. J. Donovan, Perry Bldg., Oakland, and S. Schnaittacher, 233 Post St., San Francisco.
General contract to Chas. Pedersen, 118 10th Ave., San Mateo, $145,465.
Heating and plumbing to E. C. Cottier, San Mateo, $23,325.
Electrical work to Watts Elec. Co., $6170.

All Bids Rejected. Plans to Be Revised
SCHOOL Cost, $300,000
REDWOOD CITY, San Mateo Co., Cal. State Highway and Broadway.
Three one-story reinforced concrete and frame school buildings (main building, auditorium and gymnasium).
Owner—Sequoia Union High School District.
Architects—Carl Werner & A. I. Coffey, Humboldt Bank Bldg., San Francisco.
Bids opened on June 3 ran to approximately $100,000. Plans will be revised and new bids called for shortly.

Contract Awarded.
SCHOOL Cost, $5835
SANTA ROSA, Sonoma Co., Cal.
Two-room frame school.
Owner—Canfield School District.
Architect—W. Herbert, City Hall, Santa Rosa, Cal.
Contractor—Ole Kolen, Sebastopol, Cal.

Plans Being Prepared.
ADDITION Cost, $45,000
ISLETON, Sacramento Co., Cal.
Frame and plaster addition to school.
Owner—Isleton Union School District.
Architect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
Two bids were rec. by County Supervisors for purchase of $45,000 bond issue of Isleton Union School District, offering premiums of $5910 and $3750. Taken under advisement. Proceeds of the sale are to finance school improvements

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Working Drawings Being Prepared.
SCHOOL Cost, $600,000
GLENDALE, Los Angeles Co., Cal.
Four reinforced concrete and brick high school buildings.
Owner—Glendale Union High School District.
Architects—John C. Austin, Baker-Detwiler Bldg., Los Angeles, and Geo. M. Lindsey, Glendale.

Plans Complete.
SCHOOL Cost, $15,000
PITTSBURG, Contra Costa Co., Cal.
Complete interior of two-story reinforced concrete school. (The walls are up).
Owner—Pittsburg School District.
Architect—Wm. C. Hays, First National Bank Bldg., San Francisco.

Bids to Be Asked Within Next Few Days.
AUDITORIUM Cost, $40,000
BIOLA, Fresno Co., Cal.
One-story frame and plaster, brick base, clay tile roof, school auditorium, seating 350.
Owner—Biola School District.
Architect—Swartz & Ryland, Rowell Bldg., Fresno, Cal.
Bonds have been voted.

Plans Being Figured.
Bids Close June 27, 1922, 8:30 a.m.
SCHOOLS Cost, $175,000
PASADENA, Cal. Washington School site on Monk Hill.
Two brick schools, 8 rooms each.
Owner—Pasadena Board of Education, 525 Chamber of Commerce Bldg., Los Angeles.
Architect—Allison & Allison, 1405 Hibernian Bldg., L. A.

Contracts Awarded.
SCHOOL Cost, $109,000
OAKLAND, Alameda Co., Cal. Ninety-eighth Ave. (Elmhurst School).
Two-story brick school.
Owner—Oakland Board of Education.
Supervising Architect—C. W. Dickey, 357 12th St., Oakland.
Contracts were awarded on June 6 for all work except the heating and ventilating, which were rejected and new bids will be advertised for immediately.
General Contract—M. E. Hopper & Son, 1117 Webster St., Oakland, $54,980.
Plumbing—J. B. Cruz, 689 20th St., Oakland, $5246.
Electrical Work—Standard Elec. Const. Co., 80 Natoma St., San Francisco, $8786.
Lathing and Plastering—A. Knowles, Call Bldg., San Francisco, $6900.
Brick Work—White & Gloor, Monadnock Bldg., San Francisco, $8445.

Figures to Be Taken Immediately
SCHOOL Cost, $10,000
FRANKLIN, Sacramento, Co., Cal.
One-story frame and plaster school.
Owner—Franklin School District
Architect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento

Contracts Awarded.
SCHOOL Cost, $—
SUSANVILLE, Lassen Co., Cal.
One-story reinforced concrete 5-room school building
Owner—Susanville Elementary School District
Architect—Woollett & Lamb and Ralph D. Taylor Associated, 211 Hagelstein Bldg., Sacramento and Susanville.
General Contract awarded to J. J. Woodward and W. Grebe of Susanville, $45,440.
Electric Work to Wm. C. Gill Electrical Co. of Reno, Nevada, $1353.
Plumbing to Jacob Meyer of Reno, $2966
Heating and ventilating not yet awarded as F. L. Warner of Oakland, the low bidder, claimed an error. His bid was $5892, the next lowest bid was submitted by Lupin, Hawley & Thing, of Sacramento, at $7070.

Completing Plans—Figures to be Taken Shortly.
SCHOOL Cost, $140,000
STOCKTON, San Joaquin Co., Cal. Burkett Acres.
Class C 13-room and assembly hall school (corridors to be of Class A construction).
Owner—City of Stockton.
Architect—Franklyn E. Warner, Belding Bldg., Stockton

Completing Plans— Figures to be Taken Shortly.
SHOP BLDG. Cost, $25,000
STOCKTON, San Joaquin Co., Cal. High School Grounds.
Brick, frame and concrete shop building and alter old shop building into girls' gymnasium.
Owner—City of Stockton.
Architect—Louis Stone, Belding Bldg., Stockton.

SAN FRANCISCO.—Following bids rec. by Board of Public Works, June 7:

YERBA BUENA SCHOOL

General Construction

Anderson & Ringrose, 320 Market St. $73,291
John Morton 75,460
G. K. Jensen 78,140

Electric Work

The Turner Co., 218 Natoma St. .$1972
Butte Elec. Equip. Co. 2165
Standard Elec. Const. Co. 2350
M. E. Ryan 2400

Heating and Ventilating

P. J. Enright, 2720 McAllister St. .$4900
Scott Co. 5070
A. Lettich 6474

Plumbing

A. Lettich, 365 Fell St. $7752
J. E. O'Mara 9677

MISSION HIGH SCHOOL ADDITION

Electric Work

L. M. Radcliffinger, 142 4th St. ...$1345
F. E. Newbery 1485
Watts Elec. Co. 1750
M. E. Ryan 2110
Standard Elec Const. Co. 2247

IMPROVE JAMES LICK SCHOOL PLAYGROUND

Anderson & Ringrose, 320 Market. $5657
Chas. Haggans 5787
John Spargo 7000
Louis J. Cohn 8712

AUDITORIUM TOILET ROOMS

A. Lettich, 365 Fell St. $3074
J. E. O'Mara 3927

ORANGE COVE, Fresno Co., Cal.—Until June 14, 7:30 p.m., bids will be rec. by J. H. Wraith, clerk Orange Cove Union Grammar School District, for alterations and additions to school building. Coates & Traver, 626 Rowell Bldg., Fresno, architects. **See call for bids under official proposal section in this issue.**

VISALIA, Tulare Co., Cal.—Until June 13, 10 a.m., bids will be rec. by J. G. Hicks, clerk Taurusa School District, to erect 2-room frame school. Chas. Muhs, architect. **See call for bids under official proposal section in this issue.**

LOS ANGELES, Cal.—Walsh & Simpson, 416 Pioneer Drive, Glendale, were low bidders at $22,000 for constructing an addition and remodeling the Terminal School building at Terminal Island. Pacific Gas Radiator Co. was low on heating at $1109 and A. Quandt & Son low on painting at $2060.

HILLSIDE SCHOOL ADDITION—Willard-Brent Co., 254 E. 27th St., Los Angeles, was low bidder at $30,300 for reconstructing an addition and remodeling Hillside school building, 130 E. Ave. 35. Low bidders on other contracts were D. Zelinsky & Sons on painting at $2985 and F. J. Donnelly on steam heating at $2890.

BERKELEY, Cal.—Bids were received on June 6th by the Berkeley Board of Education for the construction of a two-story 17-room brick school building to be erected at the Longfellow School site. Plans were prepared by Architect W. C. Hays, First National Bank Bldg., San Francisco. All bids were taken under advisement.

Excavating, Grading & Concrete Work

Schuler & McDonald, Oakland. .$13,567
Barrett & Hilp, S. F. 17,348

Carpenter and Millwork

Walter Sorensen, 3221 Ellis St., Berkeley (a) $26,574; (b) add $2863; (c) add $1559.
Conner & Conner, Berkeley. ...$26,825 (b) $2840; (c) $1425.
John Morton, San Francisco. ...$28,290 (a) $2609; (b) $1533.
Schuler & McDonald. ..... $28,480 (a) $2997; (b) $1807.
Mathew Morton, Berkeley. .....$28,897 (a) $3349; (b) $1807.
West Coast Constr. Co., S. F. ...$29,676 (a) $2996; (b) $1836.
Barrett & Hilp, San Francisco. .$29,705 (a) $3800; (b) $2400.
E. T. Leiter & Son, Oakland. ...$30,315 (a) $4337; (c) $3067.
Collman & Speidel, S. F. .....$31,940 (a) $3144; (c) $1567.

Roofing and Sheet Metal Work

Heidt Cornice Wks., 152 1st St., San Francisco $1576
Brown Roofing Co., Oakland. 1650
Gullfoy Cornice Wks., S. F. 1679
Walter Mork, Oakland 1761
Darling Sheet Metal Wks. 2484

Structural Steel

F. S. Herrick, foot of Adeline St., Oakland $2859
Golden Gate Iron Wks., S. F. 3000
Pacific Rolling Mill, S. F. 3119
Judson Mfg. Co. 3630
Minneapolis Steel Co. 4691

Electrical Work

Spencer Electric Co., 351 12th St., Oakland ..... $2833 (b) $117; (c) $100.
Capitol Elec. Co. ..... 2850 (b) $147; (c) $97.
Berkeley Elec. Co. ..... 2929 (a) $180; (c) $79.
Newbery Elec. Co. ..... 2996 (b) $111.50; (c) $75.45.
M. E. Ryan ..... 3613 (a) $290; (c) $69.

Heating and Ventilating

F. L. Warner, 696 20th St., Oakland ..... $2280 (a) $258.60; (b) $153.80.
Scott Co. ..... 2674 (a) $282; (b) $158.
P. J. Enright, San Francisco ..... 3046 (a) $205; (b) $107.
W. K. Nottingham, Oakland ..... 3580 (a) $237.80; (b) $143.
Carl T. Doell ..... 3895 (a) $243; (b) $176.

Plumbing

Carl T. Doell, 467 21st St., Oakd. .$5678
Thos. R. Catton, Berkeley 5823
Scott Co. 6267
J. E. O'Mara 6900

Brick Work

White & Gloor, Monadnock Bldg., San Francisco $22,450
Schuler & McDonald 23,673
Mealy & Collins 24,900

Lathing and Plastering

M. Ebinger, 1063 Alcatraz Ave., Oakland ..... $6086 $1776; $684.
Leonard Bosch, San Francisco .... 6125 $1780; $740.
Geo. Dixon ..... 6427 $2700; $1000.
A. Knowles ..... 7650 $2160; $839.

Painting

D. Zelinsky, 180 Jessie St., San Francisco, $2077; $605; $392.
A. Quandt, San Francisco. .....$2265 $790; $335.
R. Zelinsky, San Francisco. .....$2360 $886; $335.
I. R. Kissell. .....$3561 $696; $319.

Shades

W. & J. Sloane Co. S. F. $313 $106; $63.50
D. N. & E. Walter Co., S. F. .....$369 $85; $129.

ARBUCKLE, Colusa Co., Cal.—Until June 15, 1:30 P. M., bids will be received by T. H. Mumma, Clerk, Johns Elementary School District, to erect new school building. Chester Cole, Waterland-Breslauer Bldg., Chico, Architect. **See call for bids under official proposal section in this issue.**

NAPA, Napa Co., Cal.—Bids were opened on June 5 by the Board of Trustees of the Napa Union High School District for the construction of a reinforced concrete high school building from plans prepared by Architect W. H. Weeks, 369 Pine St., San Francisco. Bids were taken under advisement. A complete list of the bids follow:

General Contract

Larsen-Siegrist Co., Claus Spreckels Bldg., San Francisco, (1) $262,777; (2) $932; (3) $375; (4) $1639; (5a) $2200; (5b) $840; (6) $4385; (7) $3405; (8) $——.

Robert Trost, San Francisco, (1) $272,000; (2) $900; (3) $400; (4) $650; (5a) $4000; (5b) $1000; (6) $7750; (7) $1750; (8) $200.

Wm. Reed, Sacramento, (1) $289,112; (2) $1100; (3) $652; (4) $1346; (5a) $4600; (5b) $1367; (6) $4978; (7) $3350; (8) $——.

Chas. Stockholm & Son, San Francisco, (1) $290,400; (2) $1120; (3) $368; (4) $1560; (5a) $3600; (5b) $1275; (6) $4276; (7) $3200; (8) $——.

Cobby & Owsley, San Francisco, (1) $297,300; (2) $750; (3) $452; (4) $1750; (5a) $2375; (5b) $1262; (6) $4573; (7) $3752; (8) $——.

Herndon & Finnigan, Sacrmento, (1) $304,500; (2) $1352; (3) $732; (4) $1430; (5a) $3965; (5b) $1671; (6) $5672; (7) $3198; (8) $——.

Heating and Ventilating

Hateley & Hateley, Sacramento, (1) $22,130; (2) $990; (3) $2850; (4) $1010; (5) $23,285; (6) $965; (7) $30,230; (8) $985.

Luppin, Hawley & Thing, Sacramento, (1) $22,997; (2) $1100; (3) $29,777; (4) $1150; (5) $23,623; (6) $1100; (7) $30,300; (8) $1150.

J. E. O'Mara, San Francisco, (1) $23,177; (2) $1137; (3) $30,474; (4) $1137; (5) $24,077; (6) $1262; (7) $31,638; (8) $1237.

Scott Co., San Francisco, (1) $23,460; (2) $1250; (3) $28,360; (4) $1290; (5) $24,880; (6) $1130; (7) $30,200; (8) $1165.

Latourrette-Fical Co., Sacramento, (1) $23,500; (2) $900; (3) $9750; (4) $900; (5) $24,300; (6) $920; (7) $30,500; (8) $920.

Carl T. Doell, Oakland (1) $24,802; (2) 1160; (3) $33,182; (4) $1141; (5) $25,295; (6) $1160; (7) $33,955; (8) $1141.

Robert Dalziell Jr., San Francisco, (1) $25,567; (2) $1157; (3) $32,997; (4) $1077; (5) $26,417; (6) $1057; (7) $33,947; (8) $1057.

Painting

D. Zelinsky & Son, 180 Jessie St., San Francisco $6700
R. Zelinsky, San Francisco 7862
F. L. Tessin, Napa $400
Wm. Bernstein, San Francisco.... 9250
Cramer Bros., San Francisco..... 9665
Larsen-Siegrist, San Francisco... 9375

Program Clocks

Standard Elec. Time Co., S. F...$1460
Pacific Elec. Clock Co., S. F.... 1500
International Time Recording Co., San Francisco 1545

Special Fixtures

C. F. Weber Co., S. F., Prop (1) $14,350 Alternate, $1495; Prop. 2, $3150
Fink & Schindler, S. F., Prop. (1) $20,000 Alternate, $——; Prop. (2) $7000.
L. & E. Emanuel, Prop. 1 and 2, $33,000 Alternate, $444.

MADERA, Madera Co., Cal.—Until June 19, 10 a.m., bids will be rec. by W. H. Hall, clerk Howard School District, to construct school building. Plans obtainable from County Supt. of Schools, $5 deposit, at Madera.

SACRAMENTO, Cal.—Architects Dean & Dean, to operate as the Architectural and Engineering Commission of the Board of Education, have been commissioned by that body to prepare plans for the completion of the Sacramento school program under the recently authorized $400,000 bond issue. This work consists of: Lincoln School, construction of fireproof exit; Jefferson School, 2-rm. addition, $12,000; Newton Booth School, 4-rm. addition, $37,500; Highland Park School, 4-rm. addition, $37,500; Elmhurst School, 2-rm. addition, $166,000; El Dorado School, 2-rm. addition, $16,000; Stanford School, 4-rm. addition, $26,000; Bret Harte School, 4-rm. addition, $26,000; Fremont School, auditorium, $40,000.

REDWOOD CITY, San Mateo Co., Cal.—Bids were received as follows on June 3 by the Board of Trustees of the Sequoia Union High School District in Redwood City, for the construction of three one-story reinforced concrete and frame buildings from plans prepared by Architects Werner & Coffey, Humboldt Bank Bldg., San Francisco. Estimated cost, $300,000. All bids were taken under advisement.

General Contract

C. L. Wold, 185 Stevenson St., S. F. $265,000; alternate (1) $9000; (2) $7500; (3) $5000.

P. F. Reilly.....$274,000 (1) $10,500; (2) $4140; (3) $9626.

Ward & Jones.....$282,000 (1) $11,500; (2) $3700; (3) $7000.

Plastering

A. Knowles, Call Bldg., S. F.....$54,000 alternate, $2500.

J. F. Smith.....$61,200 alternate, $1800

Plumbing

Christensen & Anderson, Palo Alto $30,462; alternate, $345.

Carl T. Doell, Oakland..$34,901; (1)$403

Painting

J. P. Fraser-Thompson Co., 902 O'Farrell St., S. F.....$ 9,990
L. B. Winiger, Redwood City.... 26,312
R. Zelinsky, S. F..... 14,421
D. Zelinsky & Son, S. F..... 14,000

Electrical Work

M. E. Ryan, Clunie Bldg., S. F...$15,750
F. E. Newbery Elec. Co..... 16,225

Heating and Ventilating

J. F. McGowan, 150-A St., San Mateo $34,394
J. E. O'Mara..... 34,644
Burnham Plumbing Co., S. F.... 35,000
Wm. F. Wilson, S. F..... 35,026
W. K. Nottingham..... 36,888
Christensen & Anderson..... 38,982
Carl T. Doell..... 37,273

Blackboards (Slate)

Stewart Sales Co., S. F.....$2898
C. F. Weber Co., S. F..... 2950
Rucker-Fuller Co., S. F..... 3136

SANTA ANA, Orange Co., Cal.—National Constr. Co., 602 Story Bldg., L. A., awarded the general contr. at $105,597 for erecting two new school bldgs. at Santa Ana. Theo. C. Kistner, San Diego, and F. H. Eley, Santa Ana, assoc. archts. The contract for heating was let to George Cocking, Santa Ana, at $7386. Other bids were: Bowman & Preble, Santa Ana, $51,346 for E. 4th St. building and $66,213 for So. Flower St. bldg.; George Barrows, Santa Ana, $57,000 on E 4th St. bldg.; John Simpson & Co., $118,000 for both bldgs. The bldgs. will be of brick construction. (41761) 1st report Mar. 23, 1922.

BERKELEY, Alameda Co., Cal.—Until June 20, 4 P. M., bids will be received by Clyde Blanchard, Acting Secretary, Board of Education, 2133 Allston Way, for furnishing and delivering lumber and physical education supplies, for school year ending June 30, 1923. Specifications will be furnished on request.

ORLAND, Glenn Co., Cal.—Bids were received on June 3rd by the Board of Trustees of the Orland High School District for the construction of a two-story reinforced concrete addition to the High School to be known as the "Domestic Science Building." Plans were prepared by Architect W. H. Weeks, 369 Pine St., San Francisco.

The contract was awarded to the Campbell Construction Co. of Sacramento. A complete list of the bids follow:

General Construction

Campbell Constr. Co., Sacto.....$37,777 alternate add $2777.

W. R. Zumwalt, Willows .....$38,800 add $1800.

J. L. Webster, Chico .....$39,245 Add $2000.

F. H. Nielson, Orland .....$40,702 Add $1728.

Cobby & Owsley, San Francisco.$41,344 Add $2000.

John Berlinger and D. A. Brown, Orland ..... $48,719 Add $1400.

M. C. Vaughn, Oakland.....$52,000 Add $3000.

Heating Bids returned unopened.

EUREKA, Humboldt Co., Cal.—H. G. Ackerman, Eureka, at $14,387 (not including plumbing) submits only bid to the Board of Education to construct gymnasium for the Eureka High School. Bid taken under advisement.

STOCKTON, San Joaquin Co., Cal.—Until June 21, 7:30 p.m., bids will be rec. by Ansel S. Williams, secty. Board of Education, to const. addition to North School. Davis-Heller-Pearce Co., Delta Bldg., Stockton, architects. **See call for bids under official proposal section in this issue.**

STOCKTON, San Joaquin Co., Cal.—Until June 21, 7:30 p.m., bids will be rec. by Ansel S. Williams, secty. Board of Education, for remodeling Grant School Franklyn Warner, Belding Bldg., Stockton, architect. **See call for bids under official proposal section in this issue.**

SANTA MONICA, Cal.—J. F. Kobler, 918 W. 8th St., Los Angeles, was low bidder at $70,996 on general contr. for erecting new McKinley school bldg. at Santa Monica. Allison & Allison, 1405 Hibernian Bldg., L. A., architects. Low bidders on other contracts were: St. Louis Cornice Works, on sheet metal work, at $998; Johns-Manville Co. on comp. rfg. at $112.83; J. A. Drummond, Douglas Bldg., on tile rfg at $2585; E. E. Harding on plastering at $7250; T. N. Fierce on blackboards at $182.75; A. Quandt & Son on painting at $3447; Quandt Hardware Co., Santa Monica, on hardware at $2197; Arthur Hess on plumbing at $6890; Golden State Electric Co. on wiring at $2297 and Arthur Hess on heating at $7902. Bids taken under advisement. Two-story, 13 rms., brick const., plas. exterior, tile rf., pine trim, pine and maple floors. The bids were: **General Contract**—J. F. Kobler, $70,996; Robert E. Millsap, $74,490; Lockwood & Gauger, $76,172; Frank Hudson, $83,700. **Sheet Metal**—St. Louis Cornice Wks., $998; Venice Sanitary Plumbing Co., $1410; C. J. Strangman Co., $1566; Arcade Cornice Wks., $1702.66. **Comp. Rfg.**—Johns-Manville Co., $112.83; Standard Roof Co., $114; Atlas Roof Co., $125; Warren & Bailey, $127. **Tile Rfg.**—J. A. Drummond, $3585; R. G. Blessing, $4000; C. L. Passmore, $4000; **Plastering**—E. E. Harding, $7250; Jos. B. Rickert, $7920; E. V. Fallgren, $8311. **Blackboards**—T. N. Fierce, $182.75; J. E. Jouvenat, $280; C. F. Weber Co., $410. **Painting**—A. Quandt & Son, $3447; Arenz-Warren Co., $3969; Alhambra Wall Paper & Paint Co., $4200; D. Zelinsky, $4600; Wormell & Drawbaugh, $5195; E. A. Lindgreen, $5445. **Hardware**—Quandt Hardware Co., $2197, Bennett-Montgomery Co., $2273. **Plumbing**—Arthur Hess, $6890; Lohman Bros., $7080; Thos. Haverty Co., $7500; F. J. Donnelly, $7500; E. P. Nittinger, $7675; Venice Sanitary Plbg. Co., $8130; Jos. C. Hamilton, $8345. **Electric Wiring**—Golden State Electric Co., $2297; Newbery Elec. Corp., $2358; Prewitt Elec. Co., $2739; D. S. McEwen, $2751; So. Cal. Electric Co., $2828; Woodill-Patterson Co., $2889; Hall & Son, $2944. **Heating**—Arthur Hess, $7902; Frank Davidson, $8137; Thos. Hoverty Co., $8250; F. J. Donnelly, $8350; W. S. Goodrich, $8481; E. P. Nittinger, $9214.

Central Avenue School

J. F. Kobler, 918 W. 8th St., Los Angeles, was low bidder at $81,902 on gen. contr. for erecting new Central Ave. school building. Low bidders on other contracts were: St. Louis Cornice Wks. on sheet metal work at $1062; Johns-Manville Co. on comp. rfg. at $112.83; J. A. Drummond on tile rfg at $4700; Gust Johnson on plastering at $8164; T. N. Fierce on blackboards at $171; A. Quadnt & Son on painting at $4145; Quandt Hardware Co., Santa Monica, on hardware at $2695; Thos. Haverty Co. on plumbing at $7700; Newbery Elec. Corp on wiring at $2379; and Thos. Haverty Co. on heating at $8284. Bids taken under advisement. Two-story, 13 rms., brick const., plas. exteri., tile roof, pine trim, pine and maple floors. The bids were: **General Contract**—J. F. Kobler $81,902; J. L. Moser, $88,750; Robert F. Millsap, $88,990; Farley & Farley, $92,482. **Sheet Metal**—St. Louis Cornice Wks., $1062; Venice Sanitary Plbg. Co., $2081, Main Cornice Wks., $3585; Arcade Cornice Wks., $2043.26. **Comp. Rfg.**—Johns-Manville Co., $112.83; Standard Rfg. Co., $130; Warren & Bailey, $146.50; Atlas Rf. Co., $150. **Tile Rfg.**—J. A. Drummond, $4700, R. G. Blessing $5200; C. L. Passmore, $5300. **Plastering**—Gust Johnson, $8164;

E. V. Fallgren, $8220; E. E. Harding, $8280; J. B. Rickert, $8648. **Blackbds.**—T. N. Fierce, $171; J. B. Jouvenat, $285; C. F. Weber Co., $455. Painting—A. Quandt & Son, $4145; Arenz-Warren Co., $4227; R. Zelinsky, $4782; Ahlambra Wall Paper & Paint Co., $4844; D. Zelinsky, $5200; Wormell & Drawbaugh, $5771; E. A. Lindgreen, $5792. **Hardware** — Quandt Hardware Co., $2695; Bennett-Montgomery Co., $2973. **Plumbing**—Thos. Haverty Co., $7700; Lohman Bros., $7897; Arhtur Hess, $7994. F. J. Donnelly, $8300; Venice Sanitary Plumbing Co., $8820; E. P. Nittinger, $9261. **Electric Work**—..ewbery Elec. Corp., $2379; Golden State Elec. Co., $2446; Prewitt Elec. Co., $276[illegible]; D. S. McEwen, $2874; Hall & Son, $2954; Woodill & Patterson, $2996; So. Cal. Elec. Co., $3131. **Heating**—Thos. Haverty Co., $8284; Frank Davidson, $8727; F. J. Donnelly, $9200; W. S. Goodrich, $9426; E. P. Nittinger, $9508.

SAN FRANCISCO. — Anderson & Ringrose at $73,291 awarded contract by Board of Public Works to const. annex and make alterations to Yerba Buena School; electric workk to Turner Co., $1972; heating and ventilating to P. J. Enright, $4900; plumbing to A. Lettich, $7752.

Contract for electric work for Mission High school temporary buildings awarded to S. M. Radelfinger at $1345.

MARICOPA, Kings Co., Cal.—Until June 22, 10 a.m., bids will be rec. by H. E. Osburn, clerk Paleto School District, to erect 1-room frame school. J. M. Saffell, 924 19th St., Bakersfield, architect. Cert. check 10% payable to clerk req. Plans may be had from arch.

STORES AND OFFICES

Contract Awarded.
STORE BLDG. Cost, $23,160.50
PALO ALTO, Santa Clara Co., Cal.
One-story reinforced concrete store building (7 stores).
Owner—V. V. Harrier, Palo Alto.
Architects—Chas. W. McCall, Chas. T. Davis and Birge Clark, Associated, Central Bank Bldg., Oakland, and Palo Alto.
Contractor—Walters & Grove, Monadnock Bldg., San Francisco.

Plans Being Figured.
Bids Close June 12, 1922.
OFFICE BLDG. Cost, $750,000
LONG BEACH, Los Angeles Co., Cal. Third St. and Pine Ave.
One-story and mezzanine Class A bank and office building.
Owner—Farmers & Merchants Bank.
Architect—Aleck E. Curlett and Claud Beelman, 408 Union Bank Bldg., Los Angeles, and W. Horace Austin of Long Beach, associated.
Separate bids are being taken for a general contract, structural steel, terra cotta, ornamental iron and bronze, plumbing, heating and wiring.

Segregated Figures Being Ttaken.
ALTERATIONS Cost, $20,000
OAKLAND, Cal. 17th bet. Franklin and Broadway.
Alter one-story brick store building (install new store fronts, terra cotta and brick walk).
Owner—H. C. Capwell.
Architect—Wm. Knowles, Hearst Bldg., San Francisco, and Central Bank Bldg., Oakland.

Plans Being Prepared.
STORE BLDG. Cost, $50,000
SAN FRANCISCO. E Fremont St 137:6 N. Folsom.
Three-story and basement brick store and loft building.
Owner—Bolbin Real Estate Co.
Architect—Arthur G. Lugbee, 26 Montgomery St., San Francisco.

Segregated Figures to be Taken Next Week.
STORES & LOFTS Cost, $60,000
OAKLAND, Alameda Co., Cal. NE Twelfth and Webster Sts.
Two-story Class C store and loft bldg.
Owner—C. H. King Estate.
Architect—Wm. Knowles, Hearst Bldg., San Francisco, and Central Bank Bldg., Oakland.

Grading Bids Being Taken.
OFFICE BUILDING Cost, $400,000
OAKLAND, Alameda Co., Cal. NE 19th and Franklin Sts., 125x66.
Eight-story and basement reinforced concrete building to be known as the "Physicians Building."
Owner—Dr. Robert Dunn.
Architect—Willis C. Lowe, 782 Monadnock Bldg., San Francisco.
Contractor—P. A. Palmer, 782 Monadnock Bldg., San Francisco.
Grading bids are now being taken. The reinforcing steel has been awarded to Edw. L. Soule Co., Rialto Bldg. Segregated bids on the balance of the work will be taken shortly.
The basement will be used as a storage room for the doctors' automobiles and will have a large freight elevator. Construction will be started in about 30 days.

Plans Being Prepared.
OFFICE BLDG. Cost, $85,000
SAN FRANCISCO SE 22nd and Valencia Sts.
Four-story and mezzanine reinforced concrete store and office building.
Owner—Not given.
Architect—Arthur G. Bugbee, 26 Montgomery St., San Francisco, Cal.

Contract Awarded.
STORE Cost, $31,000
OAKLAND. SW 23rd St and Telegraph Ave.
Owner—Phillip Vetter, 444 Moss Ave., Oakland.
Architect—None.
Contractor—Fred Hambleton, 3737 13th St., Oakland.

Plans Being Prepared—Contract Awarded on a Percentage Basis.
ADDITION Cost, $20,000
SAN FRANCISCO. 325 Bush St.
Two-story addition and extensive alteration to building for officers.
Owner—Wm. B. Wagnon, 45 Montgomery St., San Francisco.
Supervising Architect — August G. Headman, Call Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Figures to be Taken in About a Week.
OFFICE BLDG. Cost, $20,000
MARTINEZ, Contra Costa Co., Cal. Las Juntas and Escobar Sts.
Two-story concrete, brick and tile office building.
Owner—Contra Costa Abstract & Title Co., Martinez.
Architect—W. A. Doctor, 314 Main St., Martinez.

To Be Done by Day's Work.
ALTERATIONS Cost, $5000
SAN FRANCISCO. S O'Farrell 87 E Powell.
Alterations for store.
Owner—A. C. Morrison and F. Seyforth, 165 O'Farrell St., San Francisco.
Architect—M. V. Politeo, First National Bank Bldg., San Francisco.

Contract Awarded.
STORE Cost, $10,600
SAN FRANCISCO. N Geary St. 30 W 15th Ave.
One-story frame store building.
Owner—Anton Despol, 525 23rd Ave., San Francisco.
Architect—A. H. Jacobs, 110 Sutter St., San Francisco.
Contractor—S. Montani, 1753 Greenwich St., San Francisco.

Completing Plans.
STORE BLDG. Cost, $30,000
FRESNO, Fresno Co., Cal. Van Ness Ave. and Merced St.
One-story fireproof store building (9 store). Black marble base, plate glass fronts, red tile roof, etc.
Owner—Kineina Investment Co.
Architect—H. Raiael Lake, Balboa Bldg., San Francisco.

Contract Awarded.
BUILDING Cost, $22,000
SAN FRANCISCO. SW Howard and Moss Sts.
Concrete work, etc., for two-story and basement reinforced concrete building.
Owner—E. V. Lacey and V. Fassio, 180 Jessie St., San Francisco.
Architect—None.
Contractor—Mission Concrete Co., Call Bldg., San Francisco.

Contract Awarded.
STORES Cost, $35,000
SAN MATEO, San Mateo Co., Cal. SW Second Ave. and B St.
One-story Class A steel and brick store building (4 stores).
Owner—C. E. Cook.
Architect—None.
Contractor—Leadley & Wiseman, 207 2nd St., San Mateo.

Contract Awarded.
STORE AND LOFT Cost, $32,000
SAN FRANCISCO. N E Minna and 7th Sts.
Two-story and basement concrete store and loft building.
Owner—Walter N. Brunt.
Engineer & Contractor—J. H. Hjul, 850 Monadnock Bldg., San Francisco.

Architect to be Selected Shortly.
OFFICE BLDG. Cost, $750,000
FRESNO, Fresno Co., Cal. NW J and Tuolumne Sts.
Ten-story Class A steel and brick office building, 75x150.
Owner—San Joaquin Light & Power Co., 1801 Tulare St., Fresno.
Architect—To be selected next week.

Plans Being Prepared.
ADDITION Cost, $500,000
PORTLAND, Ore. Blk Bded. by Washington, Stark, West Park and 10th Streets.
Six-story addition to present two-story portion of Pittock Office Building.
Owner—Fleishhacker Interests of San Francisco.
Architect—A. E. Doyle, Worcester Bldg., Portland, Ore.

Sketches Figured.
TERMINAL BLDG. Cost, $1,900,000
OAKLAND, Cal. 14th and Franklin Sts.
Six-story Class A office, club and terminal building.
Owner—Athens Athletic Club, Norman De Vaux, president.
Architect—Bliss & Faville, Balboa Bldg. San Francisco.
Two committees were appointed recently at the meeting of members to arrange the details that are necessary preliminary to immediate construction work.
On the finance committee are Ernest Tanner, Frank MacHugh, A. J. Mount and Senator Arthur H. Breed; on the club arrangements committee are Will Dickey, Herbert Hauser and Warren Tucker.
Kidder-Peabody & Co., bonding firm of N. Y., has agreed to take 6 per cent bonds to the value of $2,200,000, with a par value of approximately $93.

Segregated Figures Being Taken.
STORE BLDG. Cost, $20,000
WATSONVILLE, Santa Cruz Co., Cal.
Two-story reinforced concrete store building.
Owner—John P. Porter.
Architect—Wyckoff & White, Growers Bank Bldg., San Jose.

Figures to Be Taken End of This Week.
MARKET BLDG. Cost, $15,000
FAIRFAX, Marin Co., Cal. Main St. and Bolinas Rd.
Two-story concrete and brick market and hall building.
Owner—Not given.
Architect—A. J. Porporato, 619 Washington St., San Francisco.
Figures will be taken for a general contract.

THEATRES

Contract to Be Awarded.
THEATRE Cost, $150,000
SAN FRANCISCO. S Market bet. 3rd and 4th St. (Portola Theatre).
Rebuild Theatre, Class "A" construction.
Owner—Market Street Realty Co.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.
Contractor—R. McLeran Co., Hearst Bldg., San Francisco.
All the interior will be torn out and rebuilt, the exterior remodeled in Spanish style of architecture. The name will be changed from Portola to Dolores Theatre, and is to be a replica of the Cameo Theatre in New York.

Official Proposals

NOTICE INVITING SEALED BIDS FOR JOHNS ELEMENTARY SCHOOL BUILDING CONSTRUCTION WORK

Pursuant to a resolution of the Board of Trustees of Johns Elementary School District, Arbuckle, California, adopted in adjourned regular session, notice is hereby given that the said Board of Trustees will receive sealed bids for the construction work of the Johns Elementary School Building, **until the hour of 1:30 o'clock P. M., of June 15th, 1922.**

Said sealed bids or proposals shall be for furnishing all materials and labor necessary for the entire construction work in accordance with the plans and specifications made and provided by Chester Cole, Architect of said work.

Each bid shall be accompanied by a certified check in the amount of ten per cent of the aggregate of the bid, certified by a responsible bank, payable to the order of the Board of Trustees, Johns Elementary School District, to insure the entering into of a contract with said Board and the furnishing of bond guaranteeing the performance of the work. Said contracts and bonds to be executed within ten days after written notice of award of contract.

All plans and specifications for this construction work may be seen at the residence of T. H. Mumma, Clerk, or at the office of the County Superintendent of Schools, Colusa, Calif., and may be obtained of Chester Cole, Architect, Chico, Calif.

Bids must be in writing in accordance with the proposal in the official specifications, sealed and marked on the outside of the envelopes as to the contents, and delivered to T. H. Mumma, Clerk of said School Board, at the office of the County Superintendent of Schools, Colusa, Calif., before the hour of 1:30 o'clock P. M., June 15th, 1922.

The Board reserves the right to reject any or all bids. Checks of unsuccessful bidders to be returned upon the rejection of their bids.

By order of the Board of Trustees, Johns Elementary School District.

T. H. MUMMA, Clerk,
Arbuckle, California.

BIDS WANTED FOR ADDITION TO POWER HOUSE

NOTICE TO CONTRACTORS

SEALED PROPOSALS, indorsed "Proposals for extension to Power House, Building No. 393, High Power Radio Station, Mare Island, California, Specification No. 4664," will be received at the office of the Public Works Officer, Navy Yard, Mare Island, California, until 11 o'clock a.m., June 14, 1922, and then and there publicly opened for a one-story addition to the present power house, approximately 36' 6" x 35' 2" x 19' 0" story with concrete floor, brick walls and felt, asphalt and gravel roof. Drawings and specification No. 4664 may be obtained on application to the Bureau of the Commandant, Navy Yard, Mare Island California. Deposit of a check or postal money order for $10, payable to the Chief of Bureau of Yards and Docks is required as security for the safe return of the drawings and specification within five days after the award of contract.

L. E. GREGORY,
Chief of Bureau.

May 31, 1922.

NOTICE TO CONTRACTORS

(2-Room School)

By authority of the Board of Trustees of Taurusa School District, notice is hereby given that the Board of Trustees of said Taurusa School District, in the County of Tulare, State of California, will receive up to the hour of 10 o'clock a.m., of Tuesday, the 13th day of June, 1922, sealed bids for the performance of all the work, and the furnishing of all materials necessary for the construction and completion of a two-room frame school building for said Taurusa School District, excepting such materials as shall be furnished by said District, according to the plans and specifications for said building which have been prepared by Charles Muhs, architect engineer, and which are on file with said Board of Trustees. Said bids must be upon the following propositions:

PROPOSITION No. 1: Plumbing will be under separate bid, and will include the water pressure system and plumbing complete.

PROPOSITION No. 2: Electric wiring and fixtures will be under separate bid, and will include the wiring and connection for the motor pressure pump.

PROPOSITION No. 3:—The balance will be bid in general, and to cover every item except the Propositions 1 and 2.

Bids shall be delivered to the undersigned, Clerk of the Board of Trustees, before the hour above named, and the Board of Trustees hereby reserves the right to reject any and all bids and to accept such propositions which may, in the judgment of the Board, be for the best interests of said District.

All bids must be accompanied by a certified check to the amount of ten (10%) per cent of the sum bid, drawn to the order of the Clerk of said Board, and the successful bidder will be required to execute within 10 days after the acceptance of his bid, a contract for the performance of said work subject to the approval of the District Attorney of Tulare County, and shall also execute and furnish a surety bond to the amount of fifty (50%) per cent of the contract price, said bond to be conditioned for the faithful performance of said work, and for the payment of material men and laborers in accordance with a certain Act of the Legislature of the State of California, entitled, "An Act to secure the payment of the claims of persons employed by contractors upon public work, etc.," approved May 10, 1919, Stats. 1919, page 487.

Dated May 29, 1922.

J. G. HICKS,
Clerk of the Board of Trustees of Taurusa School District.

NOTICE TO CONTRACTORS

(Telephone Line)

Sealed bids will be received by the Directors of the Grenada Irrigation District, Siskiyou County, California, at their office in Grenada, California, **up to 1:00 P. M., Wednesday, June 21, 1922,** for the construction of about six and one-half (6½) miles of telephone line.

At the time and place named, the bids will be publicly opened and read and the work will be let to the lowest responsible bidder.

Plans, specifications and form contract can be seen at the office of the District at Grenada, or at the office of the District's Engineer, Fred H. Tibbetts, in the Alaska Commercial Building, San Francisco.

Full sets may be taken out on the deposit of $5.00 to insure return.

Each bid shall be accompanied by a certified check for not less than 10% of the bid, made payable to the President of the Board of Directors of the Grenada Irrigation District, to be held as security for the execution of the contract by the bidder if the work is awarded to him.

The District reserves the right to award a contract for any or all of the work herein described.

The District reserves the right to reject any or all bids.

By order of the Board of Directors of the Grenada Irrigation District.

J. G. HADDOCK,
President.
VICTOR BOVO,
Secretary.

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **The California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on July 3, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Santa Barbara County, between Canada de las Llagas and Los Chiqueros Creek (V-SB-2-F and G), about ten and eight-tenths (10.8) miles in length, to be paved with Portland cement concrete shoulders and an asphalt concrete wearing surface.

Orange County, between Easterly Boundary and San Juan Creek (VII-Ora-2-A), about eight and eight-tenths (8.8) miles in length, 3.2 miles to be paved with Portland cement concrete and 5.6 miles to be paved with Portland cement concrete shoulders and an asphalt concrete wearing surface.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
R. A. MURRAY,
Secretary

Dated June 5, 1922

A call for bids published in this section indicates that bids are desired from other than local bidders. Maximum competition is desired, and this is assured through BUILDING AND ENGINEERING NEWS which reaches every worth-while contractor and materialman in Central and Northern California who bids on public work.

Rate: 10 cents per line, per insertion.

All official calls for bids of the California State Highway Commission and Nevada State Highway Commission are published in this section.

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on June 19, 1922, at** which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Siskiyou County, between Upton and Shasta River (II-Sis-3-A and B), about ten and seven-tenths (10.7) miles in length, to be graded and paved with Portland cement concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated May 22, 1922.

BIDS WANTED FOR STOCKTON SCHOOL

(Brick, Frame and Concrete Construction

Estimated Cost, $60,000)

NOTICE TO BIDDERS ON NORTH SCHOOL EIGHT-ROOM ADDITION

Notice to bidders is hereby given that bids on North School Addition general construction and also heating, plumbing and wiring group, as per plans and specifications on file at the office of the architects, Davis-Heller-Pearce Co., Delta Building, Stockton, Cal., will be opened on **Wednesday, June 21st, 1922, at 7:30 p.m.,** at the office of the Board of Education, corner of Lindsay and San Joaquin streets.

Bidders may bid upon the general construction work or upon the heating, plumbing and wiring group.

The Board of Education reserves the right to reject any or all bids.

A certified check of ten per cent of the amount bid must accompany said bid.

Dated June 7th, 1922.

By order of the Board of Education.
By ANSEL S. WILLIAMS,
Secretary.

NOTICE TO CONTRACTORS

(Orange Cove School Additions)

Pursuant to an order of the Board of Trustees of the Orange Cove Joint Union Grammar School District, duly passed and entered in its minutes on May 1st, Nineteen Hundred Twenty-two, notice is hereby given that said board will receive sealed proposals for the following work:

1. Additions and alterations to the present Grammar School Building including alterations and additions to the Auditorium.

2. Additions and alterations to the present Grammar School Building exclusive of additions to the Auditorium.

3. A separate bid for heating plant.

Plans and specifications are on file with Clerk of said Board. Copies may be obtained at the office of Coates and Traver, Architects, 626 Rowell Building, Fresno, California.

All bids must be in the hands of J. H. Wraith, Clerk of the Board of Trustees, at the School Building, Orange Cove, California, before 7:30 p.m., June 14th, 1922

A certified check or bidders bond equal to 10 per cent of the amount of the bid submitted, must accompany the proposal.

All bids must be sealed and name of bidder and branch of work must be marked on outside of envelope.

BOARD OF TRUSTEES,
Orange Cove Joint Union Grammar School District.
J. H. WRAITH, Clerk.

BIDS WANTED FOR STOCKTON SCHOOL

Cost Approximately $30,000

NOTICE TO BIDDERS ON THE REMODELING OF THE GRANT SCHOOL BUILDING

Notice to bidders is hereby given that bids on the remodeling of the Grant School building, also heating plant, as per plans and specifications on file at the office of the architect, Franklyn Warner, Belding Building, will be opened on **Wednesday, June 21st, 1922, at 7:30 p. m.,** at the office of the Board of Education, corner of Lindsay and San Joaquin streets.

Bidders may bid upon the general construction work or upon the heating and ventilating plant.

The Board of Education reserves the right to reject any or all bids.

A certified check of ten per cent of the amount bid must accompany said bid.

Dated June 7th, 1922.

By order of the Board of Education.
By ANSEL S. WILLIAMS,
Secretary.

NOTICE TO CONTRACTORS

BIG BEAR VALLEY ROAD

Sealed proposals for constructing the above-named National Forest Road Project located within the Angeles National Forest, County of San Bernardino, State of California, will be received by the District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, at 881 Mills Building, San Francisco, California, until 2 o'clock p.m., on the 22nd day of June, 1922, at which time and place they will be publicly opened and read. The right is reserved to reject any and all bids, and none will be considered except those from contractors ascertained to be experienced and responsible.

The length of the project to be constructed is approximately 10.4 miles, and the principal items of work are approximately as follows:

Clearing and Grubbing	...547 Stations
Excavation, Unclassified.	325,000 cu. yds.
Dry Rubble Masonry...	170 cu. yds.
Cement Rubble Masonry.	530 sq. ft.
Class "A" Concrete.....	118 cu. yds.
Reinforcing Steel	21,000 lbs.
Corru. Metal or Concrete Pipe Culverts	5,650 lin. ft.
Hand placed Embankment	630 cu. yds.

The work embraced in this contract shall be started within ten days after notice of signing of contract by the Secretary of Agriculture has been given the contractor by the District Engineer, and shall be completed within 200 working days after said notice has been given.

The contract form and the maps, plans, specifications and estimates of quantities may be examined by responsible contractors at the following addresses

881 Mills Building, San Francisco, California.

After June 8, 1922—J. H. Obermuller, Green Valley Calif.

After June 8, 1922—C. E. Tait, 601 Federal Bldg., Los Angeles, Calif

The Bureau of Public Roads will furnish Corrugated Metal or Concrete Pipe for pipe culverts. The Bureau also has available for loan to contractors on a rental basis, equipment as listed in the specifications. Bidder will state in his bid the Government equipment that he will use during construction and the minimum time required. The estimated rentals will be deducted from the total of the construction items and award will be made on bid to best advantage to the Government.

Plans and specifications will be furnished contractors who contemplate bidding, upon deposit of a certified check for $10.00, payable to the Secretary of Agriculture of the United States. Check will be held pending return of plans and specifications.

All proposals must be made on forms furnished by the District Engineer, Bureau of Public Roads, and in accordance with the instructions forming a part of the Specifications above referred to.

C. H. SWEETSER,
District Engineer.

May 27, 1922.

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on June 26, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Colusa County, in the town of Williams (III-Col-7-B and 15-A), about three-tenths (0.3) miles in length, to be surfaced with asphalt concrete.

Marin County, between Alto and Belvedere Crossing (IV-Mrn-52-A), about three and five-tenths (3.5) miles in length, to be graded and graveled.

Imperial County, between El Centro and Imperial (VII-Imp-26-F), about two (2.0) miles in length, to be graded and paved with Portland cement concrete.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated May 29, 1922.

TO ABANDON CEMENT PLANT AT NAPA JUNCTION

Word has been received at Napa that the Santa Cruz Portland Cement Company has decided to abandon its plant at Napa Junction. The machinery is to be moved to Santa Cruz, according to reports. The plant has lain idle for more than a year. Some months ago announcement was made a previous plan to abandon this plant had been abandoned. Later, word came this order has been rescinded and that operations would be resumed as soon as business conditions warranted.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

LONG BEACH, Cal.—City Manager Hewes favors demolition of Pine Ave. pier and construction of one-deck concrete pier. Cost of necessary repairs to old pier would be $25,000.

SAN FERNANDO, Cal.—Van Nuys Chamber of Commerce has petitioned City Council to start new proceedings for constructing dam in Pacoima Canyon. Est. cost, $1,000,000. Former proceedings were abandoned because of disputes regarding boundaries of district which would be assesed one-third of cost. Petition was referred to City Engineer John Griffin.

PRESCOTT, Ariz.—Winsor, Coleman & King awarded contr. at $13,021.10 to const. conc. arch bridge over Lynx Creek. Other bids were: A. W. Daniel, $14,700. L. C. Lashmet, $14,780. H. J. Mann, $19,345 and Midland Bridge Co., $16,126.

SAN DIEGO, Cal.—City Council has authorized municipal purchasing agent to advertise for bids for replacing of floor and wheel guards on the 30th St. bridge across Switzer Canyon. New stringers will also be installed.

EUREKA, Humboldt Co., Cal.—Boardwell & Zimmerman, Calistoga, at $68,916 awarded contract by Supervisors to construct two concrete bridges across Van Dusen River at Blue Slide in Rd. Dist. 2. Other bids: Padgett & Kelly, $90,000 for two or $40,067 for one and $52,346 for another, and 85,-362 on wooden structures.

Englehart Paving & Const. Co., $89,-908 for two concrete.

Frank L. Smith, $54,000 for one conc. and $80,000 on another; $74,000 for two wood structures.

Frank Bryant, $38,225, one concrete.

Mercer-Fraser Co., $91,900, two wood.

Gildersleeve Const. Co., $79,000 on two or $31,400 on one and $47,600 on another.

West Coast Const. Co., $77,658 for two.

R. McLeran Co., $97,460 for two.

SEATTLE, Wash.—J. A. McEachern Co. Inc., Colman Bldg., Seattle, at $264,-497 submits low bid to Board of Public Works to erect sub-structure of proposed West Spokane St. bridge. Next low, A. W. Quist Const. Co., Hoge Bldg., Seattle, at $273,503. Contract involv. improvement of West Spokane St. by const. foundation for a double-leaf Bascule bridge and 2140 ft. approach spans

LOS ANGELES, Cal.—Until 10 a.m., June 16, bids will be rec. by Harbor Comm., Room 33, City Hall, L. A., for dredging in East Basin and vicinity, involv. 520,000 cu. yds. Spec. 390. Cert. chk. or bond 10%. Guy W. Wade, secty.

RIVERSIDE, Cal.—John F. Knapp, Turlock, submitted low bid to supervisors at $117,400 to const. rein. conc. arch bridge of seven 72-ft. spans across Santa Ana River, known as "Rubidoux Bridge." Ross Constr. Co., Los Angeles, submitted the only other bid at $137,646. Both bids were rejected as too high. Engrs. est., $95,000. This is the second advertisement for bids. On account of certain changes in the plans made necessary by State highway requirements, the original set of plans, together with two new sets, will be submitted to the State Highway Commission for approval before further proceedings are started. The bridge was designed by Houghton and Bonte, engrs., Balfour Bldg., San Francisco.

STOCKTON, San Joaquin Co., Cal.—County Surveyor F. E. Quail preparing spec. for bridge over Dry Creek at what is known as "Ward's Bridge," on boundary of Sacramento County. Type of const. yet to be determined.

YUBA CITY, Sutter Co., Cal.—Supervisors will shortly call bids to construct four bridges to span drainage canals under construction in the Live Oak section.

SALINAS, Monterey Co., Cal.—Until July 6, 10 A. M., bids will be received by T. F. Joy, County Clerk, to construct highway bridge across Salinas river, on Salinas-Monterey road, near Hillstown, Road District 2. Howard Cozzens, County Surveyor.

EUREKA, Humboldt Co., Cal.—Until June 26, 10 A. M., bids will be received by Fred M. Kay, County Clerk, to construct culvert at Carter Creek between Alderpoint and Blocksburg in Road District 2. A. J. Logan, County Surveyor.

ANAHEIM, Cal.—T. E. Hill & Co., Washington Bldg., Los Angeles, awarded contr. at $33,540 by permanent flood control committee of Anaheim to const. levee and a pile of plank and wire dike along the west bank of the Santa Ana River, from 1200 ft. above the Anaheim-Olive Rd. to the trestle of the Santa Fe Ry.'s Richfield-Olive branch, approx. 7850 ft. Work will involve approx. 43,568 cu. ft. embankment, 1065 18-ft. round piles, 100,000 ft. B. M. 2x12-in. treated fir planking, 9180 ft. 50-in. woven wire fencing, 660 ft. 58-in. woven wire fencing, 1130 lbs. 30-penny spikes, and 140 lbs. 4½-in. staples.

SACRAMENTO, Cal.—City Council petitioned to appropriate $30,000 to investigate feasibility of a ship canal for Sacramento. A preliminary report on the project made two years ago placed the cost of constructing a 100-ft. wide canal at $6,500,000.

SANTA ANA, Cal.—J. P. Hunter, Alhambra, was awarded contr. by County Supervisors at $6808 for constructing 200,000-gal. rein. conc. reservoir at Orange Co. Park in 4th Road Dist. Other bids were: Paul H. Ehlers, $7120; Wm. Ledbetter & Co., $7628; Mercereau Bridge & Constr. Co., $7920; R. H. Travers, $8156; E. H. Wall, $11,352.85; J. E. Dundas, excav. only, $1320.

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IRRIGATION PROJECTS

CORNING, Tehama Co., Cal.—Chamber of Commerce has appointed C. D. Hill head of a committee to secure data for the promotion of an irrigation system adjacent to this city, to bring water in the territory bet. the river and the foothills to the west. Water to be taken from Thomes Creek.

MODESTO, Stanislaus Co., Cal.—R. A. Carson Co., 303 Poplar St., awarded contract by Modesto Irrigation Dist. to lay 700 lin. ft. 36-in. pipe in main drain of district on Howard Huls ranch, at $1.45 lin. ft. laying and banding and $98 for sand trap. Percy Jones, Ch. Eng. for Dist.

PHOENIX, Ariz.—Engineering Construction Corp., Pacific Electric Bldg., Los Angeles, awarded contract for construction of irrigating system for Auxiliary Eastern Canal Co. Contract amounts to about $1,700,000. Court decision on validity of $2,000,000 bonds voted by district is awaited to close contract. Howard S. Reed and Sheldon K. Baker, 419-20 Fleming Bldg., Phoenix, Engineers. Plans call for main canal 22 miles long, cement lined, excavation approximately 213,-200 cu. yds.; lateral system 110 miles in length, excavation approximately 171 200 cu. yds.; drilling of 34 new wells approximately 290 ft. in depth, and rehabilitation of 31 wells at present within boundaries of district, all to be equipped and operated by electricity; a main pumping station consisting of four units, capacity 87½ sec. ft. each, to pump the water from the eastern canal of the Salt river project to the head of the canal on the mesa above, under a head of 52 feet.

TURLOCK, Stanislaus Co., Cal.—Chief Engineers Percy Jones of the Modesto and R. V. Meikle of the Turlock Irrigation Districts have been instructed to complete specifications for installing hydraulically operated spillway gates. Estimated cost, $61,836.

LIGHTING SYSTEMS

PASADENA, Cal.—Ord. of inten. adopted by City Directors for const. underground conduits, ducts, laterals, manholes and appurtenances in portions of Brainard and Morgan Alleys; Marengo, Euclid, Los Robles, Oakland, Madison, El Molino Aves.; Oak Knoll, Colorado, Hudson, Lake and Mentor Sts.

VENTURA, Cal.—Residents of Oak St. from Main St. south are starting movement to secure ornamental lights for that street.

LOS ANGELES, Cal.—Ord. adopted by City Council ordering install. of lighting posts and appliances on Hayworth Ave. bet. Selma Ave. and Sunset Blvd., and in N. Main St. bet. Eastlake Ave. and Daily St. 1905 lighting act and 1911 street act.

PASADENA, Cal.—Until 10 a.m. June 15, bids will be rec. by City Directors for construction of ornamental lighting system, including 51 conc. posts, conduits, wires, lamps, and appurtenances, in portions of Grand Ave., Del Rosa Drive, Maylin, Ellis, Arbor, Lockhaven, California Sts., and Palmetto Drive.

Seperate bids to const. ornamental lighting system in El Molino Ave. Work includes 22 conc. posts, conduits, wires, lamps and appurtenances.

BAKERSFIELD, Kern Co., Cal.—City Council plans installation of electrolier system in Chester Ave. between 15th and 25th streets. W. D. Clarke, City Engineer.

FAIRFIELD, Solano Co., Cal.—Until June 13, 8 P. M., bids will be received by Jas. H. Prather, Town Clerk, to install 33 electroliers in Texas St., bet. Taylor and Washington and in Texas St., bet. Taylor and Union Ave. Improvements Act 1911. Specifications may be obtained from Clerk.

MACHINERY

PASADENA, Cal.—Chapman Valve Mfg. Co., Central Bldg., Los Angeles, awarded contract by City Directors at $5013.20 for furnishing gate valves as follows: 5 20-in. at $251; one 20-in. at $290; 18 21-in. at $47.50; 6 10-in. at $34.20; 36 8-in. at $20.50; 100 6-in. at $12.35; 60 4-in. at $7.25; 50 6-in. at $17.50, and 30 4-in. at $11.25. Other bids were: Grinnell Co., $5151.19; Waterworks Supply Co., $5227.80.

PASADENA, Cal.—Pacific Pipe & Supply Co., 1002 Santa Fe Ave., Los Angeles, submitted low bid to city directors for furnishing Class B c. i. pipe as follows: (1) 4512 ft. 20-in. pipe, $50.60 ton; (2) 1200 ft. 8-in. pipe at $50.10 ton; (3) 6000 ft. 4-in. pipe at $54.10 ton; (4) all other items, $93.80 ton. Other bids were: U. S. Cast Iron Pipe & Fdy Co., (1) $50.30; (2) $50.30; (3) $54.30; (4) 5¼c net. American Cast Iron Pipe Co., (1) $51; (2) $51; (3) $55; (4) $105 and $115.

LOS ANGELES, Cal.—Until 3 p.m., June 16, bids will be rec. by Public Service Comm., 207 S. Broadway, for street lighting series transformers. Spec. P-273-196.

Bids, same date, for automatic constant current transformers. Spec. P-273-195. Jas. P. Vroman, secty.

LOS ANGELES, Cal.—Austin Western Road Mchy. Co., 447 E. 3rd St., L. A., submitted low bid to Public Service Comm. at $2351, f.o.b. Laws and $2349 f.o.b. Los Angeles, for furnishing jaw rick crusher. Other bids were: Collins & Webb, Inc., $2980 and $2700 (alternate); Brown-Devis Co., $3050 and $2800; Harron Rickard & McCone, $3024; Worthington Co., $3630; Lidgerwood Mfg. Co., $4430.50; Llewellyn Iron Wks. $4500; American Rd. Mchy. Co., $5250. Bids referred to supply committee.

LOS ANGELES, Cal.—John Edward Ogden Co. of N. Y., submitted only bid to Harbor Comm. for landing equipment forr ferry slip at Berth 234, under Spec. No. 379. The bid was $19,058, with hand operating device, adding $650 for power operated device; begin in 5 days, complete installation in 120 wkg. days. Bid rejected. Work may be done by Harbor Engr. Dept.

GRENADA, Siskiyou Co., Cal.—Until June 21, 1 p.m., bids will be rec. by Victor Bovo, secty. Grenada Irrigation Dist., to const. approx. 6½ miles of telephone line. Fred H. Tibbetts, Alaska Commercial Bldg., San Francisco, engineer. **See call for bids under official proposal section in this issue.**

LOS ANGELES, Cal.—Pawling & Harnischfeger, 530 Central Bldg., submitted low bid to Public Service Comm. at $1875 for one double-drum electric hoist. Other bids were: Llewellyn Wks., $2750; Harron, Rickard & McCone, $3188; Lidgerwood Mfg. Co., $3500; Baker Iron Wks., $1651; Fulton Engine Wks., $4987. Bids referred to supply committee.

DINUBA, Tulare Co., Cal.—Until June 14, 8 p.m., bids will be rec. by C. T. Reagan, city clerk, for fur. one 750-gal. triple comb. pumping engine. Spec. may be had from clerk.

SAN DIEGO, Cal.—City Purchasing Bureau has requested council to adopt ordinance appropriating $6000 for purchase in open market of 1000 ft. 12-in. Class C, 500 ft. 12-in. Class B, and 2000 8-in. Class B, c. i. pipe.

ANAHEIM, Cal.—Until 8 p.m., June 22, bids will be rec. by city clerk for 4000 ft. 4-in.; 4080 ft. 6-in. c. i. water pipe, Class C, in 12-ft. or 5-meter lgths. Also, 2 4-in. Tees, 4 4-in. crosses, 8 6-in. Tees, 4 6-in. crosses, all bells, and 6 6x4x4x4-in. crosses, all bells, and Class D. Cert. chk. or bond, 10%. Edw. B. Merritt, clerk.

SACRAMENTO, Cal.—The $900,000 bond issue voted to finance completion of the Sacramento filtration plant has received the approval of bond experts and the City Commissioners are planning to continue with the work which has been held up pending the approval of the bonds.

SACRAMENTO, Cal.—E. J. Plato has been named city purchasing agent succeeding J. J. Haley who resigned to accept a position with the State Engineering Department.

SAN ANSELMO, Marin Co., Cal.—Marin County Mosors Co., San Anselmo, at $784.25 awarded contract by the Town Trustees for furnishing a tractor.

SAN FRANCISCO—Until June 19, 8:30 p. m., bids will be received by Paul T. Kennedy, secretary, Board of Fire Commissioners, for furnishing and delivering fuel, fuel and lubricating oils, castings, etc., for yr. ending June 30, 1923. Specification will be furnished on request.

OAKLAND, Cal.—Until June 15, 12 M., bids will be received by Eugene K. Sturgis, city clerk, for furnishing and delivering following materials, for yr. ending June 30, 1923: Lumber, Corrugated Iron Pipe, Sewer Pipe, Road Oil, Motor Oil, Fuel Oil, Castings for Coverings to Undergrund Structures, Automobile Tires, Gasoline, Rock and Screenings, Sand, Cement, Repair of Asphalt and Bituminous Pavements, Material for Constructing Corrugated Iron Culverts, Saturated Paper Insulated Lead Covered Combination Cable, Copper Wire, Incandescent Lamps, Coal, Steel Discharge Pipe, Rental of Power Launch or Launches, Piles, Rubber Sleeves for Dredge Pipe, Steel Wire Rope, Cast Chrome and Manganese Steel Cutter Blades, Manila Hemp Rope, Rental of Teams, Iron and Steel Castings for Dredging Pumps, Nails and Spikes, Bolts and Washers, Second-hand Piles, New Creosoted and Untreated Douglas Fir Piles, White Lead in Oil, Shovels, Oak and Iron Bark, Rental of Barge or Barges, Rental and Operation of Machine Shop Equipment. Spec. on file in office of city clerk.

NEWPORT BEACH, Cal.—Following bids rec. for 75-hp. Diesel engine for city pumping sta. by City Trustees, June 5: Standard Gas Engine Co., $5595 (no check); Fairbanks, Morse & Co., $5770; Western Machin. Co., $6500; Shinn-Holtz-Lyon Co., $6270; Madsen Iron Wks., $6700. Bids referred to Paul E. Kressly, City Engineer.

YUMA, Ariz.—Until 10 a. m., June 17, bids will be received by secretary of Yuma county highway commission, Yuma, for one dragline excavator crane, internal combustion engine, caterpillar treads, Page bucket of ½ cu. yd. capacity, f. o. b. Parker, Arizona. Cashier's check, 5%, payable to J. Homer Smith, chairman. A. W. Franklin, secretary.

NAVALENCIA, Fresno Co., Cal.—Until June 26, 8 p.m., bids will be rec. by H. C. Hayden, clerk Navalencia School District, for fur. and del. one 1½-ton truck, chassis only, or one 2-ton truck, chassis only, late model, equipped with elec. starting and lighting system and pneumatic tires. Spec. may be had from clerk.

BAKERSFIELD, Kern Co., Cal.—Until June 22, bids will be received by Harry Sheehan, Clerk, Standard School District, for furnishing and delivering one passenger bus with seating capacity of not less than 20 adult person. Specifications may be had from Clerk.

FELLOWS, Kern Co., Cal.—Until June 17, 7:30 P. M., bids will be received by R. C. Bowman, Principal, Midway Grammar School District, to furnish and deliver one auto bus for transporting school pupils. Specifications may be had from above.

LONG BEACH, Cal.—U. S. Cast Iron Pipe & Foundry Co. has been awarded contract by City Council at about $140,000 for aproximately 2848 tons cast iron pipe and 52 tons of fittings.

SAN LUIS OBISPO, Cal.—Until June 26, 7:30 P. M., bids will be received by Callie M. John, City Clerk, for furnishing and delivering water pump, either new or second hand, with capacity of 500 gals. per minute, to pump against a pressure of 125 lbs. per sq. in. Certified check for 10% payable to Mayor required. Warren B. Burch, Lowe Bldg., City Engineer.

RAILROADS

LOS ANGELES, Cal.—Until 10 A. M., June 16, bids will be received by the Harbor Commission, 33 City Hall, for railroad ties. Specifications 387. Guy W. Wade, Secretary. Certified check or bond, 10%.

FRESNO, Fresno Co., Cal.—Fresno Traction Co., F. W. Webster, General Manager, Carbarn, First Ave., plans extensions of road into residential districts at a cost of approximately $107,000, work to be started within 90 days. Fresno Ave. line will be extended from Belmont to Olive Aves., a distance of one-half mile at a cost of $28,000; Arlington Heights extension, a distance of one and onequarter mile, approximately $79,000. Construction will be done by the company.

FIRE EQUIPMENT

CHICO, Butte Co., Cal.—American Rubber Co. awarded contract by City Trustees to furnish 900 ft. of fire hose at $1 a ft.

WATSONVILLE, Santa Cruz Co., Cal.—City Trustees will purchase 500 ft. of fire hose.

REDDING, Shasta Co., Cal.—City Trustees will call bids for furnishing and delivering a motor fire engine. Estimated cost, $12,000.

REDDING, Shasta Co., Cal.—Until June 19, 5 p.m., bids will be rec. by Leslie Ingram, city clerk, for fur. and del. one 6-cylinder triple combination hose pump and chemical engine, 750-gal capacity against 120 lbs. net pump pressure and one 6-cylinder triple combination hose pump and chemical engine, 1000-gal. capacity against 120 lbs. net pump pressure. Spec. may be had from clerk.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

SANTA CRUZ, Santa Cruz Co., Cal.—Grant-Smith Co., Balboa Bldg., San Francisco, at $28,405 awarded contract by Supervisors for Coast road project, involv. 26,670 cu. yds. excav.; 550 lin. ft. corru. iron pipe; 25,700 lbs. reinf. steel and 265 cu. yds. Class A conc. structures. Other bids: I. L. Ryder, $41,458; C. Miles, $39,886; J. J. McHugh, $38,026; Heafey, Moore & McNair, $32,130; Frank Bryant, $38,965; Harlowe Co., $46841.

MONTEREY PARK, Cal.—Bids will be received about June 26 by City Trustees for the following materials for water system to be built under $225,000 bond issue recently voted: 257 tons 4-in. and 797 tons 6-in. and larger, Class B cast iron pipe; 52,000 lbs. fittings, 25 4-in., 16 6-in., 8 8-in., 8 10-in. and 3 12-in. gate valves, 130 fire hydrants. Bids will be called for later for laying pipe and constructing a 1,000,000 gallon reinforced concrete reservoir. Olmsted & Gillelen, Engineers, Hollingsworth Bldg., Los Angeles.

TRACY, San Joaquin Co., Cal.—Until June 22, 8:30 p.m., bids will be rec. by Geo. L. Frerichs, city clerk, to improve portions of 11th St., as follows:

Bet. Orient and East Sts., involv. 21,000 sq. ft. grading; 26,880 sq. ft. paving; 457 cu. yds. excav. at 161 cu. yds. embankment; cost $9718.

Bet. West Park and city limits, involv. 20,648 sq. ft. grading; 26,748 sq. ft. oil macadam paving; 522 cu. yds. excav. and 271 cu. yds. embankment; cost, $9812.30.

Bet. East St. and West Park, 63,663 sq. ft. grading; 124,570 sq. ft. and 40,989 sq. ft. intersection oil macadam paving; 7622 ft. curb; 5440 cu. yds. excav.; cost $79,261. W. D. Harrington, city eng.

FRESNO, Fresno Co., Cal.—Supervisors reject bids rec. to pave Shaw Ave., unit of county highway system, and no action will be taken regarding the work before October of this year. Bids were: Thompson Bros., Fresno, $102,786; Federal Const. Co. of San Francisco, $103,169; California Const. Co., San Francisco, $105,334. Chris P. Jensen, county surveyor.

SAN DIEGO, Cal.—H. H. Peterson Co., Loma Portal, San Diego, submitted low bid to County Supervisors at (1) $163,792.82, including cement and rock; (2) $121,223.13, county to furnish cement; (3) $96,084, county to furnish both cement and rock; for paving with concrete 5.92 miles highway over Poway grade. Roadway will be 18-ft. wide, 8-in. thick at edges and 5-in. in center. Other bids were:

C. H. Hudson Constr. Co.—(1) $195,979.41; (2) $148,781.14; (3) $125,398.26.

David H. Ryan Constr. Co.—(1) $198,115.55; (2) $164,515.55; (3) $144,115.55.

C. V. Isbell Constr. Co.—(1) no bid; (2) no bid; (3) $144,575.28.

Bids were taken under advisement and County Surveyor George Butler directed to submit recommendation.

Blue Diamond Materials Co. submitted low bid at $1.08 cu. yd. f. o. b. crusher plant for furnishing 8500 cu. yds. crushed rock for the above road work. Fenton-Parker Materials Co. bid $1.55 cu. yds.

Spreckels Bros. Comm'l. Co. was only bidder at $2.95 f. o. b. cars at mills (10% cash discount) for furnishing 14,000 bbls. cement.

PASADENA, Cal.—Until 10 A. M., June 15, bids will be received by City Clerk Bessie Chamberlain for constructing walks on Stanton St., bet. Lincoln and Glen Aves.

Separate bids for grading and oiling Madison Ave. bet. Penn St. and S line of lot 30, Ele Molino Orchard Park Tct.

POMONA, Cal.—Until 2 P. M., June 13, bids will be received by City Council for paving Holt Ave., bet. Park Ave. and Hamilton Blvd., involving 148,500 sq. ft. oiled macadam; 1911 Act.

Separate bids to pave Como Drive, around the Park (Circular drive), involving 60,000 sq. ft. oiled macadam. Work will be done by private contract, city paying 75% and property owners, 25%. F. C. Froehde, City Engineer.

GLENDALE, Cal.—Until 7 P. M., June 8, bids will be received by City Clerk A. J. Van Wie for following street improvement work under 1911 Act:

Maple, Porter, Fischer and E. Windsor Place, involving 3872 lin. ft. grading; 7250 ft. curb; 38,705 sq. ft. sidewalk; 137,700 sq. ft. surfacing and oiling; laying 1916 ft. 6-in. and 2107 4-in. Class B, cast iron water pipe.

Oak St., Central to Kenilworth, involving 2695 lin. ft. grading; 4390 ft. curb; 19,625 sq. ft. sidewalk; 82,002 sq. ft. oiling and surfacing; laying 2688 ft. 4-in. Class B. cast iron pipe.

Dryden and Pitman Sts., involving 1390 lin. ft. grading; 2800 ft. curb; 14,068 sq. ft. sidewalk; 43,700 sq. ft. paving. C. L. Hill, City Engineer.

CARSON CITY, Nevada.—J. H. Causten, Lovelock, Nevada, at $93,027 awarded contract by State Highway Comm. to const. highway in White Pine County from Illipah to Robinson's Summit. Other bids: Nevada Contracting Co., Fallon, Nevada, $99,959; Strange & Vallandingham, Salt Lake City, $116,746.

Phelps Construction Co., Salt Lake City, Utah, at $110,127 awarded contract to construct unit in Elko County bet. Elko and Halleck. Other bids: J. H. Causten, Lovelock, Nev., $137,908; Boyd Bros., Halleck, Nev., $132,772; Johnston, Gillespie, Adamson & Russell, Salt Lake City Utah, $124,407; Chas. H. Mull, Twin Falls, Idaho, $142,938; Reynolds-Ely Constr. Co., Springville, Utah, $135,600; A. D. Kern, Portland, Oregon, $139,443; Dodge Bros. & Dudley, Fallon, Nev., $127,664; Strange & Valladingham, Salt Lake City, Utah, $157,642.

Nevada Contracting Co., Fallon, Nev., at $174,778 awarded contract to const. unit in White Pine County bet. Pancake Summit to Illipah. Other bids: Strange & Vallandingham, Salt Lake City, Utah, $188,714; Dodge Bros. & Dudley, Fallon, Nev., $201,978.

SACRAMENTO, Cal.—Until June 15, 9 p.m., bids will be rec. by H. G. Denton, city clerk, for street work as follows:

Portions of 43rd, 44th, 45th, 46th Sts., and five alleys, by const. sewer, conc. manholes, etc.

Ninth Ave. from sewer in Franklin Blvd. to 33rd St., const. conc. curbs and gutters, plac. drains connected to sewer; const. 10-in. vit. sewer stub; reconst. manhole; ¾in. water main connections; grading and paving with 5½-in. asph. conc.

27th St. bet. Y and Urban Ct., const. conc. curbs and gutters; 1-in. water main connections; reset. gutter drains; grading and paving with 5½-in. asph. conc.

Alley bet. 48th and Discovery Way, from manhole in alley first north of T St. to R, by const. vit. sewer with 6-in. vit. branches; conc. manholes; 6-in. vit. sewer.

Stockton Blvd. bet. 31st and S. P. right of way, and bet. S. P. right of way and 2nd Ave., const. conc. curbs, gutters and walks; c. i. gutter drains with 6-in. vit. sewer connections; conc. manholes; vit. sewer.

13th Ave. bet. E. 44th and E. 45th Sts., by const. vit. sewer; conc. manholes; 45th St. bet. 13th Ave. and pt. 4 ft. south of alley bet. 13th and 14th, by const. vit. sewer with 2 6-in. vit. wye branches; conc. manhole; alley bet. 13th and 14th Aves. 45th and 47th Sts., const. vit. sewer with 32 6-in. vit. wye branches; conc. manholes. Albert Givan, city eng.

CALIFORNIA.—Following are approximate quantities of materials involved in projects for which State Highway Commission will open bids on June 12:

Humboldt County: Bet. Trinidad and Freshwater Lagoon, 16.5 miles grading; 40,000 cu. yds. excav. without classification; 35,000 cu. yds. gravel surface; 880 cu. yds. Class A Port. cem. conc. (culverts and monuments); 4660 lin. ft. 12-in., 2786 lin. ft. 15-in., 2426 lin. ft. 18-in., 778 lin. ft. 24-in. and 202 lin. ft. 30-in. corru. metal pipe; 5 mi. moving and resetting property fences, 432 monuments.

Lassen County: Bet. Johnstonville and Janesville, 8.0 miles, grading; 39,500 cu. yds. excav. without classification; 475 cu. yds. Class A Port. cem. conc. (culverts and monuments); 480 lin. ft. 12-in., 220 lin. ft. 18-in. and 270 lin. ft. 24-in. corru. metal pipe; 68 monuments.

Merced County: Bet. west boundary and San Luis Creek, 8.5 miles; 8.5 miles of grading and 5.1 miles to paved with Port. cem. conc.; 70,800 cu. yds. excav. without classification; 7750 cu. yds. Class A Port. cem. conc. (pavement); 160 cu. yds. Class A Port. cem. conc. (culverts and monuments); 1612 lin. ft. 12-in., 540 lin. ft. 18-in. and 52 lin. ft. 30-in. corru. metal pipe; 2115 lin. ft. guard rail; 218 monuments.

Merced County: Bet. San Luis Creek and Los Banos, 12.2 miles to be paved with Portland cem. conc.; 61,200 cu. yds. excav. without classification; 18,500 cu. yds. Class A Port. cem. conc. (pavement); 391 cu. yds. Class A Port. cem. conc. (culverts and monuments); 804 lin. ft. 12-in., 400 lin. ft. 18-in., 406 lin. ft. 24-in. and 390 lin. ft. 30-in. corru. metal pipe; 414 lin. ft. guard rail; 0.5 miles moving and resetting property fence; 68 monuments.

NOTE—On last two sections named the bidder may, at his option, bid on each section separately or on the two sectionse jointly, or both.

Merced County: Bet. west boundary and Los Banos, 20.7 miles; 20.7 miles to be graded and 17.3 miles to be paved with Port. cem. conc.; 132,000 cu. yds. excav. without classification; 26,250 cu. yds. Class A Port. cem. conc. (pavement); 551 cu. yds. Class A Port. cem. conc. (culverts and monuments); 2416 lin. ft. 12-in., 940 lin. ft. 18-in., 406 lin. ft. 24-in. and 412 lin. ft. 30-in. corru metal pipe; 2529 lin. ft. guard rail; 0.5 miles moving and resetting property fence; 286 monuments.

PHOENIX, Ariz.—Pacific Constr. Co. 16 California St., San Francisco, Calif., awarded contract by State Highway Department at $12,922 for paving one-half mile in city of Mesa to connect with Apache Trail Highway. Work comprises 2 miles bitul. surface on 4-in. bitum, base, 18 ft. wide. Other bids were: Twohy Bros. Co., $13,618.50 for concrete and Ben Pierce on concrete with material furnished by state.

S. E. Rayes, Snowflake, awarded contract at $27,913.50 for paving section 4, of Old Trails highway, 8¼ miles into Holbrook. Other bids were: Cashion & Caldwell, $28,705.79; Richard, Turley & Frost, $31,904.41; W. C. Braley of Claypool entered bids on all four sections with stipulation that he was to be awarded all four sections or more.

Cashion & Caldwell, Phoenix, awarded contract at $25,422.55 for constructing section 3, of Old Trails highway, 8 miles long. Hamblin & Udahl, St. Johns, bid $27,143.72.

Towner Bros., St. Joseph, awarded contract at $22,663.23 for paving section 2 of Old Trails highway, 8 miles long. Other bids were: Cashion & Caldwell, Phoenix, $24,158.32; Richards, Turley & Frost, $28,780.53.

Hunt, Stratton and Larson, Snowflake, awarded contract at $24,285.09 for paving section 1 of the Old Trails highway, between Winslow and 8 miles east. Other bids were: Cashion & Caldwell, Phoenix, $24,944.79; Towner Bros., St. Joseph, $32,245.93.

Twohy Bros. Co., Phoenix, awarded contract at $108,093.50 for paving 4 miles of Apache Trail highway betw. city limits of Mesa and Eastern Canal.

STOCKTON, San Joaquin Co., Cal.—Until June 20, 10:30 a.m., bids will be rec. by A. L. Banks, city clerk, to const. lateral sewers with wye, curved and house branches, manholes with and without automatic flushers in D and E Sts., bet. E. Weber and Linden Rd.; F St., from pt. 125 ft. south of E. Weber to Linden Rd.; Linden Rd. from D to F St.; Rincon Ave. bet. F and east boundary of Fair Oaks [illegible]th; E. Fremont St., E. Lindsay and E. Channel Sts., from Fair Oaks north to east boundary of Fair Oaks north and E. Weber Ave. bet. C and Filbert Sts. 1911 Act. W. B. Hogan, city eng.

OXNARD, Cal. — Southwest Paving Co., 415 Washington Bldg., Los Angeles, awarded contract by City Trustees at $128,363.45 for paving various streets of Oxnard involving 518,000 sq. ft., grading at 3c ft., 320,800 sq. ft. 4-in. asphaltic concrete with 1½-in. asph. concrete surface at 19c ft., 43,340 sq. ft. 4-in. cement concrete base with 1½-in. asphaltic concrete wearing surface at 19c ft., 78,020 sq. ft. 6-in. concrete at 22c ft., 64,230 sq. ft. 5-in. concrete at 19.5c ft., 11,610 sq. ft. 4-in. concrete at 16c ft., 9100 ft. curbs at 50c ft., 26,000 sq. ft. gutter at 25c ft., 5000 sq. ft. walk at 20c ft., culvert extension complete, $40.

SANTA MONICA, Cal.—T. G. Skinner, Thomas Bear and R. C. Blackmore are opening a new subdivision called the Wilshire Blvd. Tract, about thirty acres between Washington and Wilshire Blvds., and 22nd and Chelsea Sts. Paving, walks, curbs, trees, sewers, gas, water, electric wiring will be installed.

SAN PABLO, Marin Co., Cal. San Pablo Sanitary District declares intention to construct 6-in. vitrified sewers in Belmont Ave. between 1st and 4th Sts.; Silver Ave. between 3rd and 4th Sts., First St. between Belmont and Willow; Second, Third and Fourth Sts., between Belmont and Silver; Brick and concrete manholes, wye branches, etc. Protests June 16. Ross L. Calfee, 221 S. 22nd St., Richmond, Engineer for District

SAN JUAN, San Benito Co., Cal.—Until June 13, 8 P. M., bids will be received by W. E. Hodges, Town Clerk, for laying 1000 ft. water pipe. E. P. McCray, Town Engineer.

SACRAMENTO, Cal. — Supervisors petitioned to const. highway bet. Haggin Grant Hotel and Elvas, providing another northern approach to Sacramento. Drury Butler, county surveyor.

CALIFORNIA.—Until July 3, 2 p.m., bids will be rec. by State Highway Commission, Forum Bldg., Sacramento, for projects as follows:

Santa Barbara County: Bet. Canada de las Llagas and Los Chiqueros Creek, 10.8 mil., to be paved with Port. cement conc. shoulders and asph. conc. wearing surface.

Orange County: Bet. east boundary and San Juan Creek, 8.8 mil.,—3.2 mi. to be paved with Port. cem. conc. and 5.6 mi to be paved with Port. cem. conc. shoulders and an asph. conc. wearing surface.

See call for bids under official proposal section in this issue.

SEATTLE, Wash.—Paving of Olive Way and other streets will cost $194,524, according to estimates compiled by the Board of Public Works.

MERCED, Merced Co., Cal.—California Const. Co., 58 2nd St., San Francisco, at $263,900 awarded contr. by Supervisors to const. asph. pavement, incl. grading and shaping of sub-grade on roads in Road Imp. Dist. No. 2.

SACRAMENTO, Cal.—Clark & Henery Const. Co., Ochsner Bldg., awarded contract by City Comm. to imp. 41st St. bet. B and H; const. conc. curbs and gutters, c. i. c. gutter drains; reconst. conc. manholes; const. 8-in. vit. sewer bet. D and F Sts., with 6-in. wye branches; extend sewer services; ¾-in. water main connections; grading and paving with 5½-in. asph. conc.

Clark & Henery awarded contr. to imp. 39th St. bet. H and pt. 1522 ft. north; const. conc. curbs and gutters; c. i. gutter drains; const. and reconst. manholes; const. 8-in. vit. sewer with 6-in wyes; ¾-in. water main connections; grading and paving with 5½-in. asph. conc.

SACRAMENTO, Cal.—City Comm. declare inten. (1651) to imp. 43rd St. bet. 4th and Rose Ave., Tract No. 2: Conc. curbs and gutter, c. i. gutter drains; conc. manholes; reconst. manholes; extend 6-in. vit. sewer services; const. 8-in. vit. sewer; ¾-in. water main connections; grading and pav. with 5½-in. asph. conc.

(1652) 41st St. bet. B and D Sts.: Const. vit. sewer; conc. manholes; B St bet. 41st and La Purissima Way; vit with 6-in. wyes; extend. sewer services; conc. manholes; 43rd St. from B St., prod. west to center line of B St., prod. east by const. vit. sewer; C St. bet. 41st and La Purissima Way, const. vit. sewer with 6-in. wyes; extend 6-in. vit sewer services; conc. manholes, D St. bet. 41st and La Purissima Way; vit sewer with 6-in. wyes; extend. 6-in vit. sewer services; conc. manholes, 42nd St. bet. D and E Sts., const vit. sewer with 6-in. vit. sewer services.

(1650) 38th St. from manhole in 12th Ave to pt. 620 ft. south therefrom by const vit. sewer with 6-in. wye branches conc. manhole.

(1649) Q St bet. 2nd and 23rd, except certain intersections, by remov. conc. curbs and gutters where not to grade and reconst. same; reconst. catch basins; paving with 2-in. asph. conc Albert Givan, city eng.

EUREKA, Humboldt Co., Cal.—No bids received by the Supervisors to construct one and one half mile of fencing along the highway through Blair Redwood Ranch and work ordered done by day labor A J Logan, County Surveyor.

OAKLAND, Cal.—Until June 15, 12 M. bids will be received by Eugene K Sturgis City Clerk, to improve E-28th St. between 25th Ave and point 314.02 feet west by grading, constructing concrete curbs and gutters and walks; paving with oil mixed in.

Separate bids to improve portions of Eleventh street by constructing concrete curbs and gutters, paving with asphaltic concrete. 1911 Act. W W. Harmon, City Engineer.

ST. HELENA, Napa Co., Cal.—C. J. Corcoran named by city trustees as superintendent of municipal water system. Improvements costing $10,000 are to be made on system.

SANTA BARBARA, Santa Barbara Co., Cal.—City Council declares intention to improve portions of Grand and Bonita Aves., by grading, paving with 5-in. concrete; constructing curbs, walks, catchbasins, concrete headwalls, concrete driveways, rubble masonry walls, 6-in. vitrified pipe sanitary sewers, and 4-in. house sewers, 1911 Act.

SAN JOSE, Santa Clara Co., Cal.—City Council, John J. Lynch, clerk, declares inten. to improve Orchard St bet. Balbach and Grant Sts., by regrading, paved with 4-in. asph. conc. base with 2-in. asph. conc. surface; conc. curbs and gutters; 9 br. catch basins. Wm. Popp, city eng.

CALIFORNIA.—Following bids rec. June 5 by State Highway Comm. to pave 5.8 mi. in **Orange County** bet. Irvine and Tustin, involv. 10,950 cu. yds. Class A conc., and 590 cu. yds. removal of broken concrete in existing base, the Comm. to furnish rein. steel, cement and sand and course aggregate:

Geo. H. Oswald, Los Angeles	$44,727.50
Basich Bros. Co., Los Angeles	51,764.50
F. W. Teschke, Long Beach	52,139.00
Graham Bros. & Bruce, Long Beach	55,130.00
Wells & Dressler, Santa Ana	56,763.50
C. H. White, Long Beach	55,382.50
H. H. Peterson, San Diego	58,920.00
H. H. Llenau, Redlands	60,815.00
Southwest Paving Co., L. A.	60,015.00
Kaiser Paving Co., Oakland	62,390.50
Gillon, Patterson & Downs, Los Angeles	62,500.00
Geo. R. Curtis, Los Angeles	$69,027.50

Engineer's estimaate, $67,827.50.

YUMA, Ariz.—Until 10 a. m., June 17, bids will be received by secretary of Yuma county highway commission, Yuma, for 2500 sacks of Portland cement, in 600-sack carloads, f. o. b. Yuma. Cashier's check, 5% payable to J. Homer Smith, chairman. A. W. Franklin, secretary.

REDDING, Shasta Co., Cal.—City Manager E. A. Rolison estimates the cost of paving South Market street, and the terminus of state highway at $17,000; 18 and 15 ft. wide pavement.

LOS ANGELES, Cal.—Otto Hanson, 653 22nd St., San Pedro, submitted low bid to Harbor Comm., at 36c cu. yd., for grading and excav. 118,000 cu. yds. at terminus of outer harbor blvd. Other bids were: Warren Constr. Co., 43c; C. H. Hudson, 44c; W. D. McCray, 44c; C. R. Butterfield, 44.5c; C. A. Edwards, 50c; Frank H. Greene, 56c; J. A. Costello, 58c; Geo. Pollock, 64c; Channel Constr. Co., 68c; Francisco & Ellington, 70c. Asst. Harbor Eng. Ludlow has recommended to Harbor Comm. that work be awarded to low bidder.

YUMA, Ariz.—Until 10 a. m., June 17, bids will be received by secretary of Yuma county highway commission, Yuma, for 30,000 lbs. ⅝-in. dia. reinf. steel of standard make and Spec. No. A-15-14; f. o. b. Yuma. Cashier's check, 5% payable to J. Homer Smith, chairman. A. W. Franklin, secretary.

SAN JOSE, Santa Clara Co., Cal.—County Surveyor I. J. Ryder preparing specification to improve Washington Street, in town of Santa Clara.

WOODLAND, Yolo Co., Cal.—Henry Hazeban submitted only bid to city trustees, which was rejected and new bids ordered up to June 19, 8 p.m., to improve Walnut st. bet. Cross and Oak; Cleveland bet. Pendegast and Main; Oak bet. McKinley and Walnut; Oak bet. 2nd and 4th; 2nd bet. Pendegast and Marshall; Bartlett bet. 2nd and College; Marshall bet. 2nd and 1st, including all intersec., by grading, const. hyd. conc. curbs and gutters. 1911 Act.

Separate bids, same date, for similar improvements in Elliott St. bet. Walnut and College; Locust bet. Elliott and Clover; Elm bet. Clover and Court; North bet. Walnut and Elm and bet. 3rd St. and pt. 80 ft. west of East St.; Clover St. bet. College and 4th; 4th bet. North and Main; 5th bet. Clover and North, including all intersections. 1911 Act. Asa G. Proctor, city eng. J. Laugenour, city clerk.

SAN ANDREAS, Calaveras Co., Cal.—E. M. Whipple, 920 Taylor St., San Francisco, at $11,320 submits low bid to supervisors to improve approx. 15,840 fe. of North Fork Grade Rd. bet. North Fork and Mokelumne River and the town of West Point. Other bids: John Fortz, West Point, $12,075; E. M. Matson and Fred Patison, West Point, $11,328. Taken under advisement. W. S. Coulter, county surveyor.

HANFORD, Kings Co., Cal.—County Surveyor Roy May is preparing specifications for surfacing 1¼ **miles of** Hanford-Laton highway through P. V. Phillips and Geo. Aydelott ranches.

SANTA CRUZ, Santa Cruz Co., Cal.—Until June 26, 5 p.m., to be opened June 27, 9:30 a.m., bids will be received by S. A. Evans, city clerk, to improve portions of Errett Circle, California, Younglove and Woodrow avenues, involving:

192,649.15	sq. ft. concrete pavement;
2,730.17	lin. ft. detached concrete curb;
4,047.66	lin. ft. standard concrete sidewalk curb;
4,800.93	sq. ft. concrete sidewalk;
12	lin. ft. concrete driveway approach, incl. 5 9/16-in. by 18-in. corru. metal driveway culvert;
341,611.92	sq. ft. grading (incl. grading to finished grade and grading to sub-grade); 3983 cu. yds. of cut and 1086 cu yds. fill;
2	sanitary sewer manholes;
787	lin. ft. 6-in. sewer pipe;
14	6-in. wye branches;
3,510	lin ft. 4-in. sewer laterals;
96	hand hole traps complete;
13	taps to be made in present water main;
244.00	lin. ft. 24-in. drain pipe;
1,778.47	lin. ft. 18-in. drain pipe;
665.66	lin. ft. 15.-in. drain pipe;
1,371.00	lin. ft. 12-in. drain pipe;
711.00	lin. ft 10-in. drain pipe;
14	storm water drain manholes;
736	lin. ft. Type A, 5¼-in. x 18-in. part circle corru. metal-concrete culverts;
657	lin. ft. Type B, 5¼-in. x 18-in. part circle corru. metal concrete culverts.
61	lin. ft. Type C, 5¼-in x 18-in. part circle corru. metal concrete culverts;
58	lin. ft Type E, 5¼-in. x 12 in. part circle corru. metal concrete culverts;
100	lin. ft. Type A, 4-in. x 8-in. part circle corru. metal concrete culverts;
33	No. 1 concrete catchbasins;
18	No. 2 concrete catchbasins.

Work under Improvement Act of 1911. James K. James is City Engineer.

Copies of plans and specifications on file in office of Building and Engineering News, 500 Mission St., San Francisco, where they may be seen by interested parties.

WOODLAND, Yolo Co., Cal.—Due to protests, City Trustees postpone indefinitely proposed improvement of Oak Ave. bet. College and 4th; Oak Ave. bet. Elm and Walnut, and Walnut bet. Oak and Cross; Walnut bet. Main and Elliott, by grading, paving with 3-in. asph. conc. base with 2-in. asph. conc. surface. Asa G. Proctor, city eng.

SALINAS, Monterey Co., Cal.—City Council plans paving North Main St., with conc. or asphalt pavement; estimates will be submitted at next meeting. City Eng. Donald Davies preparing spec. to improve Soledad St. from Gabilan St. north through Chinatown with waste rock; also in Avenues A, B and C.

LOS ANGELES, Cal.—J. G. Beckjord, 718 San Fernando Building, submitted low bid to supervisors, at $18,450 for constructing disintegrated granite pavement grading and incidental work on streets in Road Imp. Dist. No. 218. Roads to be improved are Hawthorne Avenue between L. A. and Redondo Rd. and Dominguez Street and a portion of Dominguez street, 6118 lin. ft. Est. contract price, $18,727.70. Work will require 9197 cu. yds. excav., 13,838 sq. yds. shaping roadbed, 13,838 sq. yds. placing surface and 4612 tons disintegrated granite. Other bids were: W. D. McCray, $19,440; J. A. Costello Jr., $20,119; Geo. R. Schmidt, $20,490.

MERCED, Merced Co., Cal.—Until June 19, 8p.m., bids will be rec. by W. W. Cornell, city clerk, to improve: (1) 22nd St. bet. O and P by grading, paving with 3½-in. asph. conc. base, with 1½-in. Warrenite-bit. wearing course with seal coat, conc. curbs. (2) Alley in Block 128 by grading, paving with 2½-in. asph. conc. base, with 1½-in. Warrenite-bit. wearing course with seal coat, wooden curbs. (3) 23rd St. bet. H and G Sts., incl. intersec. of H St., by grading, paving with 3½-in. asph. conc. base with 1½-in. Warrenite-bit. wearing course with seal coat, conc. curbs, c. i. culverts with hyd. conc. bases. All under 1911 Act and 1915 Bond Act. C. D. Martin, city eng.

STOCKTON, San Joaquin Co., Cal.—County Surveyor F. E. Quail preparing spec. to pave 3 blocks in Central Ave. from Lodi city limits to Kettelman Lane.

STOCKTON, San Joaquin Co., Cal.—C. O. Holden, 433 E. Locust St., Lodi, at $4690 awarded contract by supervisors to improve portion of W. H. Buttrick Rd. on Staten Island.

RICHMOND, Contra Costa Co., Cal.—City Council, A. C. Faris, clerk, petitioned to pave with asph. conc. and sidewalk Macdonald Ave. bet. 23rd St. and San Pablo Ave. H. D. Chapman, city eng.

LOS ANGELES, Cal.—Fairchild-Gilmore-Wilton Co., L. A. Ry. Bldg., L. A., awarded contr. by Board of Public Works at $66,980.50 for paving Palos Verdes St. bet. 14th and 17th Sts., and portions of other streets, involv. 202,585 sq. ft. grading at 4c ft; 200,447 sq. ft. asph. paving at 22.8c ft.; 2138 sq. ft. conc. paving at 22.8c ft.; 590 ft. curb at 70c ft.; 5216 sq. ft. walk at 22c ft.; 10,155 sq. ft. conc. gutter at 24c ft.; storm drain complete, $3800; sanitary sewer complete, $800; 2350 ft. house sewers at $1.60 ft.; realigning cem. curb at $330 (lump sum). Engineer's. est, $69,071.23.

HANFORD, Kings Co., Cal.—Supervisors petitioned to provide funds in coming budget to complete paving of 2¾ mi. of road to connect county highway system with Kings County bridge over Kings River. Roy May, county surveyor.

NAPA, Napa Co., Cal.—City Council rescinds res. of int to improve 2 blocks of Yajome St. and a portion of Jackson St., and has instructed City Eng. H. A. Harold to prepare spec. for paving the street with asphalt, for its entire length, from Lincoln Ave. to Caymus St., excepting the intersections of Napa and Jackson Sts.

EUREKA, Humboldt Co., Cal.—Supervisors order bids called to const. 1½ mi. of road along Van Duzen River, opposite Blue slide, to connect with bridges to be const. at ends of slide. A. J. Logan, county surveyor.

FRESNO, Fresno Co., Cal.—County Surveyor Chris P. Jensen preparing spec. to const 5 mi. of highway on the Kingsburg-Sanger highway road.

HOLLISTER, San Benito Co., Cal.—Bids rec. June 3 by Supervisors to improve various roads rejected and new bids ordered rec. to be opened June 21, 2 p.m. Work to consist of regrading and surfacing with asph. the following roads:

1. San Juan and Watsonville Rd., distance 8800 ft., area 105,600 sq. ft.
2. Old San Juan and New Idria Rd., distance 5000 ft., area 60,000 sq. ft.
3. Buena Vista Rd., 7440 ft., 89,280 sq. ft.
4. San Justo and Tres Pinos Rd.: 5200 ft., 62,400 sq. ft.
5. Hollister and Tres Pinos Rd.: 12,283 ft., 196,528 sq. ft.
6. San Felipe, Fairview and Township Rd., 2800 ft., 33,600 sq. ft.
7. Hollister and Gilroy Rd., 3200 ft., 38,400 sq. ft. Total distance, 44,723 ft.; total area, 585,808 sq. ft. W. A. Winn, county surveyor.

EUREKA, Humboldt Co., Cal.—Supervisors have ordered bids rec. to const. culvert at Carter Creek, bet. Blocksburg and Alderpoint. A. J. Logan, county surveyor.

SAN JOSE, Santa Clara Co., Cal.—Until July 3, 11 a.m., bids will be rec. by Henry A. Pfister, county clerk, to improve First St. and Bodfish Mill Rd., in Super. Dist. 1. Irving J. Ryder, county surveyor.

HERMOSA BEACH, Cal.—Until 8 p. m., June 19, bids will be rec. by city trustees for improving Loma Dr. bet. Park and Manhattan Aves., by paving with full oil protective coat; const. 2x12-in. redwood headers. Vrooman Act. V. A. Staheli, city eng.

STREET WORK CONTRACT LET

MARTINEZ, Contra Costa Co., Cal.—James T. Sayles, Martinez, at $47,692 awarded contr. by city trustees to improve portions of Main, East Main, Ward, Thompson, Mellus, Willow, Highland Ave. and Huntington Court, etc., by grading and paving, const. corru. metal culverts, conc. curbs and gutters, br. and cement catch basins; 4, 6 and 8-in. sewers. Various types of pavement are included in the work: waterbound macadam, conc. and asph. conc. base with Warrenite-bitul. surface. Other bidders were: Warren Const. Co., $52,514; Hugh Crummey, $50,089.

INGLEWOOD, Cal.—Until 8 p.m., June 19, bids will be rec. by Board of Trustees for improving Market St. bet. Pimiento St. and Redondo Ave., by paving with 6-in. conc., const, rein. conc. culverts. Vrooman Act. Otto H. Duelke, city clerk.

SAN MATEO, San Mateo Co., Cal.—C. J. Lindgren, Hillsborough, submits only bid to trustees to imp. portions of B, Laurel, 5th, 6th, 7th, 8th and 9th Sts., involv. 6000 lin. ft. comb. conc. curbs and gutters; 41,500 sq. ft. art. stone walks; 200 lin. ft. conc. curb; 60 lin. ft. conc. gutter; 3 conc. catch basins; 2000 sq. ft. driveway approaches. Bid taken under advisement. G. Stanley Whitehead, city eng.

LODI, San Joaquin Co., Cal.—Clark & Henery Const. Co., 38 S. Sutter St., Stockton, bidding 2c sq. ft. grading and 18½c sq. ft. paving, awarded contr. by trustees to improve: (1) Oak St. bet. Hutchins and west city limits, incl. street and alley intersections; (2) Rose St. bet. Locust and Elm, Elm and Oak to Sargeant Road; (3) Cordier St. bet. Locust and Elm; Elm to Oak, Walnut to Sargeant Rd.; (4) Locust St. bet. Hutchins and Schroeder Tract; all by grading, const. conc. curbs and gutters, paving with 2½-in. asph. conc. base with 1½ in Warrenite surface.

OAKLAND, Cal.—District offices of Warren Bros. Co. have been moved from Rialto Bldg., San Francisco, to 2779 Poplar St., Oakland.

SAN FRANCISCO.—Until June 21, 3 p.m., bids will be rec. by Board of Public Works to const. sewer in Great Highway frrom Noriega St. southerly; est. cost, $13,000. Involves: 618 lin. ft. 3-ft. x 4-ft. 6-in. and 140 lin. ft. 2-ft. 6-in. x 3-ft. 9-in. rein. conc. sewer; 44 lin. ft. 21-in. vit. pipe sewer; 3 conc. or br. manholes for conc. sewer and 1 br. manhole for vit. sewer; 1 taper connection; 500 lin. ft. 8-in. and 360 lin. ft. 10-in vit. pipe underdrain. Spec. may be had from City Engineer M. M. O'Shaughnessy, 3rd floor, City Hall.

LOS ANGELES, Cal.—Until June 14 bids will be rec. at office of G. W. Tuttle, civil eng., 532 Mason Bldg., for street work in new subdivisions as follows:

Scarifying and oiling about 111,600 sq. ft. in 15-acre tract at NE cor. Hollenbeck and Camulos Sts.. Work to be done under city spec. Ord. 40,160.

Grading and oiling about 59,000 sq. ft. in 20-acre tract at NE cor. Hillhurst and Franklin Aves., Hollywood. Work to be done under city spec. No. 125. Contract will be let soon for curb and sidewalks.

Grading, scarifying and oiling about 10,800 sq. ft. streets in 45-acre tract at Shorb and Central Aves., outside city. Curbs will probably be put in later.

OAKLAND, Cal — Hutchinson Co., Hutchinson Bldg., Oakland, awarded contr. by council to improve 85th Ave. bet. E. 14th and E Sts., grading, $0.45; concrete curb, $0.70; gutter, $0.26; oil macadam pavement, $0.115; cement walks, $0.16; 8x24-in. corru. iron and conc. culvert, $4.00; wood culvert, $2.40; c. i. handhole, $27.

SANTA BARBARA, Santa Barbara Co., Cal.—Until 7:30 P. M., June 12, bids will be received by City Clerk S. E. Taggart, for improving Prospect Ave., bet. Valerio St. and Las Piedras Addition, by grading, paving with 4-in. concrete; constructing concrete curbs, walks, two manholes. 1911 Act. Geo. D. Morrison, City Engineer.

BAKERSFIELD, Kern Co., Cal.—Worden, Wimmer & Jones, 214 Brown Bldg., Bakersfield, awarded contr. at about $29,153.36 for paving with conc. county road lying west of Taft in road dist. No. 4., involv. 57,601 sq. ft. 8-in. conc. at 40c ft.; 19,103 sq. ft. 6-in. conc. at 32c ft. Grading about 1580 cu. yds. excav and 300 cu. yds. borrow, included in above items. Paul E. Kressly, consulting eng., H. W. Hellman Bldg., Los Angeles.

HEALDSBURG, Sonoma Co.,—Town Trustees will call election to vote bonds of $10,000 to purchase sewer and water mains, the laying of which will be paid from General Fund.

EUREKA, Humboldt Co., Cal.—Until June 26, 10 A. M., bids will be received by Fred M. Kay, County Clerk, to construct 1½ miles of wagon road at Blue Slide near Strong's Station on the Van Duzen river, Road District 2. A. J. Logan, County Surveyor.

LONG BEACH, Cal.—Council declares intention to construct Class B concrete curbs 5-ft. walks, oiled macadam paving on Gaviota Ave., between Tenth St. and 600 ft. north, 1911 Act. Also Alley west of American Ave., extending S from 16th St., bet. 16th St. and 150 ft. south by paving with 4-in. concrete and bitum. protective coat. 1911 Act.

Gardenia Ave. bet. 10th and 11th Sts., by grading, paving with 5-in. concrete, consisting of 5 ft. walks, concrete curbs. 1911 Act.

STOCKTON, San Joaquin Co., Cal.—C. O. Holden, 433 E. Locust St., Lodi, at $4690 awarded contract by Supervisors to improve Buttrick Rd. on Staten Island, involv. fur. and plac. 1400 cu. yds. crushed rock. Other bids: C. E. Johnston $6410; Collins & Serpa, $5600.

SAN DIEGO, Cal.—California Const. Co., 528 Granger Bldg., San Diego, submitted low bid to city council for paving Grape St. bet. 5th and Atlantic Sts., involving 143,794 sq. ft. 1½-in. asph. conc. paving on 2-in. asph. conc. base at 16c ft., 20,859.3 sq. ft. 4-in. conc. pavement at 22c ft.; 1318.68 ft. conc. curb at 80c ft.; 18 lin. ft. curb removed at 10c ft.; 126 sq. ft. walk removed at 5c ft.; 126 sq. ft. walk at 22c ft.; conc. inlets and outlets, pipe culverts, etc. complete, $420. Other bids were: Fairchild-Gilmore-Wilton Co., $33,163.09; G. R. Daley, $34,708.97.

V. A. Olsen, 4153 Florida St., San Diego, low bidder to pave State St. bet. Quince and Redwood Sts., involv. $770.05 sq. ft. 4-in. conc. paving at 27.5c ft.; 404.88 lin. ft. curb at 73c ft.

G. R. Daley, 4430 Boundary St., San Diego, low bidder at 16.1c sq. ft. for paving Third St. bet. Walnut and University Aves. with 1½-in. asph. conc. surface on 2½-in. asph. conc. base, approx. 97,712.28 sq. ft.

G. R. Daley, 4430 Boundary St., San Diego, low bidder at $32,889 for paving Herman Ave. bet. University and Thorn Aves., with 1½-in. asjh. conc. surface on 3-in asph. conc. base, involv. approx. 135,673.04 sq. ft. paving at 18c ft.; 6451.24 ft. conc. curb at 65c ft.; removal of 3512.62 ft. curb at 5c ft; 11,137.62 sq. ft. walk at 22c ft; 382.7 sq. ft cem. mortar top on existing walk at 15c ft; conc. pipe culverts, catch basins, etc., complete, $1592. Other bids were: California Constr. Co., $33,304.56; Fairchild-Gilmore-Wilton Co., $33,389.24. Bids referred to City Eng. F. A. Rhodes.

EUREKA, Humboldt Co., Cal.—City Engineer Harry H. Hannah completing specifications for $10,000 worth of sewer improvements. Council petition to construct sewer in East avenue bet. 13th and 16th Sts.

AZUSA, Cal.—J. L. Wilson, Azusa, submitted only bid to City Trustees at $15,000 for paving portions of Dalton St. and Angeleno Ave., involving approximately 21,500 sq. yds. oiled macadam. The bid was rejected as too high and City Engineer recommended work to be done by city.

STOCKTON, San Joaquin Co., Cal.—Until June 27, 10:30 A. M., bids will be received by A. L. Banks, City Clerk, to construct lateral sewers with wye, curved and house branches, manholes with and without automatic flushers in North street between Madison and Edison streets. Improvement Act 1911. W. B. Hogan, City Engineer.

REDWOOD CITY, San Mateo Co., Cal.—W. J. Tobin, 527 Santa Ray Ave., Oakland, awarded contract by Trustees to improve Sequoia avenue, bet. Oak and Redwood Ave., 6-in. vitrified sewer, 56c lin. ft.; 4-in. vitrified sewer, 50c lin. ft.; 6 4-in. vitrified wyes, 50c eac.

PASADENA, Cal.—Municipal Water Dept. will lay a 20-in main on East Colorado St. bet. Euclid and Mentor Aves. Est. cost, $50,000. A 12-in. gas main will be laid in the same street east of Marengo by L. A. Gas and Elec. Corp. Conduits will also be laid by Home Telephone Co. to complete necessary work before pavement is closed and surface laid.

WATSONVILLE, Santa Cruz Co., Cal.—Granite Const. Co., Watsonville, awarded contract by trustees to improve California St. bet. Sudden and Lincoln, grading, 27c; macadamizing, 15½c; asphaltic oil, 2¾c; conc. curb, 75c; conc. gutters, 25c.

COLUSA, Colusa Co., Cal.—City Trustees decide to const. one mile of concrete sewer this year to be financed through general fund. Another mile of sewer will be constructed next year. A. Proctor, city eng.

SALINAS, Monterey Co., Cal.—Until July 6, 10 A. M., bids will be received by T. P. Joy, County Clerk, to construct portion of Robinson Canyon road from King City 179 plus 00 and extending to King City 232 plus 00, in District 5. Howard Cozzens, County Surveyor.

CALIFORNIA.—As previously reported, bids will be rec. by State Highway Comm., Forum Bldg., Sacramento, until June 19, 2 p.m., to grade and pave with Port. cem. conc. 10.7 mi. of highway in **Siskiyou County** bet. Upton and Shasta River. Project involves (1) 25,000 cu. yds. excav. without classification; (2) 16,300 cu. yds. Class A Port. cem. conc. base (reinforced); (3) 25 cu. yds. Class A Port. cem. conc. (culverts); (4) 60 lin. ft. 12-in., (5) 20 lin. ft. 18-in., and (6) 20 lin. ft. 24-in. corru. metal pipe. Alternative item: (7) 19,450 cu. yds. Class A Port. cem. conc. base (not reinforced). Alternate Item 7 is to be considered as alternative for Item 2 and may be employed in lieu thereof if the Commission shall so elect. Comm. will furnish rein. steel. corru. metal pipe and cement.

SACRAMENTO, Cal.—J. W. Terrell, 1111 29th St., awarded contract by Council to improve alley first south of 36th St., from manhole in V St. to Stockton Blvd., by const. 6-in. vit. sewer with wyes; remov. pavement from and repairing strip across T St.; const. manholes.

T. M. Burns, 2207 N St., awarded contract to improve alley bet. B and C from manhole 15 ft east of 12th St. to 11th St., by const. 6-in. vit. sewer with 16 wye branches; 1 conc. manhole and 1 6-in. vit. flusher branch. Albert Givan, city eng.

OAKLAND, Cal.—City Council, Eugene K. Sturgis, clerk, declares inten. to const. 8-in. vit. sewer, 3 br. manholes, etc., Coleman Ave. bet. Trenor and Diana Ave. 1911 Act. Protests June 22. W. W. Harmon, city eng.

MARYSVILLE, Yuba Co., Cal.—Warren Constr. Co., Rialto Bldg., San Francisco, awarded contract by Council to improve 5th St. between B and D; 6th St. between C and A; D St. between 5th and 9th, except intersections, and north half of 5th St. between B and C; and south half of 6th between B and C; removing 83 lin. ft. brick curb; placing 48 ft. 6-in. sewer pipe; constructing 2 catchbasins; concrete curb and gutter; grading and paving in D St. bet. 8th and 9th, and 6th St. bet. A and B, with 3½-in. bt. base and 1½-in. Warrenite-bit. surface, and in 6th St. bet. B and C, and 5th St. bet. B and D, and D St. bet. 5th and 8th, with a 2½-in. bit. base and 1¼-in. Warrenite-bit. surface. Bid, $0.218 sq. ft. 5-in. pavement; $0.18 sq. ft. 4-in. pavement; grading, $0.013 sq. ft.; curb, 60c lin. ft., gutter 28c sq. ft.

OAKLAND, Cal.—City Council, Eugene K. Sturgis, Clerk, declares intention (Res. 24020) to improve 41st Ave., bet. E-14th and E-12th Sts., by grading, constructing concrete curbs and gutters and paving with oil macadam. 1911 Act. W. W. Harmon, City Engineer.

OAKLAND, Cal.—Oakland Paving Co., 5000 Broadway, awarded contract by Council to improve 14th St. bet. Market and Poplar: Grading, $.0425 sq. ft.; concrete curb with steel guard, $1.00 lin. ft.; concrete curb without gaurd, 72c lin. ft.; concrete gutter, 27c sq. ft.; asphaltic concrete pavement, 27c; manhole, $100 each; catchbasin, $30 each; 10-in. pipe conduit, $2 lin. ft.

MARYSVILLE, Yuba Co., Cal.—Until June 10, 8 P. M., bids will be received by Edw. B. Stanwood, City Clerk, to repair approach to Feather River bridge. Plans may be had from engineers Cope-Rand-Means Co., 58 Sutter St., San Francisco, on deposit of $25, returnable.

SAN FRANCISCO.—Board of Public Works awards contracts for street work as follows:

City Const. Co., $7166 to imp. Anderson Ave. bet. Cortland and Eugenia Aves., Peter McHugh, $7620 to imp. 46th Ave. bet. Cabrillo and Fulton; J. J. McHugh, $14,247 to imp. Ulloa St. bet. 15th and 17th Aves.

PACIFIC GROVE, Monterey Co., Cal.—Until June 21, 8 P. M., bids will be received by E. S. Johnston, City Clerk, to construct tennis court in West El Carmelo Park. Specifications on file in the office of the clerk.

VALLEJO, Solano Co., Cal. **(Official).**—The Vallejo Emergency Water Supply Association plans to uncouple and remove 10,200 feet of 8-inch National standard screw pipe which was used by the United States Navy to discharge the water from the Rockville Pumping plant. Separate bids will be received for the uncoupling of this pipe and for the removal of the separate lengths of pipe and fittings to the Southern Pacific right of way near Soscol, where it will be relaid at later date;

Proposals are requested for the performing of this work and must be submitted to S. J. McKnight, Secretary on or before 10:00 a.m. Monday, June 12, 1922. Copies of specifications can be secured from S. J. McKnight, 421 Sacramento St., Vallejo.

VISALIA, Tulare Co., Cal.—Supervisors petitioned to construct road extending east from Blankenship ranch on the Santa Fe south of Visalia to the Jungwrith ranch in the Union District, connecting with the old Farmersville road at the northeast corner of Jungwirth ranch. Laurence Moye, County Surveyor.

REDWOOD CITY, San Mateo Co., Cal.—City Trustees, W. A. Price, Clerk, declears intention (No. D-6) to improve portions of Brewster avenue, Myrtle and Southgate streets, and Opal avenue, etc., by constructing 6 and 8-in. vitrified sewers and 4-in. tile lateral sewers, brick manholes, etc. 1911 Act. Protests June 26. C. L. Dammitt, City Engineer.

SAN JOSE, Santa Clara Co., Cal.—Until June 19, 8 p.m., bids will be rec. by John J. Lynch, city clerk, to imp. 17th St. bet. Empire and Rosa, by grading, paving with 3½-in. asph. conc. base with 2-in. Warrenite-bit. surface; asph. conc. header; conc. curbs, gutters and walks; 8 br. catch basins and 8-in. vit. pipe drains. 1911 Act and Bond Act 1915.

Separate bids, same date, to imporve 14th St. bet. Williams and pt. 963.15 ft. south, by grading, paving with 3-in. asph. conc. base with 1½-in. Warrenite-bit. surface; conc. curbs, gutters and walks. 1911 Act and 1915 Bond Act. Wm. Popp, city eng.

SAN JOSE, Santa Clara Co., Cal.—I. L. Ryder, 5 S. 14th St., San Jose, awarded contract by City Council to improve 12th St. bet. Reed and Bestor and bet. Bestor and Keyes, by grading, paving with 3-in. asph. conc. base with 1½-in. Warrenite-bit. surface; conc. curbs, gutters and walks; 5 br. catch basins; 8-in. vit. pipe drains.

Hugh Crummey awarded contract to improve 4th St. bet. Santa Clara and St. John by grading, paving with 5-in. cem. conc. base, with Warrenite-bit. surface.

Irving L. Ryder awarded contract to improve 14th St. bet. Santa Clara and Empire, by grading, paving with 3-in. asph. conc. base and 1½-in. Warrenite-bit. surface, conc. curbs and gutters, br. catch basins; 8-in vit. pipe drains.

FRESNO, Fresno Co., Cal.—City Eng. Wm. Stranahan completes spec. to pave Echo Ave. bet. Olive and Pine Aves., involv. 63,576 sq. ft. grading; 57,470 sq. ft. 3½-in. asph. base with 1½-in. Warrenite top; 3328 lin. ft. curb; 6106 sq. ft. gutter; 16,594 sq. ft. walks; 306 ft. 12-in. corru. culverts; 8 manholes; 300 lin. ft. 4-in. pipe sewer. (These plans to replace 5-in. cement conc. specifications previously adopted).

SAN RAFAEL, Marin Co., Cal.—Until June 26, 10 a.m., bids will be rec. by Robt. E. Graham, county clerk, to improve portion of the Tomales-Valley Ford county road from the county line south to Fallon Rd. in Road Dist. 4.

Separate bids, same date, to improve Culloden Aves. from San Rafael city limits to cemetery line.

Separate bids, same date, to improve portion of Point San Pedro Rd., in Road Dist. 1. George M. Dodge county surveyor.

WOODLAND, Yolo Co., Cal.—Supervisors petition to pave road bet. Jefferson Blvd. and Clarksburg. Asa G. Proctor, county surveyor.

HAYWARD, Alameda Co., Cal.—Gonsalves and Willison, Hayward at $1,049 awarded contract by trustee to const. rein. conc. culvert top in Watkin st., bet. B. and C. Other bids: J. K. Nissen, Hayward, $1,618; T. E. Clinch, Richmond, $1,396.

YUBA CITY, Sutter Co., Cal.—Until July 6, 11 a. m., bids will be received by County Supervisors for resurfacing following roads:

Live Oak-Pennington road, 5.42 mi., 15-ft. wide, with "E" grade asphalt and crushed rock. Estimated cost $10,000.

Live Oak-Pennington road to Hageman Place, 2.26 mi., 15-ft. wide, present oil macadam resurfaced with "E" grade asphalt and crushed rock. Estimated cost, $6000.

Lincoln Lateral, 1.15 mi., 15-ft. wide, (oil macadam road) resurfaced with "E" Grade asphalt and crushed rock. Estimated cost $4,000.

Nicolaus Feather River road, 1 mi., 15-ft. wide, (oil macadam road) resurfaced with "E" Grade asphalt and crushed rock. Estimated cost $2,000.

Trowbridge to Riego, 12.53 mi., 15-ft. wide, (oil macadam road) resurfaced with "E" grade asphalt and crushed rock. Est. cost, $20,000.

Oswald Lateral, 2.12 mi., 15-ft. wide, new oil surfae of "E" grade asphalt and crushed rock. Est. cost, $9500.

O'Banion Corners' Lateral, 2 mi., 15-ft. wide, new oil surface of "E" grade asphalt and crushed rock. Est. cost, $9000.

O. W. Lanzendorf, county road eng.

CALIFORNIA.—Geo. H. Oswald, Los Angeles, at $44,727 awarded contr. by State Highway Comm. to pave 5.8 mi. in **Orange County** bet. Irvin and Tustin, involv. 10.950 cu. yds. Class A conc. and 590 cu. yds .removal of broken conc. in existing base, the comm. to furnish rein. steel, cement and sand and course aggregate.

A. J. Raisch, 46 Kearny St., San Francisco, at $25,885 awarded contr. to surface with asph. conc. 4.3 mi. in **Sonoma County** bet. Willow Brook and 1 mi. south of Petaluma.

MERCED, Merced Co., Cal.—County Supervisors grant petitions seeking formation of road district to improve approx. 14 mi of road at a cost of $250,000; 6 mi. closing gap in county highway system bet. Volta and Gustine; 3½ mi. connecting Dos Palos with state road at county line; ¾ mi. connecting Dos Palos with the Fresno County line; 4 mi. from Gustine-Volta road to connect with the state highway as it comes over hill from Pacheco Pass to Los Banos. Pavement to be 16 ft. wide, 5 in. thick, of asph. conc., estimated to cost $18,000 a mile. A. E. Cowell, county surveyor.

SAN BERNARDINO, Cal.—Until 11 a.m., June 19, bids will be rec. by supervisors for improving Hellman Ave. bet. Olive Ave and a pt. 17,750 ft. south, and in portions of other streets, in R. D. I. No. 17, comprising 4-in. conc. pavement 24 ft. wide, conc. curbs, conc walls, culverts. Harry L. Allison, clerk Cert. chk. or bond, 10%.

GLENDALE, Cal.—Until 7 p.m. June 15, bids will be rec. by city clerk to imp. portion of Brand Blvd. and other streets and street intersections, and portion of Granada St., by oiling and surfacing, and const. cem. walks on Western Ave.

LOS ANGELES, Cal.—Until 10 a.m., June 19, bids will be rec. by board of public works for improving Ave. 57 bet .York Blvd. and Aldama Ave., involv. 641 sq. ft. conc. paving; 43,932 sq. ft. grading and oiling; 1037 ft. curb, 3894 sq. ft. walk, 4996 sq. ft. conc, gutter, rein. conc. culvert, 1491 cu. yds. cut and 146 cu. yds. fill. Vrooman Act.

New Jersey St. bet. Evergreen and Savannah St., involv. 10,608 sq. ft. grading and oiling, 775 ft. curb, 3888 sq. ft. walk, 1623 sq. ft. gutter, 2 catch basins, 60 ft. house sewers, 1810 cu. yds. excav.; Vrooman Act.

SAN FRANCISCO.—G. de Brettville, 24 California St., at $39,749 awarded contract by Board of Public Works to improve North Point St. bet. Columbus Ave. and the Embarcadero.

FILLMORE, Cal.—Preliminary steps for street paving have been taken by city trustees. Four-inch asph. conc. will be used throughout. Former bids, calling for conc. pavement, were considered too high. Edw. M. Lynch, Central Bldg., Los Angeles, city eng.

NATIONAL CITY, Cal.—Fairchild-Gilmore-Wilton Co., Los Angeles Realty Bldg., Los Angeles, submitted low bid to city trustees at $27,589.92 for paving with conc. certain streets. Bids taken under advisement. C. B. Ireland, city eng.

SAN PABLO ,Contra Costa Co., Cal.—Until June 20, bids will be rec. by San Pablo Sanitary District, R. V. March, secty., to const. 6-in. lateral sewers in Church, Willow, Hyde, Taylor, Mason, Powell, Stockton, 7th and 6th St., bet. Dover and north boundary of district; in 5th, Freeman, Elizabeth and Tyler Sts. bet. Dover and north boundary of Richmond Pullman Pueblo Tract No. 2; 8-in. vit. sewers in Stockton St. bet. Dover and north boundary of San Pablo Sanitary District.; br. and conc. manholes, etc. Plans may be had from Ross L. Calfee, 221 S. 22nd St., Richmond, eng. for district.

TORRANCE, Cal.—L. A. Paving Co., 2900 Santa Fe Ave., Los Angeles, submitted low bids at $51,401 for paving Arlington St., involv. approx. 212,300 sq. ft. Willite paving, and at $33,934 for paving Carson St., involv. 127,700 sq. ft. Willite paving. Other bids were: Arlington St.—Oswald Bros., $51,676; Braun, Bryant & Austin, $53,352; George R. Curtis, $57,996. Carson St.—Braun, Bryant & Austin, $33,979; George R. Curtis, $38,551; Oswald Bros. $55,494.

FALLBROOK, San Diego Co., Cal.—A domestic water district has been formed and plans are under way for a bond election for installing plant. Est. cost of wells, pumping equipment and distributing system is $18,000.

FRESNO, Fresno Co., Cal.—Until June 22, 3 p.m., bids will be rec. by R. Y. St. George, city clerk, to const. sewer in Webster St., involv. 874 lin. ft. vit. clay pipe; 3 manholes and 2 lampholes. Wm. Stranahan, city eng.

POMONA, Cal.—Until 2 p.m., June 20, bids will be rec. by City Council for street work as follows:

Portions of Pasadena, Eleanor, Main and Pearl St., to be paved with 5-in. oiled macadam. Involv. 312,038 sq. ft. paving and $1498 ft. curb.

Alvarado St. bet. Garey and Towne Aves., to be paved 40 ft. wide, with 5-in. oiled macadam, involv. 126,293 sq. ft. paving, and 610.7 ft. curb. F. C. Froehde, city eng.

MONTEREY, Monterey Co., Cal.—City Eng. H. D. Severance preparing spec. to pave Oliver St., fronting Jacks property.

(Continued on Page 24)

CONTRACTING PLASTERERS OF SOUTHERN CALIFORNIA REORGANIZE

The Contracting Plasterers' Association of Southern California has been reorganized and 45 members are now enrolled. A material increase in membership in the near future is expected. New officers of the Association are: President, George Pedgrift; vice-president, George Kweram; secretary, J. R. Coffman; assistant secretary, Robert L. Mock; treasurer, J. N. Ritchie. Board of Director· Jack Ridge, chairman; R. Liebold, C. C. Ownbey, S. W. Rawson and Fred W. Young. Board of Trustees· A. L. Russell, Fred W. Young and Edwin Pedgrift.

The objects of the Association are stated to be as follows: (1) To establish more harmonious relations and good will between members and to assemble individual interests for mutual protection and combining all these units into a whole in order that its influence may be powerful in promoting and protecting all interests which are beyond the scope of individual action. (2) To prepare and adopt a standard form of contract, standard specifications, standard cost system and a comprehensive credit chapter. (3) To organize a contracting plasterers' compensation insurance company which will effect a considerable saving to the members.

The Association has adopted for its motto "Quality and Service," which all members have pledged themselves to fulfill.

Offices of the secretary are maintained at 822-26 Higgins Bldg., Los Angeles.

LUMBER BUSINESS IN NORTHWEST IS ACTIVE

Waterborne lumber shipments from ports of the State of Washington during May reached a total of 145,830,000 feet, compared with 47,520,000 feet in May, 1921, according to figures compiler by the Merchants' Exchange Department of the Seattle Chamber of Commerce.

Puget Sound ports led in the May lumber shipments by water. The compilation shows they shiped 68,771,000 feet compared with 17,079,000 feet during the corresponding month last year, a gain of 51,692,000 feet.

Gray's Harbor shipments totaled 64,584,000 feet as compared with 25,146,000 feet in May, 1921, a gain of 39,438,000 feet.

From Willapa harbor shipments totaled 12,475,000 feet against 5,295,000 feet, a gain of 7,180,000 feet.

DAILY
PACIFIC BUILDER

The only daily newspaper in the West whose columns are devoted exclusively to Building News. Covers San Francisco and Bay Counties. $1.25 per month, payable in advance. Send for sample copy.

560 MISSION STREET **SAN FRANCISCO, CAL.**

STATE WATER COMMISSION

CALIFORNIA. — Following applications for permits to appropriate water were filed with State Department of Public Works, Division of Water Rights, 910 Eighth St., Sacramento, during the month of May:

Application No. 2834 **(Sierra County)**, John C. Mills, Hotel Sutter, San Francisco: 60 cu. ft. per second to be diverted from March 1 to August 31, and 3500 acre ft. per annum to be collected between March 1 and August 1, from Canyon Creek, Sierra County, for hydraulic placer mining. Diversion dam of rock fill and hydraulic fill, 75' x250'x100'.; canal 9 mi. long; capacity of reservoir 9500 acre ft. Est. cost, $125,000. Point of diversion located in Sec. 17, Tp. 21N, R. 10E, M.D.M.

App. No. 2836 **(Napa County)**, J. B. Morrison, 2211 Union St., Berkeley, Cal. 150,000 acre ft. per annum of the waters of Putah Creek, Napa County, to be collected between October 1 and May 1 of each season, for the irrigation of 50,000 acres of land. Points of diversion in Secs. 26 and 29, Tp. 8N, R. 2W, M.D.M. Canal to be 25 mi. in length.

App. No. 2837 **(Lake and Napa Counties)**, J. B. Morrison: 400 cu. ft. per second to be diverted from March 1 to June 1, and 150,000 acre ft. per annum to be collected from October 1 to May 1 of each season, from Putah Creek, Lake and Napa Counties, in Secs. 22 and 26, Tps. 8 and 11 N, Rs. 2 and 6 W, M.D.M., for the irrigation of 50,000 acres of land. Canal and creek channel to be 50 mi. in length.

App. No. 2839 **(San Joaquin County)**, Raymond T. McGurk, Stockton, Cal.: 1 cu. ft. per second of the waters of Calaveras River, San Joaquin County, to be diverted from January 1 to December 31 of each season in Secs. 32 and 33, Tp. 3N, R. 9E, M.D.M., for the irrigation of 140 acres of land. Water to be diverted by means of pipe line or ditch, and centrifugal pumps. Est. cost, $3000.

App. No. 2840 **(Mariposa County)**, Merced Irrigation District, Merced, Cal. 1000 cu. ft. per second of the waters of Merced River, Mariposa County, to be diverted from January 1 to December 31, and 350,000 acre ft. per annum to be collected between January 1 and December 31, for sale for commercial purposes, operation of storage works, domestic service and drainage pumping by the District.

App. No. 2841 **(Plumas County)**, Edward I. Lane, Plumas, Cal.; 100,000 acre ft. per annum of the waters of Last Chance and Frenchman Creeks, Plumas County, to be collected between October 1 and June 1, for agricultural purposes. Points of diversion to be located in Secs. 28 or 33, Tp. 24N, R. 16E, and Sec. 23, Tp. N, R. 16E, M.D.M.

App. No. 2842 **(Modoc County)**, William P. St John, Cedarville, Cal.: 1 cu. ft. per second of the waters of Owl Creek, Modoc County, for agricultural purposes on 80 acres of land. Water to be diverted from NW¼ of NW¼ Sec 34, Tp. 41N, R. 16E, and conveyed by means of ditch ¼ mi. long.

App. No 2843 **(Imperial County)**, H. E. Daley, Calipatria, Cal.; 25,000 cu. ft. per second from January 1 to December 31, from New River, Imperial County, for the irrigation of 12,000 acres of land Point of diversion to be located in the SE¼ NW¼ Sec 23, Tp. 12S, R. 12E, S.B.M Diversion works to consist of concrete, timber and loose rock dam 6'x250'x150', and two main ditches about 6½ mi. in length Est. cost, $30,000. Application also provides for the storage of 140 acre ft. per annum.

App No 2844 **(Lassen County)**, Clarence Albert Miller, Doyle, Cal.; 30 cu. ft. per second of the waters of Lempke Gulch, Lassen County, from March 1 to July 1 of each season, for agricultural purposes, to be diverted in Sec 11, Tp 26N, R. 15E, M.D.M Main ditch to be ½ mi. long

App No 2845 **(San Bernardino County)**, Nick Terich, 800 North State St., Los Angeles, Cal., 075 cu. ft per second from an unnamed stream in San Bernardino County for domestic purposes and for the irrigation of 50 acres of land Water to be diverted in the NW ¼ SE¼ of Sec. 16, Tp 1N, R 6W, by means of a 1 in pipe line 600 or 700 ft in length.

App. No. 2846 **(Shasta County)**, L. H and Nora M. Selvester, Glenburn, Shasta County: 0.9 cu. ft. per second from Fall River, Shasta County, for agricultural purposes on 72 acres of land. Water will be diverted in the S½ SE¼ of Sec. 2, Tp. 37N, R. 4E, M. D.M., by means of 1 electrically driven 6-in. centrifugal pump. Est. cost of diversion, $1500.

App. No. 2847 **(Tulare County)**, Jane A. Hicks, Milo, Tulare County: 0.5 cu. ft. per second from Ladybug Springs, Tulare County, from April 1 to December 31 of each season, for the irrigation of 40 acres. Point of diversion located in the NW¼ SW¼ of Sec. 3, Tp. 19S, R. 29E, M.D.M. Main ditch to be ¾ mi. long.

App. No. 2848 **(Modoc County)**, Alva G. Lyon, Cedarville, Modoc County: 3 cu. ft. per second from Cottonwood Creek, Modoc County, from March 1 to July 1 of each season, for agricultural purposes on 520 acres. Water will be diverted by means of a timber dam 3'x16'x16', and main ditch 2¾ mi. long, in NE¼ SW¼ Sec. 21, Tp. 41N, R. 16E, M.D.M. Est. cost, $1000.

App. No. 2850 **(Los Angeles County)**, Little Rock Power and Water Co., 615 Chapman Bldg., Los Angeles, Cal.: 1000 acre ft. per annum, to be collected between November 1 and July 1, for power purposes. Point of diversion located in the SW¼ NW¼ of Sec. 19, Tp. 4N, R. 10W, S.B.M. Diversion works: Rock filled dam, 172'x620'x100', and pipe line about 1.5 mi. long. Total amount of power to be developed is 2443 t.h.p. Est. cost, $350,000.

App No. 2851 **(San Bernardino County)**, American Magnesium Co., 224 W. 4th St., Los Angeles, Cal.; ¼ cu. ft. per second from three unnamed springs on unsurveyed land in San Bernardino County, for dissolving salts, refinery, and general mining purposes. Water will be conveyed to place of use by means of pipe line 3 mi. long. Est. cost, $5000.

App. No. 2852 **(Inyo County)**, American Magnesium Co.; ¼ cu. ft. per minute from Golar Wash, Inyo County, for mining and domestic purposes. Diversion by means of a 4½x5 Triplex plunger pump, operated by gas engine, and pipe line about 14 mi. long. Est. cost, $50,000

App. No. 2853 **(El Dorado County)**, City of Sacramento, C. Albert Givan, city engineer: 5 cu. ft. per second from the South Fork of the American River, El Dorado County, to be diverted from May 1 to September 30, in the SE¼ NE¼ of Sec. 17, Tp. 11N, R. 17E, M.D. M., for the development of hydro-electric power, and for domestic use. Diversion works to consist of dam 4½'x 34'x22', constructed of concrete, steel and wood needles, and an 8-in. R. S. pipe line 1700' long. Est. cost, $4000.

App. No. 2854 **(Sierra County)**, Geo. H. Chase, Marsh-Strong Bldg., Los Angeles: 6 cu. ft. per second from Deer Lake, Sierra County, from January 1 to December 31, for power purposes Water will be diverted in the NE¼ NE¼ Sec. 31, Tp. 21N, R 12E, M.D.M., by means of a stone or rock with rock fill dam 1'x60'x10', and pipe line 3000 ft. long. The total amount of power to be developed is 250 t.h.p. Est. cost, $4500.

App. No. 2855 **(Lassen County)**, Red Rock Irrigation District, Ravendale, Lassen County. All run-off up to 150,000 acre ft from January 1 to December 31, from Painter Creek, Buckhorn Creek, Marr Canyon, Water Canyon, Wood Canyon, Red Rock Creek, Cold Springs Creek, Canyon Creek, Malden Flat Creek, Burnt Flat Creek, Lily or Boat Lake, Red Rock Lake, Silver Lake, Silver Creek, and Smoke Creek, for domestic and agricultural use on 23,515.32 acres Est. cost, $750,000

App No 2856 **(Modoc County)**, R. H. and Albert J. Anklin, Alturas, Modoc County 1000 acre ft per annum from February 1 to March 31 of each season from Canyon Creek, Modoc County, for agricultural purposes on 630 acres of land. Diversion will be by means of log dam 8'x20'x24', and ditch and natural channel 2.79 mi. long. Est. cost, $1600.

Experienced Ornamental Iron Draughtsman wanted for partner in long established business. Box 10, Building and Engineering News.

PERMITS

Following permits were issued by Commission during the months of March, April and May:

Permit No. 1024 **(Riverside County)**, Application No. 2066. Mrs. Rose M. McKinney, Palm Springs Cal., for .025 cu. ft per second from January 1 to December 31 of each season from Fern Spring, Riverside County, for domestic purposes and for the irrigation of 10 acres of land. Diversion by means of small concrete and rock dam and pipe line one mile long. Est. cost, $1000.

Permit No. 1025 **(San Joaquin County)**, App. No. 2091. Paul T. Williamson, Stockton, Cal., for 6.70 cu. ft. per second from about March 1 to about October 1 of each season from the San San Joaquin River, San Joaquin County, for agricultural purposes on 536 acres of land. Water will be taken direct from the river by means of 2 centrifugal pumps (8-in. and 5-in.) operated by gas engines, in Secs. 10, 15, 22 and 23, Tp. 2S, R. 6E, M.D.M. Est. cost, $3000.

Permit No. 1026 **(San Joaquin County)**, App. No. 2092. Saleni Williamson, Paul T. Williamson and Ruth E. Williamson of Stockton, Cal., for 1.47 cu. ft. per second from about March 1 to about October 1 of each season, from the Stanislaus River, San Joaquin County, for the irrigation of 117.39 acres. Water will be taken direct from river by means of 1 6-in. pump, operated by gas engine, in the SW¼ NW ¼ and the SE¼ of Sec. 2, Tp. 3S, R 7E, M.D.M. Est. cost, $2000.

Permit No. 1027 **(San Joaquin County)**, App. No. 2339. Nick Lagler, Stockton, Cal., for 1.75 cu. ft. per second from about April 1 to about October 1 of each season from the San Joaquin River, San Joaquin County, for agricultural purposes on 140 acres. Water will be taken direct from the river at a point in the SE¼ NW¼ of Sec. 9, Tp. 1S, R. 6E, M.D.M., by means of a 10" centifugal pump operated by an electric motor. Est. cost, $5000.

Permit No. 1028 **(Tehama County)**, App. No. 1861: George A. Clough, Hibernia Bank Bldg., San Francisco, Cal.: For 16 cu. ft. per second from about April 1 to about August 1 of each season from Mill Creek, Tehama County, for agricultural purposes on 1280 acres of land. Water to be diverted in the NE¼ NW¼ of Sec. 1, Tp. 25N, R. 2W, M.D.M., by means of a rein. conc. dam 16'x120'x90', and a main ditch 1¾ mi. long. Est. cost, $2000.

Permit No. 1030 **(Sacramento County)**, App. No. 1838. J. D. Granlees, Slough House, Cal., for 2 cu. ft. per second from about March 15 to about September 1 of each season from the Cosumnes River, Sacramento County, for agricultural purposes on 160 acres of land. Point of diversion located in the SW¼ SE¼ Sec. 35, Tp. 8N, R. 8E, M.D.M. Diversion works: Concrete dam 10'x240'x120', main ditch, 1.6 mi. long. Est. cost, $30,000.

Permit No. 1031 **(Tuolumne County)**, App. No. 2513. Edw. F. Siegenthaler, Groveland, Cal., for .5 cu. ft. per second from about March 1 to about November 30 of each season for agricultural purposes on 20 acres of land, and not to exceed .25 cu. ft. per second during the remainder of the year for domestic purposes and fish culture, from an unnamed stream in Tuolumne County. Diversion in the NE¼ NE¼ Sec. 29, Tp. 1S, R. 16E, by means of a small earth dam with wooden headgate. Main ditch ¼ mile in length.

Permit No. 1036 **(Lassen County)**, App. No. 2332 Carlos Rolland Carrick, Susanville, Cal., for 100 acre ft. per annum from an unnamed stream in Lassen County, for agricultural use on 27 acres of land The point of diversion to be located in the NE¼ NW ¼ of Sec. 17, Tp. 30N, R 13E, M.D.M. Diversion by means of brush, earth and rock fill dam 25'x225'x150', with 8-in. gate valve Est. cost, $1000. Water to be collected from about Feb 1 to about June 30 of each season.

Permit No. 1037 **(Riverside County)**, App. No. 1837. Beaumont Irrigation District, Beaumont, Cal., for 8 cu. ft.

per second from about February 1 to about November 30 of each season for agricultural purposes on 3161 acres, and throughout the remainder of the year as required for domestic purposes, from Edgar Creek and Noble Creek, Riverside County. Four points of diversion in Sec. 10, Tp. 2S., R. 1W, S.B. M. Diversion works consist of concrete pipe line 4490 ft. long in Edgar Canyon and 2670 ft. long in Noble Canyon, and four 16-in. casing wells, drilled from 300 to 350 ft. deep if bedrock permits; pumps will be 14-in. deep well turbines direct connected to 20-hp. vertical electric motors. Est. cost, $55,000.

Permit No. 1039 **(Contra Costa County)**, App. No. 2081. N. P. Mitchell of Concord, Cal., for .71 cu. ft. per second from about December 1 to about July 31 of each season, from Walnut Creek, Contra Costa County, for agricultural purposes on 57 acres. The point of diversion is approximately 1800 ft. down stream from the Highway bridge across Walnut Creek in Tp. 1N, R. 2W, M.D.M. Diversion to be made by means of pumping from creek either from a sump or by means of a small earth dam erected each year, as determined by flow. Est. cost, $1000.

Permit No. 1040 **(Napa County)**, App. No. 2360. Jessie C. Knowles, 260 California St., San Francisco, Cal., for 2000 acre ft. per annum, to be diverted at a maximum rate of 50 cu. ft. per second from about November 1 to about June 1 of each season from Trout Creek, Napa County, for the irrigation of 1499.25 acres of land. Water will be diverted in the SW¼ SW¼ Sec. 36, Tp. 9N, R. 4W, M.D.M., by means of a masonry dam 2'x10'12' and ditch 1½ mi. long. Capacity of reservoir 3000 acre ft. Est. cost, $20,000.

Permit No. 1041 **(Napa County)**, App. No 2361. Jessie C. Knowles, for 1000 acre ft. per annum, to be collected from about November 1 to about June 1 of each season, from Horse Thief Creek, Napa County, for agricultural purposes on 1499.25 acres of land. See Permit No. 1040 for description of diversion works. Pipe line to be 2 mi. long. Est. cost, $80,0000.

Permit No. 1042 **(Napa County)**, App. No. 1908. City of Vallejo, Cal., for 7 cu. ft. per second for direct diversion, and 10,000 acre ft. per annum for storage from January 1 to December 31 of each season, provided however that combined appropriations by direct diversion and from storage shall not exceed 5058.9 acre ft. annually, from the creek flowing into Gordon Valley, Napa County, for municipal water supply for the City of Vallejo. The points of diversion to be within the NE¼ NW ¼ and NW¼ NE¼ of Sec. 19, Tp. 6N, R. 2W, M.D.M. Diversion works consist of earth dam 67'x600'x200', having concrete headgate with timber screens; aqueduct to be approximately 18 mi. in length. Capacity of reservoir, 10,000 acre feet. Est. cost: Reservoir $500,000; pipe line, $300,000.

Permit No. 1043 **(Sierra County)**, App. No. 863, Richard Phelan, Sierra City, Cal., for .25 cu. ft. per second from January 1 to December 1 of each season, from several small unnamed electric power for light for private use. Point of diversion to be located in the SE¼ SW¼ of Sec. 28, Tp. 20N, R. 12E, M.D.M. Total amount of power to be developed is 4 or 5 thp. Est. cost, $1000.

Permit No. 1044 **(Monterey County)**, App. No. 2447. Carmel Villas Company, Carmel, Cal., for .17 cu. ft. per second from January 1 to December 31 of each season from Gibson Creek, Monterey County, for dmestic purposes. Water will be diverted in the NW¼ SW¼ Sec. 25, Tp. 16S, R. 1W, M.D.M., by means of concrete dam 3'x 12'x12' and pipe line 1½ mi. long. Est. cost, $3500.

Permit No. 1045 **(Siskiyou County)**, App. No. 2590. Percy E. Rulon, Gottville, Cal., for 3 cu. ft. per second from January 1 to December 31 of each season, from Beaver Creek Siskiyou County, for mining purposes. Water will be diverted in the SW¼ NW¼ Sec. 19, Tp. 47N, R. 8W, M.D.M. Main ditch to be 1½ mi. long. Est. cost, $1000.

Permit No. 1046 **(Inyo County)**, App. No. 1836. American Magnesium Co., 224 W. 4th St., Los Angeles, Cal., for .13 cu. ft. per second from January 1 to December 31 of each season, from Golar Wash in Panamint Range, Inyo County, for dissolving crystals and for domestic purposes. Diversion in approx. Sec. 6, Tp. 24S, R 46E, M.D.M., by means of on Triplex Plunger pump operated by gas engine, and pipe line about 14 miles in length. Estimated cost $50,000.

Permit No. 1047 **(Mono County)** Application No. 2268. Wallis D. McPherson of Mono Lake, California, for 2.00 cu. ft. per second from about February 1st to about July 1st of each season, and throughout the remainder of the year as required for domestic purposes, from Rancheria Creek, Mono County, for the irrigation of 160 acres of land. Water to be diverted in the SE¼ NW¼ of Section 2, and the SW¼ NE¼ of Section 2, Tp. 2N, R. 26E. Diversion works consists of concrete and rock dam 8'x14'x5' and two main ditches ¼ and 7-8 miles in length. Estimated cost $1000.

Permit No. 1048 **(Mono County)** Application No. 2269. Venita R. McPherson of Mono Lake, Mono County, for 3 cu. ft. per second continuous flow from about April 1st to about July 31st of each season, from Bridgeport Canyon Creek, Mono County, for agricultural purposes on 290 acres of land. The point of diversion to be located in the SW¼ SW¼ Sec. 30, Tp. 3N, R. 27 E, M.D.M. Water to be diverted by means of a dam 10'x35'x12' and conveyed in ditch 2½ miles in length. Estimated cost $1500.

Permit No. 1049 **(Mono County)** Application No. 2578. Venita R. McPherson of Mono Lake, for 3 cu. ft. per second continuous flow from about April 1st to about August 1st of each season, and throughout the remainder of the year as required for domestic purposes, from Cottonwood Canyon Creek, Mono County, for irrigation purposes on 320 acres. Water will be diverted in the SW¼ NE¼ of Section 21, Tp. 3N., R. 27E., M. D. M., by means of an earth, brush and rock dam 5'x15', and a main ditch ¾ mile long. Estimated cost $1000.

Permit No. 1050 **(Siskiyou County)** Application No. 2074. G. W. Glass and Thomas G. Peterson, of Somes Bar, Siskiyou County, for 4 cu. ft. per second from West Branch and 8 cu. ft. per second from East Branch of Monte Creek, or a total of 12 cu. ft. per second, from January 1st to December 31st of each season, for placer mining purposes. Both points of diversion are approximately in the SW¼ SE¼ of Section 12, Tp. 11N., R. 6E., H. B. M. Proposed works: Timber crib dam 10'x20'-x10', and ditch, pipe and flume 1½ miles long. Estimated cost $1000.

Permit No. 1052 **(Inyo County)** Application No. 2523, American Trona Corporation of Trona, California, for .14 cu. ft. per second ,continuous flow, from January 1st to December 31st of each season, from spring in Big Basin on Argus Mountain, Inyo County, for domestic purposes, and for industrial purposes in the operation of potash, borax and sodium salts mines. Water will be conveyed from mountain springs to Trona by means of gravity pipe lines. Estimated cost $15,000.

Permit No. 1053 **(El Dorado County)** Application No. 1692. El Dorado Water Company of Placerville, California, for 4000 acre ft. per annum from about October 15 to about May 15 of each season, for agricultural use on 12,575 acres of land. Point of diversion within the NW¼ SE¼ Section 18, Tp. 10N., R. 12E., M. D. M. Dam to be concrete multiple arch type 100'x350'x40', located in the NW¼ SW¼ of SE¼ Section 18, Tp. 10N., R. 12E., M. D. M. Main ditch to be 6 miles in length. Estimated cost $120,000.

BUSINESS OPPORTUNITIES

Acme Brick and Tile Co., P. O. Box 1436, Manila, Philippine Islands, desires to get in touch with producers of fire clay and fire brick who desire to enter the Philippine field with their products.

The Bullet Proof and Non-Shatterable Glass Corp., 25 West 43rd street, New York, N. Y., desires to secure representation for its product in this territory. Bullet proof glass is used in banks, etc., and non-shatterable glass for automobiles.

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Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

$1,000 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
2313	Pasqualetti	American	16000
2314	Homes	Mattock	10990
2315	Carr	Cohn	35000
2316	Eisenbach	Owner	1800
2317	Rousseau	Owner	1050
2318	Storti	Mission	8900
2319	Beck	Fratessa	2900
2320	Miller	Owner	3000
2321	Cottle	James	1100
2322	Crowley	Meyer	3000
2323	Adamson	Wengard	8445
2324	Pac G & E	Owntr	8000
2325	Martin	Owner	6000
2326	Jansser	Owner	3500
2327	Hodghead	Swenson	5000
2328	Little Sisters	Fibrestone	6241
2329	Williams	Stevents	6647
2330	Bayse	Hock	60000
2331	Robbins	Arras	7500
2332	Hemminga	Owner	8000
2333	Schmitz	Barker	13700
2334	Adamson	Wengard	8445
2335	R C Archb.	Martinelli	2358
2336	Urban	Owner	10000
2337	Urban	Owner	7000
2338	Pizzo	Owner	4000
2339	Cassaretto	Owner	7000
2340	Mitchell	Sandberg	15000
2341	Martell	Warden	4000
2342	Newsom	Battersby	2500
2343	Easdale	Eaton	1500
2344	Curran	Ball	5000
2345	Quinn	Owner	1000
2346	McDaniell	Warden	5000
2347	Parkside	Owner	8000
2348	Peters	Owner	5000
2349	Janssen	Owner	7000
2350	Emberton	Arthur	1959
2351	Stock	King	30000
2352	Homes	Mattock	10990
2353	Homes	Ahlbach	1550
2354	Homes	Neal	987
2355	Homes	Tittle	374
2356	Homes	Ace	326
2357	Emanu-El	Barrett	137199
2358	Boudrean	Nelson	7000
2359	Mitchell	Sandberg	15100
2360	McIntosh	Becker	9147
2361	Cooper	Taylor	10725
2362	Germanetti	Wesendunk	4260
2363	Perkins	Gilley	14715
2364	Anglo	Denivelle	102036
2365	California	Owner	3000
2366	Campbell	Owner	24000
2367	Lurie	Vannucci	20000
2368	Smith	Hayes	5150
2369	Erath	Owner	1600
2370	Curiaz	Helbing	1959
2371	Friend	Smithson	3000
2372	Freeman	Owner	4000
2373	Janssen	Owner	13900
2374	Janssen	Owner	6950
2375	Wagnon	Barrett	20000
2376	Samuel	Jensen	65000
2377	Niedt	King	10000
2378	Vedden	Owner	20000
2379	Leopold	Smale	14000
2380	Janssen	Owner	6950
2381	McLean	McLean	4809
2382	Lewis	Morrow	10500
2383	Raggbiani	Filippis	7400
2384	Agerup	Anderson	11100
2385	Crocker	Joost	915
2386	S F News	Spencer	1306
2387	Same	Globe	3235
2388	Dall	Madden	4000
2389	Bernhardt	Owner	3000
2390	Wayne	Dinwiddie	10000
2391	Shaefer	Owner	3000
2392	Morrison	—	5000
2393	Martin	Owner	6000
2394	Barr	Heden	6500
2395	Ellis	Harder	9197
2396	Tick	Cohn	1000
2397	Odenthal	Smith	6200
2398	Teigeler	Arras	5190
2399	Bothin	Cahill	4000
2400	Arata	Owner	25000
2401	Tackaberry	Storheim	5850
2402	Robbins	Arras	5198
2403	Despol	Montani	10600
2404	Berlro	Allred	6000
2405	Weil	Britt	5000
2406	Harrison	Owner	9500
2407	Copp	Arnold	3300
2408	Hansen	Adler	11000
2409	Geinzer	Kelly	1000
2410	Skold	Nelson	4000
2411	Brunt	Hjul	32000
2412	Norris	Clinton	40000
2413	Dorr	Owner	2000
2414	Tramor	Little	9000
2415	Johnson	Owner	6000
2416	Lacey	Mission	22000
2417	Magnolia	Moller	10693
2418	McIntosh	Becker	9147
2419	Carrettl	Chiappe	11500

GARAGE
(2313) N UNION 149-4⅞ E Franklin. **Two-story concrete public garage.**
Owner—J. Pasqualetti, 785 Market St., San Francisco.
Architect—None.
Contractor—American Concrete Co., 785 Market St., San Francisco. $16,000

RESIDENCE
(2314) E SANTA CLARA 72.50 N St Francis Blvd. Two-story and basement frame residence.
Owner—Homes Loan Corporation, 278 Post St., San Francisco.
Architect—Smith O'Brien, 742 Market St., San Francisco.
Contractor—Mattock & Feasey, 251 Kearny St., S. F. $10,990

APARTMENTS
(2315) NE CLEMENT AND TWENTY-sixth Ave. Three-story and basement frame stores and (10) apartments.
Owner—Ray Carr, 334 22nd Ave., San Francisco.
Designer, Jos. F. Rogers, 4294 Montgomery St., Oakland.
Contractor—A. Cohn & S. Spearin, 705 55th St., Oakland $35,000

ALTERATIONS
(2316) NW EDDY AND TAYLOR. Remodel store fronts.
Owner — Eisenbach & Co., Alexander Bldg., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Day's work. $1800

ALTERATIONS
(2317) N MARKET 50 W Marshall Square. Construct new store fronts
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—Albert Fabre, 110 Sutter St., San Francisco
Day's work $1050

FRAME FLATS
(2318) W OCTAVIA 137-6 N Union Two-story and basement frame (2) flats.
Owner C. Storti and wife, 2829 Octavia St., San Francisco.
Architect A. G. Headman, 747 Call Bldg. San Francisco.
Contractor—Mission Concrete Co. Call Bldg., San Francisco $8000

DWELLING
(2319) SE SILVER AVE & BRUSSELS One-story and basement frame dwellings.
Owner—T. Beck, 118 27th St., San Francisco.
Architect—None.
Contractor—Joseph S. Fratessa, 896 Girard St., San Francisco. $2900

DWELLING
(2320) N SEWARD 121 W Douglas. One-story and basement frame dwelling.
Owner—Bert Miller, 808 Cabrillo St., San Francisco.
Architect—None.
Day's work. $3000

ALTERATIONS
(2321) NO. 1905 VAN NESS AVE. Apply Carey's fireproof shingles on residence.
Owner—Rev. John Ell Cottle, 2117 Van Ness Ave., San Francisco.
Architect—None.
Contractor—Jones Bros. Asbestos Supply Co., Inc. $1100

DWELLING
(2322) W TWENTY-SEVENTH AVE 150 N Balboa. One-story and basement frame dwelling.
Owner—W. B. Crowley, 2302 Clement St., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $3000

DWELLING
(2323) SE ANZA & FORTY-SECOND Ave. One-story and basement frame dwelling.
Owner—Richard Adamson, 537 Hayes St., San Francisco.
Architect—Geo. H. Wiemeyer, 110 Sutter St., San Francisco.
Contractor—C. Wengard, 1286 34th Ave., San Francisco. $8445

TRANSFORMER ROOM
(2324) N JESSIE bet. Third and Fourth. Construct steel and concrete transformer room.
Owner — Pacific Gas and Electric Co., 445 Sutter St., San Francisco.
Plans by Owner.
Day's work. $8000

ALTERATIONS
(2325) NO. 216 MARKET. Construct elevator shaft and install passenger elevator.
Owner—Walter Martin, 1st National Bank Bldg., San Francisco.
Architect—Bakewell & Brown, 251 Kearny St., San Francisco.
Day's work. $6000

DWELLING
(2326) W NINETEENTH AVE 25 S Cabrillo. One-story and basement frame dwelling.
Owner—E. A. Janssen, 402 Hearst Bldg San Francisco.
Architcet—None.
Day's work. $3500

ALTERATIONS
(2327) NO. 3135 SACRAMENTO. General alterations for music school
Owner Ella K. Hodghead, Premises
Architect None.
Contractor Swenson & Franzen, 115 Natoma St., San Francisco. $5000

ROOFING
(2328) N LAKE 120 E Fifth Ave N 70-4½ E 393-3 S 780-6 W 342-2 Slate and metal work for roofing

Owner—Little Sisters of the Poor of San Francisco.
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.
Contractor—Fibrestone & Roofing Co., 199 10th St., San Francisco.
Filed June 2, '22. Dated May 31, '22.
Completed and accepted.....$4680
Usual 35 days..... 1561
TOTAL COST, $6241
Bond, $3121. Surety, New Amsterdam Casualty Co. Limit, 26 days. Forfeit, $10. Plans and specifications filed.

ALTERATIONS
(2329) NO. 133-135 BUENA VISTA Ave. All work for alterations and additions to two-story frame bldg.
Owner—Mrs. E. Williams, 21 Elsie St., San Francisco.
Architect—Thos. Smith, 49 Elgin Park, San Francisco.
Contractor—W. J. Stevens, 77-A Pearl St., San Francisco.
Filed June 2, '22. Dateed June 1, '22.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $6647
Bond, $3323.50. Sureties, Chas. H. Hock and W. A. Macdonald. Limit, 90 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
(2330) N BUSH ST BET MASON and Taylor. Five-story steel frame and brick (20) apartments.
Owner—Mrs. B. Bayse, 846 Bush St., San Francisco.
Architect—Thomas Smith, 27 Elgin Park, San Francisco.
Contractor—Hock, Hoffmeyer & Stevens, 180 Jessie St., San Francisco. $60,000

STORES
(2331) E JONES 68:6 N Golden Gate Ave. One-story concrete stores.
Owner—Milo R. Robbins, 526 Mills Bldg., San Francisco.
Architect—Erle J. Osborne, 821 Balboa St., San Francisco.
Contractor—Adam Arras Co., 185 Stevenson St., San Francisco. $7500

DWELLINGS
(2332) W TWENTY-THIRD AVE 50 and 75 N Fulton. Two 2-story and basement frame dwellings.
Owner—Nick Hemminga, 705 22nd Ave., San Francisco.
Architect—None.
Day's work. $4000 each

FLATS
(2333) E FUNSTON AVE 100 N Geary N 25 x E 120. All work fo a two-story and basement flat building.
Owner—Charles Schmitz, 301 16th St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—J. E. Barker, 1219 Page St., San Francisco.
Filed June 3, 1922. Dated May 22, 1922.
2nd floor joists in.....$1700
Rustic and roof sheathing on. 1725
Brown coated 3425
Completed and accepted 3425
Usual 35 days 3425
TOTAL COST, $13,700
Bond, $6850. Sureties, Richard Barker and R. H. Tweedie. Forfeit, none. Limit, 100 days. Plans and specifications filed.

FRAME BLDG.
(2334) SE ANZA & FORTY-SECOND Ave. S 50xE 82-6. All work for one-story and basement frame building.
Owner—Richard Adamson, 184 3rd St., San Francisco.
Architect — Geo. H. Wiemeyer, 79 Eureka St., San Francisco.
Contractor—Carl T. Wengard, 1286 34th Ave., San Francisco.
Filed June 3, '22. Dated May 29, '22.
Rough frame & roof boards on.$2111
1st coat plaster on and roof finished 2111
Usual 35 days..... 2111
Usual 35 days..... 2112
TOTAL COST, $8445
Bond, $4222.50. Surety, United States Fidelity & Guaranty Co. Limit, 100 days. Forfeit, $10. Plans and specifications filed.

CONCRETE WORK
(2335) N FILBERT 137-6 E Powell; No. 664 Filbert. Concrete work for church.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—Chas. Fantoni, 550 Montgomery St., San Francisco.
Contractor—J. Martinelli, 1351 Mason St., San Francisco.
Filed June 3, '22. Dated May 29, '22.
Footings poured $589.50
Concrete poured for piers and columns 589.50
Completed and accepted..... 589.50
Usual 35 days..... 589.50
TOTAL COST, $2358.00
Bond, $1500. Sureties, G. B. Olcese and Frank L. Martinelli. Limit, 17 days. Forfeit, $5. Plans and specifications filed.

RESIDENCES
(2336) W BORICA 75 and 133 S Entrada Court. Two two-story and basement frame residences.
Owner—Urban Realty Improvement Co. 85 Cerritos Ave., San Francisco.
Designer—H. K. Lovell, 85 Cerritos Ave. San Francisco.
Day's work. $5000 each

FRAME FLATS
(2337) S CLEMENT 57-6 W 16th Ave. Two-story and basement frame (2) flats.
Owner — G. W. Urban, 23 Beulah St., San Francisco.
Architect—None.
Day's work. $7000

FRAME FLATS
(2338) SE CHENERY AND LIPPARD. Two-story and basement frame (2) flats.
Owner—Vincenzo Pizzo, 137 Chilton Ave., San Francisco.
Architect—None.
Day's work. $4000

OFFICE
(2339) W DORE 125 N Folsom. One-story and mezzanine floor brick express office.
Owner—Mrs. M. Cassaretto, 619 Washington St., San Francisco.
Architects—J. A. Porporato, 619 Washington St., San Francisco.
Day's work. $7000

RESIDENCE
(2340) E ELEVENTH AVE 125 S Lake. Two-story, basement and attic frame residence.
Owner—Geo. E. Mitchell, 216 4th St., San Francisco.
Plans by Contractor.
Contractor—Sandberg & Essmann, 501 4th St., San Francisco. $15,000

DWELLING
(2341) E FORTY-THIRD AVE 100 S Lincoln Way. One-story and basement frame dwelling.
Owner—John T. Martell, % Architect.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—Fred Warden, 240 Montgomery St., San Francisco. $4000

DWELLING
(2342) S FLOOD AVE bet. Foerster and Edna. One-story and basement frame dwelling.
Owner — A. C. Newsom, 2906 Mission St., San Francisco.
Plans by Owner.
Contractor—G. M. Battersby, 2906 Mission St., San Francisco. $2500

ALTERATIONS
(2343) W FORTY-FOURTH AVE 125 S Lincoln Way. Remodel one and one-half-story residence into (2) flats.
Owner—Emily H. Easdale, 1223 44th Ave., San Francisco.
Architect—None.
Contractor—Geo. Eaton, 1234 46th Ave., San Francisco. $1500

DWELLING
(2344) N PAGE 206-3 W Cole. One-story and basement frame dwelling
Owner—Thos. Curran, 215 7th Ave., San Francisco.
Architect—None.
Contractor — J. F. Ball, 120 4th Ave., San Francisco. $5000

ALTERATIONS
(2345) NO. 307 SCOTT. Remodel two-story residence into (2) flats.
Owner—William J. Quinn, Premises.
Architect—None.
Day's work. $1000

DWELLING
(2346) W TWENTY-THIRD AVE 200 N Irving. One-story and basement frame dwelling.
Owner — Alexander H. McDaniell, % Architect.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—Fred Warden, 240 Montgomery St., San Francisco. $5000

DWELLINGS
(2347) W TWENTY-EIGHTH 225 S Taraval & W 28th Ave 150 N Ulloa. Two one-story and basement frame dwellings.
Owner—Parkside Realty Co., Crocker Bldg., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Day's work. $4000 each

DWELLING
(2348) W THIRD AVE 75 S Cabrillo. Two-story and basement frame dwelling.
Owner—J. M. Peters, 1010 Balboa St., San Francisco.
Architect—None.
Day's work. $5000

DWELLINGS
(2349) E TWENTY-SEVENTH AVE 250 and 275 N Geary. Two one-story and basement frame dwlg.
Owner—E. A. Janssen, 402 Hearst Bldg. San Francisco.
Architect—None.
Day's work. $3500 each

REPAIRS
(2350) NO. 870-872 YORK. Repair fire damage to dwelling.
Owner—Thomas Emberton, — Hampshire St., San Francisco.
Architect—None.
Contractor—Geo. H. Arthur, 320 Hayes St., San Francisco. $1950

APARTMENTS
(2351) W HYDE 87-6 S Geary. Four-story and basement reinforced concrete (12) apartments.
Owner—Adolph Stock, % Architect.
Architect — Henry Shermund, Hearst Bldg., San Francisco.
Contractor—W. S. King, Hearst Bldg., San Francisco $30,000

(2352) LOT 17, BLK 13, St. Francis Wood, being E Santa Clara 72.5 N St. Francis Blvd. Excavation, concrete, carpenter, glass, marble, iron, plaster, roofing, etc., for a two-story and basement residence and garage.
Owner—Homes Loan Co., 278 Post St., San Francisco.
Architect—Smith O'Brien, Bankers' Inv. Bldg., San Francisco.
Contractor—Mattock & Feasey, 251 Kearny St., San Francisco

Filed June 5, 1922. Dated June 1, 1922.
1st of each month 75%
Usual 35 days 25%
TOTAL COST, $10,990
Bond, $5495. Sureties, Louis Figeac, Marrias Figeac. Forfeit, none. Limit, 10 days. Plans and specifications filed.

(2353) SEWERING AND PLUMBING for above.
Contractor—Ahlbach & Mayer, 85 Dorland St., San Francisco.
Filed June 5, 1922. Dated June 1, 1922.
Roughed in $581
Completed and accepted 581
Usual 35 days 388
TOTAL COST, $1550
Bond, $775. Sureties, Saml. Schell and Chas. Mayer. Forfeit, $10 day. Limit, Sept. 1 ,1922. Plans and specifications filed.

(2354) PAINTING, PAPERING, ETC. for above.
Contractor——The Neal Co., 538 Hayes St., San Francisco.
Filed June 5, 1922. Dated June 1, 1922.
Work ½ completed..... $450
Completed and accepted, balance.
TOTAL COST, $987
Bond, none. Sureties, none. Forfeit, $10 day. Limit, as fast as required. Plans and specifications filed.

(2355) ELECTRICAL WORK FOR above.
Contractor—H. S. Tittle, 766 Folsom St., San Francisco.
Filed June 5, 1922. Dated June 1, 1922.
Completed and accepted..... $374
TOTAL COST, $374
Bond, none. Sureties, none. Forfeit, none. Limit, none. Plans and specifications filed.

(2356) WARM AIR HEATING System for above.
Contractor—Ace Sheet Metal Works, 1500 Guerrero St., San Francisco.
Filed June 5, 1922. Dated June 1, 1922.
Completed and accepted..... $326
TOTAL COST, $326
Bond, none. Sureties, none. Forfeit, none. Limit, none. Plans and specifications filed.

(2357) NW PAGE AND LAGUNA W 107:6 x N 120. All work for a three-story and basement reinforced concrete building.
Owner— The Emanu-El Sisterhood, Steiner and Golden Gate Ave., San Francisco.
Architect—Julia Morgan, Merchants' Exchange Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Filed June 5, 1922. Dated May 8, 1922.
5th of each month 75%
Usual 35 days 25%
TOTAL COST, $137,199
Bond, $68,600. Sureties, Albert Lachman, J. T. Casey. Forfeit, none. Limit, without delay. Plans and specifications filed.

RESIDENCE
(2358) LOT 21 BLK 3176 Westwood Park. All work for one-story frame residence.
Owner—Jos. and Anais Boudreau, 470 35th Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor — Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed June 5, '22. Dated May 31, '22.
Roof sheathing on $1750
Brown coated 1750
Completed and accepted 1750
Usual 35 days 1750
TOTAL COST, $7000
Bond, $3500. Sureties, Chas. Monson & Edw. E. Madden. Limit, 90 days after June 1. Forfeit, none. Plans and specifications filed.

FLATS
(2359) E ELEVENTH AVE 125 S Lake S 25xE 120. All work except hot water heaters for two-story and basement frame flats.
Owner—Geo. E. Mitchell, 478 12th Ave., San Francisco.
Architect—None.
Contractor—Sandberg & Essmann, 501 4th St., San Francisco.
Filed June 5, '22. Dated June 1, '22.
Frame up $3775
Roof on and plumbing roughed in $775
Completed 3775
Usual 35 days..... 3775
TOTAL COST, $15,100
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

FLATS
(2360) S TWENTY-FIRST ST, 130 W Sanchez. All work for a two-story building and garage (flats).
Owner—Jas. L. McIntosh, 3721 21st St., San Francisco.
Architect—Plans by contractor.
Contractor—H. A. Becker, 3444 22nd St., San Francisco.
Filed—June 5, 1922. Dated Apr. 8, 1922.
Excavation completed $800
Frame up 2086
Brown coated. 2086
Completed and accepted 2086
Usual 35 days 2089
TOTAL COST, $9147
Bond, none. Sureties, none. Forfeit, none. Limit, 90 days. Plans and specifications filed.

RESIDENCE.
(2361) E SANTA ANA AVE 130 S St Francis Blvd., being Lot 3 Santa Ana Ave, St. Francis Wood. All work except plumbing, heating and mantel for a two-story frame residence.
Owner—R. J. Cooper, 750 Monadnock Bldg., San Francisco.
Architect—Kenneth MacDonald Jr. and Maurice C. Couchot, 234 Pine St., San Francisco.
Contractor—Taylor & Jackson, 290 Tehama St., San Francisco.
Filed June 5, 1922. Dated June 1, 1922.
Monthly payments of..... 75%
Usual 35 days 25%
TOTAL COST, $10,725
Bond, none. Sureties, none. Forfeit, $10 per day. Limit, 70 days. Plans and specifications filed.

BUNGALOW
(2362) SW FARRAGUT 175 SE Huron SE 50 x SW 100. All work for a two-story and basement bungalow.
Owner—J. Germanetti, 46 Laura St., San Francisco.
Architect—None.
Contractor—A. A. Wesendunk, 1747 Dolores St., San Francisco.
Filed June 5, 1922. Dated May 31, 1922.
Frame and roof completed.....$1050
Completed an daccepted 1050
Usual 35 days 1110
TOTAL COST, $4260
Bond, none. Sureties, none. Forfeit, $2.00 day. Limit 90 days. Plans and specificantions filed.

PLUMBING
(2363) N JACKSON 65 E SCOTT N 255-4½ W 65 S 255-4½ E 65. Plumbing for seven two-story frame residences
Owner—Perkins & Trowbridge, 110 Sutter St., San Francisco.
Architect—Alfred H. Jacobs, 110 Sutter St., San Francisco.
Contractor—Gilley Schmid Co. Inc., 198 Otis St., San Francisco.
Filed June 5, 1922. Dated May 29, 1922
Roughed in $7357.50
Completed and accepted 3678.75
Usual 35 days 3678.75
TOTAL COST, $14,715 00
Bond, $14,715. Sureties, Fidelity & Deposit Co of Maryland. Forfeit, none. Limit none. Plans and specifications filed

BANK BLDG.
(2364) W SANSOME 46:10⅞ more or less, N Sutter N 91:6 x W 122:9. All work, artificial stone and plain and ornamental plastering for bank building.
Owner—Anglo & London Paris National Bank, Sansome and Sutter St., San Francisco.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—Paul E. Denivelle, 280 Golden Gate Ave., San Francisco.
Filed June 5, 1922. Dated May 25, 1922.
10th of each month 75%
Usual 35 days 25%
TOTAL COST, $102,036
Bond, $51,018. Sureities, Fidelity & Deposit Co. of Maryland. Forfeit, none. Limit, 170 days. Plans and specifications filed.

REPAIRS
(2365) S BRYANT 200 E Fifth. Repair fire damage to planing mill.
Owner—California Mill Co., 645 Bryant St., San Francisco.
Architect—None.
Day's work. $3000

DWELLINGS
(2366) SE POINT LOBOS & FORTY-sixth Ave and NE 46th Ave and Geary; E 46th Ave 35, 67½, 100 and 132½ N Geary. Six one-story and basement frame dwellings.
Owner — J. V. Campbell, 1040 Bryant St., San Francisco.
Architect—None.
Day's work $4000 each

WAREHOUSE
(2367) N FELL 55 W Gough. Two-story Class C concrete store and warehouse.
Owner—Louis R. Lurie, Mills Bldg., San Francisco.
Architect—O'Brien Bros., Inc., 210 Montgomery St., San Francisco.
Contractor—L. Vannucci Bros., 189 Jessie St., San Francisco. $20,000

DWELLING
(2368) W FORTY-SECOND AVE 175 N Anza One-story and basement frame dwelling.
Owner—Mrs. Alberting H. Smith, 563 42nd Ave., San Francisco.
Architect—J. C. Hayes, 7333 Geary St., San Francisco.
Contractor—J. C. Hayes, 7333 Geary St San Francisco. $5150

REPAIRS
(2369) NO. 1354 FORTY-EIGHTH AV. General repairs to dwelling.
Owner—C. Erath, 1480 Willard St., San Francisco.
Architect—None
Day's work. $1600

REPAIRS
(2370) NO. 711 GOLDEN GATE AVE. Repair fire damage to store.
Owner—Oscar H. Curtaz, 150 7th St., San Francisco.
Architect—None.
Contractor—Wm. Helbing, 150 7th St., San Francisco. $1950

ALTERATIONS
(2371) NO. 1837 OAK. General alterations and changes to apartments.
Owner—Harry Friend, 1618 Larkin St San Francisco.
Architect—None.
Contractor—F. W. Smithson, 1211 Masonic Ave., San Francisco $3000

(2372) E CHURCH 293 N 24th One-story and basement frame dwelling.
Owner—J. L. Freeman, $5643 Miles Ave., Oakland
Architect—Plans by owner
Day's work $1000

FLATS
(2373) W SIXTH AVE 285 N FULTON. Two 2-story and basement frame flats (2 flats in each building)

Owner—E. A. Janssen, 402 Hearst Bldg., an Francisco.
Architect—None.
Day's Work. $6950 each

FLATS
(2374) E SECOND AVE 125 N Balboa. Two-story and basement frame (2) flats
Owner—E. A. Janssen, 402 Hearst Bldg., San Francisco.
Architect—None.
Day's Work. $6950

ADDITIONS
(2375) S BUSH 30 W Trinity No. 325 Bush Add two stories and alterations to store and loft building.
Owner—Wm. B. Wagnon, 45 Montgomery St., San Francisco.
Architect — August G. Headman, Call Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $20,000

APARTMENTS
(2376) S SUTTER 45.10 E Taylor. Three-story and basement concrete (10) apartments.
Owner—Mortimer A. Samuel, Alexander Bldg., San Francisco.
Architect — August G. Headman, Call Bldg., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco. $65000

ADDITION
(2377) N TURK 70-6 E Jones. Two-story Class C addition to apartment house now in course of construction.
Owner—A. F. Niedt, Hotel Spaulding, San Francisco.
Architect—Willis Lowe, Monadnock Bldg., San Francisco.
Contractor — W. S. King, 215 Hearst Bldg., San Francisco. $10,000

APARTMENTS
(2378) SE TWELFTH AVE & GEARY Three-story and basement frame stores and (7) apartments.
Owner—Walter G. Vodden, 760 Cole St., San Francisco.
Architect—Edward E. Young, 251 Kearny St., San Francisco.
Day's work. $20,000

FRAME FLATS
(2379) W WEBSTER 100 N Hayes. Two-story and basement frame (4) flats.
Owner—E. Leopold and wife, 627 Webster St., San Francisco.
Architect—John J. Foley, 770 5th Ave., San Francisco.
Contractor—W. J. Smale, 15 Ford St., San Francisco. $14,000

FRAME FLATS
(2380) W SIXTH AVE 175 N Balboa. Two-story and basement frame (2) flats.
Owner—E. A. Janssen, 402 Hearst Bldg San Francisco.
Architect—Nonee.
Day's work. $6950

RESIDENCE
(2381) W SEVENTEENTH AVE 300 N Fulton. All work for one-story and basement frame residence.
Owner—A. M. McLean, 761 17th Ave., San Francisco.
Plans by Contractor.
Contractor—R. A. McLean, 180 Jessie St., San Francisco.
Filed June 6, '22. Dated June 5, '22.
Frame up $1200
Brown coated 1200
Finished 1200
Usual 35 days..... 1200
TOTAL COST, $4800
Bond, none. Limit, 120 days. Forfeit none. Plans and specifications filed.

FLAT BLDG.
(2382) W TWELFTH AVE 100 S Geary. All work for a two-story frame flat building.
Owner—Aaron Lewis, 1605 Chronicle Bldg., San Francisco.
Architects and Contractors—Morrow & Garren, Chronicle Bldg., San Francisco.
Filed June 6, 1922. Dated May 2, 1922. Payments to be made as work progresses.
TOTAL COST not to exceed $10,500
Contractor to receive 10%.
Bond, none. Sureties, none. Forfeit, none. Limit, none. Plans and specifications not filed.

RESIDENCE
(2383) N FRANCISCO 137-6 E Gough E 37-6 x N 137-6. All work for a one-story and basement frame residence.
Owner—Emanuel Ragghianti, 1031 Octavia St., San Francisco.
Architect—W. H. Armitage, Call Bldg., San Francisco.
Contractor—N. Filippis, 1527 Powell St., San Francisco.
Filed June 6, 1922. Dated June 2, 1922.
Ceiling joists on $1800
Brown coated 1800
White coated 950
Completed and accepted 1000
Usual 35 days 1850
TOTAL COST, $7400
Bond, none. Sureties, none. Forfeit, none. Limit. 100 days. Plans and specifications filed.

BUILDING
(2384) W EIGHTH AVE 150 S N St. All work for building.
Owner—Richard and Marla Agerup, 71 Dehon St., San Francisco.
Architect—None.
Contractor—S. R. Anderson, 4002 22nd Ave., San Francisco.
Filed June 6, '22. Dated June 1, '22.
Frame up $2775
Brown coated 2775
Standing trim on..... 2775
Usual 25 days..... 2775
TOTAL COST, $11,100
Bond, none. Limit, 120 days. Forfeit, $5. Plans and specifications, none.

HARDWARE.
(2385) W GUERRERO 141-9 S from SW Market N 141-9 SW 149-10½ SE 122-3½ m or l. Trimming hardware for three-story apartment building
Owner—Mary Ives Crocker, Insurance Exchange Bldg., San Francisco.
Architect—Nathaniel Blaisdell, 255 California St., San Francisco.
Contractor—Joost Bros., Inc., 1053 Market St., San Francisco.
Filed June 6, '22. Dated May 31, '22.
Completed and accepted..... $686.25
Usual 35 days..... 228.75
TOTAL COST, $915.00
Bond, $458. Sureties, C. C. Wilson and Robt. McGovern. Limit, none. Forfeit, $10. Plans and specifications filed.

METAL DOORS, ETC.
(2386) N HOWARD AT HAWTHORNE All work for art metal doors and Meeker elevator doors for building.
Owner—The San Francisco News Co., 747 Howard St., San Francisco.
Architect—N. W. Sexton, Chronicle Bldg., San Francisco.
Contractor—Richard Spencer, 166 7th St., San Francisco.
Filed June 6, '22. Dated June 6, '22.
On 1st of each month..... 75%
30 days after..... 25%
TOTAL COST, $1306
Bond, none. Limit, Aug. 15, 1922. Forfeit, none. Specifications only filed.

(2387) ELECTRIC WIRING ON ABOVE
Contractor—Globe Electric Works, 1959 Mission St., San Francisco.
Filed June 6, '22. Dated May 27, '22.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $3235
Bond, none. Limit, Aug. 15, 1922. Forfeit, none. Specifications only filed.

STORE AND FLAT
(2388) N BAY VIEW 350 E Newhall. Two-story and basement frame store and flat.
Owner—Geo. Dall, Olmo Dall and Chas Dall, 4938 3rd St., San Francisco.
Architect—None.
Contractor—Madden-Hammersmith Development Co., 530 Balboa Bldg., San Francisco. $4000

DWELLING
(2389) E DANVERS 121 S Eighteenth. One-story and basement frame dwelling.
Owner—Bernhardt & Pereria, 4446 20th St., San Francisco.
Plans by Owner.
Day's work. $3000

WAREHOUSE
(2390) NW FOURTH AND PERRY. One-story brick warehouse.
Owner—Wayne Oil Tank & Pump Co., Premises.
Architect—Bliss & Faville, Balboa Bldg., San Francisco.
Contractor—Dinwiddie Constr. Co., 518 Crocker Bldg., San Francisco. $10 000

DWELLING
(2391) E FORTY-FIRST AVE 50 S Balboa. One-story and basement frame dwelling.
Owner—O. F. Sheafer, 2372 Sutter St., San Francisco.
Architect—None.
Day's work. $3000

ALTERATIONS
(2392) S O'FARRELL 87 E Powell. Alter store.
Owner—A. C. Morrison and F. Seyferth, 165 O'Farrell St., San Francisco.
Architect — M. V. Politeo, 1301 First National Bank Bldg., S. F.
Contractor—None stated. $5000

FRAME FLATS
(2393) E TWENTY-FIRST AVE 25 N Irving. Two-story and basement frame (2) flats.
Owner—W. H. Martin and wife, 1278 21st Ave., San Francisco.
Architect—None.
Day's work $6000

DWELLING
(2394) W THIRTY-THIRD AVE 51-5 S Lincoln Way. Two-story and basement frame dwelling.
Owner—Christine G. Barr.
Architect—W. H. Armitage. 72 New Montgomery St., San Francisco.
Contractor—Gustaf Heden, 224 Laidley St., San Francisco. $6500

FLATS
(2395) N CHESTNUT 87:6 E Franklin. Two-story and basement frame (2) flats.
Owner—Harry B. Ellis, 3723 Sacramento St., San Francisco.
Architect—None.
Contractor—John Harder, 870 39th Ave., San Francisco. $9197

STORE
(2396) NO.1010 DIVISADERO ST .One-story frame store.
Owner—B. J. Tick, 1471 McAllister St., San Francisco.
Architect—R. Cohn, 1210 Divisadero St., San Francisco.
Contractor—R. Cohn, 1210 Divisadero St., San Francisco. $1000

DWELLING
(2397) W EDINBURGH 225 S Brazil. Two-story and basement frame dwelling.
Owner—Henery Odenthal, 436 Edinburgh St., San Francisco.
Architect—None.
Contractor—Martin Smith, 114 Girard St., San Francisco. $6200

GARAGE
(2398) NOS. 3494-3498 MISSION ST. One-story concrete garage.
Owner—Harry R. Teigeler, 3498 Mission St., San Francisco.
Architect—None.
Contractor—Adam Arras, 185 Stevenson St., San Francisco. $5190

R C BLDG.
(2399) S NATOMA 399 E Second. One-story reinforced concrete (annex) for Industrial Plant.
Owner—Bothin Real Estate Co., 26 Montgomery St., San Francisco.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Contractor—Cahill Bros., 110 Sutter St., San Francisco. $4000

APARTMENTS
(2400) N UNION 247-6 W Steiner. Three-story and basement frame (6) apartments.
Owner—Joseph Arata, 3001 Buchanan St., San Francisco.
Architect—John J Foley, 770 5th Ave., San Francisco.
Day's work. $25,000

ALTERATIONS
(2401) SW SEVENTEENTH AVE & Geary W 82-6xS 25. All work for alterations and additions to bldg.
Owner—H. E. Tackaberry, 1112 Broadway, San Francisco.
Architect—Richard R. Irvine, 3841 18th St., San Francisco.
Contractor—M. P. Stotheim, 201 Caselli Ave., San Francisco.
Filed June 7, '22. Dated June 6, '22.
Frame up $1460
Brown coated 1460
Completed 1460
Usual 35 days..... 1470
TOTAL COST, $5850
Bond, $4000. Surety, American Indemnity Co. Limit, 75 days. Forfeit, $5. Plans and specifications filed.

BUILDING
(2402) E JONES 68-6 N Golden Gate Ave N 34-4½xE 68-6. All work for one-story building.
Owner—Milo R. Robbins and Erle J. Osborne, 526 Mills Bldg., S. F.
Architect—Erle J. Osborne, 821 Balboa Bldg., San Francisco.
Contractor—Adam Arras Co., 185 Stevenson St., San Francisco.
Filed June 7, '22. Dated June 5, '22.
On completion of pouring of concrete $1500
Brown coated 1232
Completed and accepted..... 1232
Usual 35 days..... 1234
TOTAL COST, $5198
Bond, $2598. Sureties, Theo. De Pasa and R. A. Farrar. Limit, 70 days after June 10. Plans and specifications filed.
NOTE—Permit reported June 5, 1922 No. 2331.

STORE BLDG.
(2403) N GEARY 30 W Fifteenth Ave W 75xN 100. All work for one-story frame building (stores).
Owner—Anton Despol, 525 23rd Ave., San Francisco
Architect — Alfred Henry Jacobs, 110 Sutter St., San Francisco.
Contractor—S. Montani 1753 Greenwich St., San Francisco.
Filed June 7, '22 Dated June 6, '22.
Frameup and roof on.....$2650
Plastering 2850
Completed 2650
Usual 35 days 2650
TOTAL COST, $10,600
Bond, $10,600. Surety Fidelity & Deposit Co of Maryland. Limit, Aug 1, 1922. Forfeit, none Plans and specifications filed

DWELLING
(2404) E CASTENADA 150 SW Pacheco Two-story and basement frame dwelling
Owner—Jacob Beriro, % Contractor.
Architect—None.
Contractor — C. S. Allred, 159 Liberty St., San Francisco. $6000

ADDITION
(2405) NO. 3535 CLAY. One-room addition to dwelling; hardwood flooring and general overhauling.
Owner—Mrs. R. Weil, 3806 Clay St., San Francisco.
Architect—None.
Contractor—O. W. Britt, 1257 1st Ave., San Francisco. $5000

STORES
(2406) E COLE 36 W Parnassus Ave. One-story and basement frame (4) stores.
Owner—A. B. Harrison, Mills Bldg., San Francisco.
Architect—O. R. Thayer, 110 Sutter St. San Francisco.
Day's work. $9500

DWELLING
(2407) N NINETEENTH 25 W Rhode Island. One-story and basement frame dwelling.
Owner—J. Copp and wife, 2006 19th St., San Francisco.
Architect—None.
Contractor—Frank A. Arnold, 790 Kansas St., San Francisco. $3300

APARTMENTS
(2408) E NINETEENTH AVE 175 S Balboa. Two-story and basement frame (4) apartments.
Owner—T. M. Hansen, 132 8th Ave., San Francisco.
Architect—K. Adler, 493 22nd Ave., San Francisco.
Contractor—K. Adler, 493 22nd Ave., San Francisco. $11,000

ALTERATIONS
(2409) NO. 2506 UNION. Minor alterations and repairs to residence.
Owner—Mrs. A. D. Geinzer, Premises.
Architect—Powers & Ahuden, 460 Montgomery St., San Francisco.
Contractor—R. E. Kelly, 168 Hancock St., San Francisco. $1000

DWELLING
(2410) E MIRAMAR 131 N Eastwood Drive. One-story and basement frame dwelling.
Owner—Oscar H. Skold, % Architect.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco. $4000

STORES, ETC.
(2411) NE MINNA AND SEVENTH Two-story and basement concrete stores and lofts.
Owner—Walter N. Brunt.
Engineer—J. H. Hjul, 850 Monadnock Bldg., San Francisco.
Contractor—J. H. Hjul, 850 Monadnock Bldg., San Francisco. $32,000

WAREHOUSE
(2412) N TOWNSEND 80 W Stanford. Three-story and basement Class B warehouse, 60x275 ft.
Owner—L. A. Norris, 136 Townsend St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor — Clinton Constr. Co., 140 Townsend St., San Francisco. $10,000

DWELLING
(2413) S MAGELLAN 130 W Cortes. One-story and basement frame dwelling.
Owner—O. D. Dorr & Son, 758-A 7th Ave., San Francisco
Architect—None.
Day's work. $2000

FRAME FLATS
(2414) E TWENTY-SEVENTH AV 225 N California. Two-story and basement frame (2) flats.
Owner—James Trainor, 262 27th Ave., San Francisco.
Architect—None.
Contractor—John Little, 1035 Lincoln Way, San Francisco. $9000

DWELLING
(2415) E TWENTY-FOURTH AVE 180 N Geary. Two-story and basement frame dwelling.
Owner—Peder Johnson and G. R. Johnson, 29-A Noe St., San Francisco.
Architect—None.
Day's work. $6000

BUILDING
(2416) SW HOWARD AND MOSS 100 on Moss by 48 on Howard. All work except plumbing and drainage for two-story and basement reinforced concrete building.
Owner—E. V. Lacey and V. Fassio, 180 Jessie St., San Francisco.
Architect—None.
Contractor—Mission Concrete Co., Call Bldg., San Francisco.
Filed June 8, '22. Dated May 24, '22.
1-st floor slab poured.....$5500
Roof on 5500
Job completed 5500
Usual 35 days..... 5500
TOTAL COST, $22,000
Bond, none. Limit, 60 days. Forfeit, plans and specifications, none.

R. C. BLDG.
(2417) NE BRYANT AND STERLING. All work for one-story reinforced concrete building.
Owner — Magnolia Metal Co., Pacific Bldg., San Francisco.
Architect—Dodge A. Riedy, Pacific Bldg., San Francisco.
Contractor—Fred Moller, 180 Jessie St., San Francisco.
Filed June 8, '22. Dated Apr. 12, '22.
Concrete walls poured.....$2673.25
Brown coated 2673.25
Completed and accepted..... 2673.25
Usual 35 days..... 2673.25
TOTAL COST, $10,693.00
Bond, $5346.50. Sureties, R. W. Moller and F. K. McComber. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FLATS
(2418) S TWENTY-FIRST 140 W Sanchez. All work for two-story frame flats.
Owner—Jas. L. and Adele J. McIntosh, 3721 21st St., San Francisco.
Plans by Contractor.
Contractor—H. A. Becker, 3444 22d St., San Francisco.
Filed June 8, '22. Dated Apr. 8, '22.
Excavation completed $8 00
Frame up 2086
Brown coat plaster on..... 2086
Completed 2086
Usual 35 days..... 2089
TOTAL COST, $9147
Bond, none Limit, 90 days. Forfeit, none Plans and specifications filed.

FRAME BUILDING
(2419) N FRANCISCO 100 W Franklin W 25xN 137-6. All work for two-story and basement frame building.
Owner—Angelo Carretti & V. Armanini 157 Ellington Ave., San Francisco.
Architect—Chas. Fontoni, 550 Montgomery St., San Francisco.
Contractor—G. Chiappe and L. Coppellotti, 515 Broadway, S. F.
Filed June 8, '22. Dated June 7, '22.
Roof on $2875
Brown coated 2875
Completed and accepted..... 2875
Usual 35 days..... 2875
TOTAL COST, $11,500
Bond, $5800 Sureties, L. Segali and E Demartini Limit, 90 days. Forfeit, $5. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

June 8, 1922—E NINETEENTH AVE 250 N Fulton N 25xE 120. Martin and Emman F Muller or Emma Muller to whom it may concern.. .....June 8, 1922

June 8, 1922—E TWENTIETH AVE 275 S Anza S 25xE 120. Wm T Ryan to whom it may concern... .....June 7, 1922

June 8, 1922—SW TWENTY-SIXTH Ave and California W 32-6xS 120. John E Beck to whom it may concern.....June 7, 1922

June 7, 1922—S CLAY 130 E Presidio Ave E 59-11xS 127-8¼. Richard J O'Brien to Kiernan & O'Brien..... .....June 6, 1922

June 7, 1922—NW POST AND JONES 91-8 on Post and 68-9 on Jones. John Rosenfeld's Sons to Barrett & Hilp.....June 5, 1922

June 7, 1922—NE MOSS 100 SE Howard SE 25xNE 75. Joe Wolford to John J Binet.....June 6, 1922

June 7, 1922—E SIXTH AVE 100 S Balboa S 25xE 120. Elizabeth Lagomarsino to whom it may concern .....June 7, 1922

June 7, 1922—E FORTY-FIRST AVE 65 N Cabrillo N 28xE 31-6. Ervin E Scharff to whom it may concern .....June 6, 1922

June 7, 1922—S O'FARRELL 37-6 E Jones E 22-6xS 75. Walter H Sullivan to Louis J Cohn....June 3, 1922

June 7, 1922—E LARKIN 80 N Pacific N 32-6 E 137-6 S 52-1 W 34-3 S 5 W 34-9 N 20 W 68-6. George G Shepston to Wm McIntosh..... .....June 3, 1922

June 7, 1922—E LARKIN 112-6 N Pacific N 25xE 137-6. Kittie and Bessie Henderson to Wm McIntosh .....June 7, 1922

June 6, 1922—E ASHBURY 125 S Fulton S 25xE 100. Pauline and Morton Kresteller to Arthur M Hardy.....June 6, 1922

June 6, 1922—S GEARY 97 W 25th Ave W 25xS 100; No. 6125-27 Geary Wm A Miller to whom it may concern.....June 6, 1922

June 6, 1922—E BRODERICK 137-6 N Filbert N 25xE 112-6. Nellie B and Katherine G Pike to W W Rednall.....June 5, 1922

June 6, 1922—NO. 4233 TWENTY-second 175 W Douglas. Joaquin S and Annie S Abrew to H A Becker .....June 6, 1922

June 6, 1922—S PACIFIC 137-6 W Jone W 22-6xS 137-6. A Papa to N Filippis.....June 6, 1922

June 6, 1922—W TWELFTH AVE 125 S Geary. Aaron Lewis to Morrow & Garren.....June 6, 1922

June 5, 1922—W TWENTY-FIRST Ave 225 S Anza 25x120. O C Holt to whom it may concern.June 2, 1922

June 5, 1922—E GRANT AVE 70 S California. Mrs Mary Marsicano to J Martinelli.....June 3, 1922

June 5, 1922—N BUSH 206-3 W Mason N 137-6xW 30. Bertha Basya to Chas Hock.....June 3, 1922

June 5, 1922—E VAN NESS AVE 90 S Jackson S 37-8¼xE 123. Laurence A Myers and Samuel L Hyman to O W Britt.....June 2, 1922

June 5, 1922—IN VICINITY OF Bernal. Southern Pacific Co to Peter McHugh.....May 31, 1922

June 5, 1922—NE CABRILLO AND Sixth Ave N 25xE 95; E Sixth Ave. 25 N Cabrillo N 25xE 95. Victor Bjors to whom it may concern... .....June 5, 1922

June 3, 1922—W JONES 70-6 N O'Farrell N 67 W 137-6 S 72-6 E 57-6 N 5-6 E 80. R W Kern to John Morton or Morton Builders ..... May 31, 1922

June 3, 1922—S UNION 81-6 W Leavenworth W 56xS 112-6 M G Lurmann to Inlaid Hardwood Co.. .....June 3, 1922

June 3, 1922—W THIRTY-NINTH Ave — N Fulton 25x120. Ambrose P Herlihy to Moses Little..... .....June 1, 1922

June 3, 1922—S UNION 81-6 W Leavenworth W 56xS 112-6. M G Lurmann to whom it may concern .....June 3, 1922

June 2, 1922—W FOERSTER 25 N Staples Ave N 25 x W 90, W Foerster 50 N Staples Ave N 30 x W 90, W Foerster 80 N Staples Ave N 30 x W 90, Ptns Blk 13, Sunnyside. Moneta Invsstment Co. to James Arnott & Sons.....May 13, 1922

June 2, 1922—S WASHINGTON 151 E Van Ness Ave. Grace Jewett, agent of T. M. W. and Mary West, to G. Massagli.....June 2,1922

June 1, 1922—NE TWENTY-SIXTH Ave and Geary E 34-1xN 100. B Hanretty to Meyer Bros.June 1, 1922

June 1, 1922—E TWENTY-THIRD Ave 175 S Cabrillo S 25xE 120 O L 402. W H Sale to Meyer Bros... .....May 24, 1922

June 2, 192—W TWENTY-SECOND Ave 200 N Fulton N 25xW 120. Nicholas Hemminga to whom it may concern.....June 2, 1922

June 2, 1922— NINETEENTH AVE 275 N Clement N 25xW 120. Stainslas Bem to Edward E Young .....June 2, 1922

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

June 8, 1922—E PRESIDIO AVE 93-1¼ S Post S 22xE 100. Wayne & Williams vs Carl Miller....$365.05

June 7, 1922—LOT 3 BLK 3112 Westwood Park. Spring Valley Lumber Yard vs Mary L Bean and Clarence B Bean $945.18

June7, 1922—S TWENTIETH 250 E Guerrero E 25xS 114. Carl Frank vs Gustavus V and Ellen C Phipps $45

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

June 5, 1922—BLK BDED BY CAbrillo, Fulton, 25th and 24th Aves. Sol Getz & Sons Inc., as to improvements on property.....

June 2, 1922—S MARKET AND Third SW 75xSE 70. City Investment Co as to improvements on property .....

BUILDERS' BOND

SAN FRANCISCO COUNTY

June 5, 1922—BUILDING TO BE erected in San Francisco. S F News Co with Gilley Schmid Co., Inc. Surety, Fidelity & Deposit Co. of Maryland. Bond, ...$4821.50

SAN FRANCISCO BUILDING PERMITS FOR MAY

San Francisco building operations for the month of May, based on the number of building permits issued, totalled $4,377,066, according to the Bureau of Building Inspection of the Department of Public Works. A segregated list of the activities follows:

Class—	No. of Permits	Est. Cost
B	3	$517,500
C	25	950,900
Frames	311	2,094,974
Alterations	445	412,401
Public Buildings	1	372,091
Harbor Buildings	1	29,200
Total	786	$4,377,066

BUILDING CONTRACTS

ALAMEDA COUNTY

$1000 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
2503	Franklin	Hopper	7250
2504	Donogh	Long	3000
2505	Hansen	Owner	2500
2506	Lee	Long	8000
2507	Saroni	Pond	2800
2508	Ekas	Wright	2500
2509	Reeves	Sutton	5400
2510	Rankin	Owner	3500
2411	Malley	Malley	4000
2412	Moran	MacGregor	4500
2513	Porter	MacGregor	4000
2514	Rothaniel	Rose	9000
2515	Deacon	McWethy	14350
2516	Fisher	Owner	6000
2517	Rizzo	Sprague	6000
2518	Pac T &T	Thornalley	10500
2519	Dorsa	Hewitt	3000
2520	Johnson	Walton	2500
2521	Silva	Butzbacker	2000
2522	Phillips	Butzbacker	3850
2523	Shell	Owner	2150
2524	Oakland	Littlefield	518569
2525	Fox	Simmonds	3000
2526	Fletcher	Pfrang	1500
2527	Ney	Owner	3800
2528	Ettinger	Birmingham	1000
2529	Robert	Johnson	1000
2530	MacLean	Kann	8000
2531	Leighton	Mullen	6985
2532	Parr	Owner	6000
2533	Mead	Owner	5000
2534	Silva	Owner	2500
2535	Dean	Federal	1500
2536	Digerness	Owner	3000
2537	Johnson	Owner	3000
2538	Herman	Perry	4000
2539	Dunn	Monroe	5000
2540	Parodi	McCord	3000
2541	McCord	Owner	2600
2542	Sanders	Goldsworthy	5000
2543	Hingett	Sulton	1800
2544	McCord	Owner	2600
2545	Sandford	Thaxter	2000
2546	Coppage	Thaxter	1000
2547	Mee	McIntosh	5900
2548	Carpenter	Owner	4000
2549	Brazier	Owner	2500
2550	Lindquist	Owner	1000
2551	Payne	Mason	5000
2552	Karston	Blethroad	3600
2553	Ahlers	Barnard	1500
2554	Biggerstaff	Woodworth	1000
2555	Lundberg	Owner	3000
2556	Barnard	Owner	2400
2557	Barton	Owner	8000
2558	McDonald	Hancock	4000
2559	Mottino	Owner	2950
2560	Schmidt	Rich	3000
2561	Lannon	Rees	2300
2562	Fish	Owner	4000
2563	Fernetta	Rose	5000
2564	Boroles	Green	2000
2565	Laur	Owner	5500
2566	Vetter	Hambleton	31000
2567	Korber	Vaughn	5355
2568	Marquis	Owner	2500
2569	Morris	Owner	7000
2570	Biedenbach	Engler	6500
2571	Knetsinger	Engler	7000
2572	Hanlon	Adams	4800
2573	Faust	Owner	5500
2574	Allen	Stone	2900
2575	Shaw	Kohendorfer	5000
2576	Hallenleben	Owner	3500
2577	Anderson	Kohendorfer	2950
2578	Clark	Lepley	2250
2579	Grunewald	Owner	3500
2580	Leimert	Cederborg	6000
2581	Same	Same	5600
2582	McInnler	Owner	6800
2583	Yuell	Myers	2250
2584	Falk	Cederborg	1950
2585	Norris	Owner	6000
2586	Graves	Graves	2750
2587	Rump	Anderson	4485
2588	Hendry	Westlund	7368
2589	Kissane	Legault	2900
2590	Classen	Owner	7500
2591	Williams	Owner	6000
2592	Appleton	Owner	5000

2593	Baker	Owner	5000
2594	Fulton	Wieben	5200
2595	Vankirk	Matheger	5500
2596	Congannan	Johanson	2000
2597	Harris	Stoner	8000
2598	Healy	Owner	5600
2599	Musgrave	Allen	1750
2600	Adams	Bixby	9000
2601	Palmer	Thaxter	4800
2602	Pontiz	Lambert	3200
2603	Woll	Owner	3300
2604	Johanson	Patrick	5250
2605	Croman	Pearce	1600
2606	Glasgow	Burns	3000
2607	Baker	Owner	5000

DWELLING
(2503) NO. 117 YORK DRIVE, Piedmont. One-story 5-room dwelling.
Owner—Wm. Franklin, 120 Manor Dr., Piedmont.
Architect—None.
Contractor—Hopper & Son, 1117 Webster St., Piedmont. $7250

ALTERATIONS
(2504) NW BANCROFT AND SHATtuck Ave., Berkeley. Store alterations.
Owner — A. O. Donogh, 2274 Shattuck Ave., Berkeley.
Architect—None.
Contractor—Roy O. Long Co., 2114 Shattuck Ave., Berkeley. $3000

PLANING MILL
(2505) NO. 1335 DELAWARE ST., Berkeley. Planing mill.
Owner—Carl P. Hansen.
Architect—None.
Day's work. $2500

DWELLING
(2506) NO. 1552 LE ROY, Berkeley. One and one-half-story 7-room dwelling.
Owner—Edwin A. Lee.
Architect—None.
Contractor—Roy O. Long Co., 2114 Shattuck Ave., Berkeley. $8000

DWELLING
(2507) NO. 2322 SPAULDING ST., Berkeley. One-story five-room dwelling.
Owner—Louis Saroni, San Francisco.
Architect—None.
Contractor—C. P. Pond, 1163 Ashmount Ave., Oakland. $2800

DWELLING.
(2508) W GARDEN ST 237 N E-27th St., Oakland. One-story 5-room dwelling.
Owner—Margaret Ekas, 2231 23rd Ave., Oakland.
Architect—None.
Contractor—L. G. Wright, 2231 23rd Ave., Oakland. $2500

DWELLINGS
(2509) W HARRINGTON AVE 300, 429, 458, S Galindo, Oakland. Three 1-story 4-room dwellings.
Owner—R. E. Reeves, 1505 37th Ave., Oakland.
Architect—None.
Contractor—J. F. Sutton, 4176 Quigley St., Oakland $1800 each

DWELLING
(2510) N KEITH AVE 240 W Broadway, Oakland. One-story 5-room dwelling.
Owner—J. L. Rankin, 6082 Claremont Ave., Oakland.
Architect—None.
Day's Work. $3500

DWELLING
(2511) S KENMORE AVE 600 W Lakeshore, Oakland. One-story 6-room dwelling.
Owner—F. T. Malley, 900 Lakeshore Ave., Oakland.
Architect—None.
Contractor—H. Malley, 2947 West St., Oakland $4000

DWELLING.
(2512) W TENTH AVE 260 S E-28th St., Oakland. One-story 6-room dwelling.
Owner—T. W. Moran, Plaza Bldg., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—C. M. MacGregor, 470 13th St., Oakland. $1500

DWELLING
(2513) E PARK BLVD 90 N San Luis, Oakland. One-story 5-room dwelling.
Owner—H. Guy Porter, 148 10th St., Oakland
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—C. M. MacGregor, 470 13th St., Oakland. $4000

FACTORY
(2514) S SYCAMORE 210 E San Pablo, Oakland. One-story concrete factory.
Owner—G. A. Rothamel, 1977 Telegraph Ave., Oakland.
Architect—None.
Contractor—Mervin P. Rose, 940 Oxford St., Berkeley. $9000

DWELLINGS
(2515) E SHAFTER 100 and 140 N 42nd St., Oakland. Eight 1-story 3-room dwellings.
Owner—Mrs. Carrie S. Deacon, 63 York Drive, Oakland.
Architect—None.
Contractor—McWerthy & Greenleaf, 1512 Broadway, Oakland.
Two at $1850 each
Six at $1775 each

DWELLING
(2516) W WESLEY 50 S MERRITT, Oakland. Two-story 6-room dwelling.
Owner—H. P. Fisher, Syndicate Bldg., Oakland.
Architect—None.
Day's Work. $6000

APARTMENT
(2517) NW COR FORTY-THIRD and Grove Sts., Oakland. Two-story store and apartment building.
Owner—N. Rizzo.
Architect—None.
Contractor—J. E. Sprague, 351 12th St., Oakland.
Filed June 2, 1922. Dated Apr. 27, 1922.
Second floor joists on.....$1000
Roof on 1000
Ready for plaster..... 1000
Plastered 1000
Completed and accepted 1400
30 days 600
TOTAL COST, $6000
Bond, $3000. Sureties, American Surety Co. Forfeit, none. Limit, 90 days. Plans and specifications filed.

ALTERATIONS.
(2518) 2112 BANCROFT WAY, Berkeley. Alterations and additions to telephone building.
Owner—Pacific Tel. & Tel. Co.
Architect—None.
Contractor—W. S. Thornalley, 357 12th St., Oakland.
Filed June 2, 1922. Dated May 22, 1922.
1st day on month 75%
Usual 35 days 25%
TOTAL COST, $10,500
Bond, $5250. Sureties, Joseph Damm and P. C. Frederickson. Bonus, $50 day. Forfeit, $50 day. Limit, 45 days.

DWELLING
(2519) S ARKANSAS 250 E Peralta Ave., Oakland. One-story five-room dwelling.
Owner—Joseph A. Dorsa, Apgar near Telegraph Ave., Oakland.
Architect—None.
Contractor—Hary I. Hewitt, 2635 Russell St., Berkeley. $3000

DWELLING
(2520) E EIGHTH AVE 50 S E-24th St., Oakland. One-story 5-room dwelling.
Owner—Otto Johnson, 2202 8th Ave., Oakland.
Architect—None.
Contractor—Frank L. Walton, 1210 Masonic Ave., Oakland. $2500

DWELLING
(2521) N FOOTHILL BLVD. opp. 84th Ave., Oakland. One-story 4-room dwelling.
Owner—Ed. F. Silva, 1725 Auseon Ave., Oakland.
Architect—None.
Contractor—G. H. Butzbacker & Son, 1640 64th Ave., Oakland. $2000

DWELLING
(2522) N FOOTHILL BLVD 200 W 55th Ave., Oakland. One-story 5-room dwelling.
Owner—Geo. Phillips, 8607 E-14th St., Oakland.
Architect—None.
Contractor—G. H. Butzbacker & Son, 1640 64th Ave., Oakland. $3850

STATION, ETC.
(2523) SE FOURTEENTH AND MARket, Oakland. One-story steel service station and one-story steel lavatory.
Owner—Shell Oil Co. of California, 343 Sansome St., San Francisco.
Architect—None.
Day's work. $2150

SCHOOL
(2524) E GROVE ST. bet. Alleen and Fifty-eighth Sts., Oakland. Two-story concrete school.
Owner—City of Oakland.
Architect—None.
Contractor— R. W. Littlefield, 357 12th St., Oakland. $518,569

DWELLING
(2525) S HARDING ROAD 150 W Fruitvale, Oakland. One-story 4-room dwelling.
Owner—Sam Fox, 2932 Delaware St., Oakland.
Architect—None.
Contractor—L. E. Simmonds, 2831 Delaware St., Oakland. $3000

ALTERATIONS
(2526) NO. 5698 KEITH AVE., Oakland Alterations and additions.
Owner—Joe Fletcher.
Architect—None.
Contractor—L. G. Pfrang, 5467 Locksley Ave., Oakland. $1500

DWELLING
(2527) E PARK BLVD. 100 S E-28th St., Oakland. Two-story 5-room dwelling.
Owner—I. W. Ney, 3064 Brook St., Oakland.
Architect—None.
Day's work. $3800

ALTERATIONS
(2528) NO. 6517 RAYMOND ST., Oakland. Alterations.
Owner—Mrs. E. Ettinger, 2233½ McKinley Ave., Berkeley.
Architect—None.
Contractor—D. Birmingham. $1000

OFFICE
(2529) E THIRTY-FIFTH AVE 125 S Mangels, Oakland. One-story office
Owner—Chas. E. Robert Jr., 3138 35th Ave., Oakland
Architect—None.
Contractor—Hans Johnson $1000

STORES
(2530) SE WOOLSEY AND TELEgraph Ave., Oakland. One-story 5-room stores.
Owner—Miss C. A. McLean, 1017 1st Savings Bank Bldg., Oakland.

Architect—Wm. Wilkinson.
Contractor—Jos. Kann, 4000 Linwood Ave., Oakland. $8000

APARTMENTS
(2531) LOT 20 BLK "E" May Bryant Tract, Berkeley. All work for two story frame store and apartment building.
Owner, Harry Leighton, San Francisco
Architect—Schirmer Bugbee & Co., Thayer Bldg., Oakland.
Contractor—Mullen & La Voie, 265 9th St., Oakland.
Filed June 3, '22. Dated June 3, '22.
Sheathed $1746.25
Brown coated 1746.25
Completed and accepted..... 1746.25
Usual 35 days..... 1746.25
TOTAL COST, $6985.00
Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

DWELLING
(2532) NO. 2720 BELROSE ST., Berkeley. Two-story 8-room dwlg.
Owner—S. C. Parr, 856 Arlington St., Berkeley.
Architect—None.
Day's work. $6000

DWELLINGS
(2533) NO. 1736 AND 1738 LINCOLN St., Berkeley. Two one-story 5-room dwellings.
Owner—Frank Mead, Box 347 R. F. D. No. 1, Sacramento.
Architect—None.
Day's work. $2500 each

DWELLING
(2534) NO. 2908 MABEL ST., Berkeley. One-story 4-room dwelling.
Owner—John Silva, 2919½ Ollis St., Berkeley.
Architect—None.
Day's work. $2500

MARQUIS
(2535) E SHATTUCK AVE 100 N Haste, Berkeley. Marquis.
Owner—Moore & Dean.
Architect—None.
Contractor—Federal Elec. Co. $1500

DWELLING
(2536) W AUSEON AVE 245 S Birch, Oakland. One-story 5-room dwlg.
Owner—J. Digerness, 1711 Sherman St., Alameda.
Architect—None.
Day's work. $3000

DWELLING
(2537) N BONA 200 W Peralta, Oakland. One-story 5-room dwelling.
Owner—B. H. Johnson, 2325 Ransome St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(2538) E ELLSTON 300 S Hampel, Oakland. One-story 4-room dwelling.
Owner—Mrs. Herman, 733 Haight Ave., Alameda.
Architect—None.
Contractor—J. Floyd Perry, 733 Haight Ave., Alameda. $4000

DWELLING
(2539) NE EL CENTRO & DOLORES, Oakland. One-story 6-room dwlg.
Owner—Mrs. Margaret Dunn.
Architect—None.
Contractor—J. W. Monroe, 5538 Claremont, Oakland. $5000

DWELLING
(2540) NW FORTY-SIXTH & MARket, Oakland. One-story 5-room dwelling.
Owner—J. Parodi.
Architect—None.
Contractor—J. A. McCord, 4517 Market St., Oakland. $3000

DWELLING
(2541) S FORTUNE WAY 70 W 61st Ave., Oakland. One-story 4-room dwelling.
Owner—J. A. McCord, 4741 E-14th St., Oakland.
Architect—None.
Day's work. $2600

DWELLING
(2542) N GRAND AVE 280 W Elwood, Oakland. One-story 5-room dwlg.
Owner—Geo. F. Sanders, 572 16th St., Oakland.
Architect—None.
Contractor—Allen Goldsworthy, 856 20th St., Oakland. $5000

DWELLING
(2543) N REDDING 100 W High, Oakland. One-story 4-room dwelling.
Owner —B. Hingett, 4421 Steele St. Oakland.
Architect—None.
Contractor—J. F. Sulton, 4176 Quigley St., Oakland. $1800

DWELLING
(2544) NW SIXTY-FIRST AVE AND Fortune Way, Oakland. One-story 4-room dwelling.
Owner—J. A. McCord, 4741 E-14th St., Oakland.
Architect—None.
Day's work. $2600

DWELLING
(2545) NE SIXTY-FIRST & RACINE, Oakland. One-story 5-room dwlg.
Owner—Mrs. A. C. Sandford, 434 65th St., Oakland.
Architect—None.
Contractor—F. W. Thaxter, 2117 Derby St., Berkeley. $3000

ALTERATIONS
(2546) NW THIRTY-EIGHTH AND Telegraph Ave., Oakland. Alterations.
Owner—Mary S. Coppage, 64 Plaza Drive, Berkeley.
Architect—None.
Contractor—F. W. Thaxter, 2117 Derby St., Berkeley. $1000

DWELLING
(2547) E GRAND 100 S Dayton Ave 50 x150, Alameda. Excavation, concrete, iron, brick, carpenter, mill, tile, tin, hardwood floors, stairs, glass, lath and plaster, hardware, fixtures, shades, fence and garage for two-story frame dwelling.
Owner—Herbert Mee, 1628 Clinton St., Alameda.
Architect—Hamilton Murdock, Syndicate Bldg., Oakland.
Contractor—McIntosh Bros., 180 Jessie St., San Francisco.
Filed June 5, '22. Dated June 1, '22.
Frame up ..... ¼
Plastered ..... ¼
Completed ..... ½
Usual 35 days..... ¼
TOTAL COST, $5300
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

DWELLING
(2548) NO. 846 ALAMEDA, Berkeley. One-story 6-room dwelling.
Owner—R. W. Carpenter, 1814 Derby St., Berkeley.
Architect—None.
Day's work. $4000

DWELLING
(2549) N DERBY 105 E Ellsworth, Berkeley. One-story 5-room dwlg.
Owner—Jas. W. Brazier, 1912 Blake St., Berkeley.
Architect—None.
Day's work. $2500

GARAGE
(2550) NO. 2239 DURANT AVE., Berkeley. Garage.
Owner—N. E. Lindquist, 2235 Bancroft Way, Berkeley.
Architect—None.
Day's work. $1000

DWELLING
(2551) NO. 118 EL CAMINO REAL, Berkeley. One-story 5-room dwlg.
Owner—B. B. Payne.
Architect—None.
Contractor—Mason McDuffie Co., Shattuck & Addison, Berkeley. $5000

DWELLING
(2552) NO. 929 FRESNO, Berkeley. One-story 5-room dwelling
Owner—Geo. G. Karston, 2315 Roosevelt Ave., Berkeley.
Architect—None.
Contractor—D. T. Blethroad, 1912 Channing Way, Berkeley. $3600

ALTERATIONS
(2553) NO. 2405 FULTON ST., Berkeley. Alterations.
Owner—Mrs. Ahlers.
Architect—None.
Contractor—C. S. Barnard, 2312 Prince St., Berkeley. $1550

GARAGE
(2554) NO. 2957 PIEDMONT AVE., Berkeley. Garage.
Owner—E. K. Biggerstaff, Premises.
Architect—None.
Contractor — P. W. Woodworth, 1301 Blake St., Berkeley. $1000

DWELLING
(2555) NO. 1920 PARKER ST., Berkeley. One-story 5-room dwelling.
Owner—John A. Lundberg, 1825 Derby St., Berkeley
Architect—None.
Day's work. $3000

DWELLING
(2556) NO. 2139 SACRAMENTO ST., Berkeley. One-story 5-room dwlg
Owner—C. S. Barnard, 2312 Prince St., Berkeley.
Architect—None.
Day's work. $2400

ALTERATIONS
(2557) 412 BELLEVUE AVE, Oakland. Alterations and additions.
Owner—Louise S. Barton, premises.
Architect—None.
Day's work. $8000

DWELLING
(2558) N EXCELSIOR AVE 300 W 14th Ave, Oakland. One-story 5-room dwelling.
Owner—Georgiania McDonald, 1371 E 38th St., Oakland.
Architect—None.
Contractor—J. E. Hancock, 3837 Park Blvd., Oakland. $4000

DWELLING
(2559) S FORTY-SIXTH ST 140 E West St., Oakland. One-story 5-room dwelling.
Owner—J. A. Mottino, 712 46th St., Oakland.
Architect—None.
Day's Work. $2950

ADDITION
(2560) 5936 KEITH AVE, Oakland. Addition.
Owner—Otto Schmidt, premises.
Architect—None.
Contractor—Jas. L. Rich, 913 42nd St., Oakland. $3000

REFUSE BURNER
(2561) E MAGNOLIA bet. 3rd and 5th Sts., Oakland. Refuse burner.
Owner—Lannon Bros., Mfg. Co., 362 Magnolia, Oakland.
Architect—None.
Contractor—Rees Blow Pipe Mfg. Co., 340 7th St., San Francisco. $2300

DWELLING
(2562) N PARK BLVD 226 W Brooklyn, Oakland. One-story 5-room dwelling.
Owner—L. C. Fish, 1444 3rd Ave., Oakland.
Architect—None.
Day's Work. $4000

(2563) W SCHOOL ST. end Laurel, Oakland. Two-story dwelling and warehouse.
Owner—J. Fernetta, 3309 School St., Oakland.
Architect—None.
Contractor—Joe Rose, 1453 16th St., Oakland. $5000

ALTERATIONS
(2564) NO. 5422 SHAFTER AVE., Oakland. Alterations and additions
Owner—Maud Green Brooks, Turlock, Calif.
Architect—None.
Contractor—John Green, 5422 Shafter Ave., Oakland. $2000

DWELLING
(2565) W WESLEY AVE 900 S Excelsior Blvd., Oakland. One-story 5-room dwelling.
Owner—Laura Laur, 3221 Ettie St., Oakland.
Architect—None.
Day's work. $5500

STORES.
(2566) SW COR TWENTY-THIRD ST and Telegraph Ave S 40 W 101.50 N 40 E 100.90, Oakland. Stores.
Owner—Phillipp Vetter, 444 Moss Ave., Oakland.
Architect—None.
Contractor—Fred Hambleton, 3737 13th Ave., Oakland.
Filed June 6, 1922. Dated June 6, 1922.
Ready for 1st story lintels....$6200
Ready for 2nd story lintels... 6200
Ready for plaster 6200
Conmpleted and accepted 6200
All bills paid 6200
TOTAL COST, $31,000
Bond, none. Sureties, none. Forfeit, $5 day. Limit, 90 days. Plans and specifications not filed.

DWELLING AND STORE
(2567) NW FOOTHILL BLVD and 60th Ave., Oakland. Six-room dwelling and store building, except except electric fixtures, wall bed and shades.
Owner—August Korber, 5354 Claremont Ave., Oakland.
Architect—None.
Contractor—W. T. Vaughn, 381 51st St., Oakland.
Filed June 6, 1922. Dated June 5, 1922.
First floor laid ..... ¼
Roof on ..... ¼
Plastered ..... ¼
Usual 35 days ..... ¼
TOTAL Cost, $5355
Bond, none. Sureties, none. Forfeit, none. Limit, 90 days. Plans and specifications not filed.

DWELLING
(2568) NO. 1210 ALAMEDA, Berkeley. One-story 5-room dwelling.
Owner—P. E. Marquis, 1023 Oxford St., Berkeley.
Architect—None.
Day's work. $2500

STORES
(2569) E COLLEGE 175 S Ashby Ave., Berkeley. One-story stores.
Owner—S. Morris, 1424 Jefferson St., Oakland.
Architect—None.
Day's work $7000

DWELLING
(2570) NO. 40 HILLCREST ROAD, Berkeley. One-story 5-room dwlg.
Owner—C. L. Bledsoach.
Architect—None.
Contractor—Louis Engler, 2940 Forest Ave., Berkeley $6500

DWELLING
(2571) NO. 2845 RUSSELL ST., Berkeley. Two-story 8-room dwelling
Owner—Ethel K. Knetsinger.
Architect—None
Contractor—Louis Engler, 2940 Forest Ave., Berkeley $7000

DWELLING
(2572) NO. 1719 SONOMA ST., Berkeley. One-story 7-room dwlg.
Owner—R. Y. Hanlon, 1825 Sonoma St., Berkeley.
Architect—None.
Contractor—W. E. Adams, 4319 Gilbert St., Oakland. $4800

DWELLING
(2573) NO. 1440 SANTA CLARA AVE., Alameda. Two-story 10-room dwlg
Owner—G. H. Faust, 910 Santa Clara Ave., Alameda.
Architect—None.
Day's work. $5500

DWELLING
(2574) BAY FARM ISLAND, Alameda. One-story 5-room dwelling.
Owner—J. S. Allen, 3015 Dana St., Berkeley.
Architect—None.
Contractor—E. B. & A. L. Stone, Claus Spreckels Bldg., S. F. $2900

DWELLING
(2575) NO. 1734 CENTRAL AVE., Alameda. One-story 5-room dwlg.
Owner—E. L. Shaw, 1531 Lafayette St., Alameda.
Architect—None.
Contractor — L. F. Kohendorfer, 2204 Lincoln Ave., Alameda. $5000

DWELLING
(2576) NO. 727 EAGLE AVE., Alameda. One-story 6-room dwlg.
Owner—H. Hallenleben, 262 7th St., San Francisco.
Architect—None.
Day's work. $3500

DWELLING
(2577) NO. 2262 SAN ANTONIO AVE., Alameda. One-story 5-room dwlg.
Owner—A. Anderson, 2109 Pacific Ave., Alameda.
Architect—None.
Contractor—L. Kohendorfer, 2206 Lincoln Ave., Alameda. $2950

DWELLING
(2578) N BISSELL 300 W 73rd Ave., Oakland. One-story 4-room dwlg.
Owner—F. E. Clarke, Syndicate Bldg., Oakland.
Architect—None.
Contractor — F. A. Lepley, 3406 Park Blvd., Oakland. $2250

DWELLING
(2579) SE BRYANT AND ADA, Oakland. One-story 5-room dwelling.
Owner—F. Grunewald, 406-A Hudson St., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(2680) N CAVANAUGH ROAD 10 E Creed Road, Oakland. One and one-half-story 6-room dwelling.
Owner—W. H. Leimert Co., Syndicate Bldg., Oakland.
Architect—None.
Contractor — A. Cederborg, 1445 Excelsior Ave., Oakland. $6000

DWELLING
(2581) N CAVANAUGH ROAD 10 W Creed Road, Oakland. One and one-half-story 5-room dwelling.
OwnerWalter Leimert Co., Syndicate Bldg., Oakland.
Architect—None.
Contractor — A. Cederborg, 1445 Excelsior Ave., Oakland $5600

DWELLINGS
(2582) S E-THIRTY-THIRD 70 and 110 W 13th Ave., Oakland. Two one-story 5-room dwellings.
Owner—H. W. McIntier, 1528 Franklin St., Oakland.
Architect—None
Day's work $3400 each

DWELLING
(2583) W HIGH 60 S Santa Rita Oakland. One-story 4-room dwelling.
Owner—J. Yuell, 2219 24th Ave., Oakland.
Architect—None.
Contractor—W. J. Myers, 4312 Virginia St., Oakland $2250

DWELLING
(2584) E LINCOLN AVE 75 S Scenic, Oakland. One-story 3-room dwlg.
Owner—Miss Hildegard Falk.
Architect—None.
Contractor — A. Cederborg, 1445 Excelsior Ave., Oakland. $1950

DWELLINGS
(2585) N SIXTY-FIRST 415, 448, 481 E San Pablo Ave., Oakland. Three one-story 4-room dwellings.
Owner—Justus Norris, 323 Grove St., Oakland.
Architect—None.
Day's work. $2000 each

DWELLING
(2586) S SAN JUAN AVE 170 W 40th Ave., Oakland. One-story 5-room dwelling.
Owner—Alice Graves, 4025 Mera St., Oakland.
Architect—None.
Contractor—H. D. Graves, 4025 Mera St., Oakland. $2750

DWELLING
(2587) W THIRTEENTH AVE 100 N E-18th, Oakland. Two-story 4-room dwelling and store.
Owner—E. Rump.
Architect—None.
Contractor — A. Frederick Anderson, 2800 Delaware St., Oakland. $4485

DWELLING
(2588 NW OAKLAND AND HIGHland Aves., Piedmont. Excavation, grading, concrete, carpenter, stair, brick, sheet metal, patent chimneys, composition floors and sinks, hardwoor floors, iron, lath and plaster, builder's hardware, canvas decks, window cleaning for two-story and basement frame dwelling
Owner—Mrs. Annie Hendry.
Architect—Houghton Sawyer, Hearst Bldg., San Francisco.
Contractor—Fred J. Westlund, 351 12th St., Oakland.
Filed June 7, '22. Dated June 5, '22.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $7368.35
Bond, $3684.18. Surety, New Amsterdam Casualty Co. Limit, 120 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
(2589) LOTS 5, 6, 7 NE 8 Lot 8 & SW 13 Lot 4 Blk "B" Map Thermal Hill Oakland. All work for two-story store and apartments.
Owner—W. Kissane, 667 39th St., Oakland.
Architect—None.
Contractor—Oliver Legault, 3004 Market St., Oakland
Filed June 7, '22. Dated June 7, '22.
Frame up ..... ¼
Brown coated ..... ¼
Completed ..... ¼
Usual 35 days. ..... ¼
TOTAL COST, $2900
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
SW TELEGRAPH AND TWENTY-third Sts., Oakland Two-story brick apartments and stores.
Owner—Phillipp Vetter, 444 Moss Ave., Oakland.
Architect—None.
Contractor—Fred Hambleton, 3737 13th Ave., Oakland $31,000
NOTE—Recorded contract reported June 7, 1922, No. 2566.

DWELLING
NO. 715 GRAND S., Alameda. Two-story 7-room dwelling.
Owner—H. Mei

Architect—Hamilton Murdock, Syndicate Bldg., Oakland.
Contractor—McIntosh Bros., 180 Jessie St., San Francisco. $6500
NOTE:—Recorded contract reported June 7, 1922, No. 2547.

RESIDENCE
(2590) NO. 260 LA SALLE AVE., Piedmont. Two-story 7-room residence
Owner—Albert Classen.
Architect—None.
Day's work. $7500

RESIDENCE
(2591) NO. 306 SAN CARLOS AVE., Piedmont. One and one-half-story six-room residence.
Owner—Walter Williams.
Architect—None.
Day's work. $6000

DWELLING
(2592) NO. 175 RONADA AVE., Piedmont. One-story 6-room dwelling.
Owner—H. S. Appleton.
Architect—None.
Day's work. $5000

DWELLING
(2593) NO. 140 NOVA DRIVE, Piedmont. One and one-half-story 6-room dwelling.
Owner—W. J. Baker, 2255 Ransome St., Oakland.
Architect—None.
Day's work. $5000

RESIDENCE
(2594) NO. 208 HILLSIDE AVE., Piermont. One and one-half-story 6-room residence.
Owner—Alice Fulton.
Architect—None.
Contractor — Alex C. Wieben, 908 Everett Ave., Oakland. $5200

RESIDENCE
(2595) NO. 202 MAGNOLIA AVE., Piedmont. One and one-half-story 7-room residence.
Owner—Dr. O. Vankirk.
Architect—None.
Contractor—L. B. Matheger Co., 1369 Hopkins St., Oakland. $5500

ALTERATIONS
(2596) NO. 1637 BERKELEY WAY, Berkeley. Alterations.
Owner—P. J. Congannon, Premises.
Architect—None.
Contractor—G. Johanson, 1357 Northside Ave., Berkeley. $2000

DWELLING
(2597) NO. 2943 ELMWOOD COURT, Berkeley. Two-story 8-room dwlg.
Owner — Thos. Harris, 2935 Elmwood Ave., Berkeley.
Architect—None.
Contractor—H. G. Stoner, 2547 Fruitvale Ave., Berkeley. $8000

DWELLINGS
(2598) NO. 1331 AND 1335 HASKELL, Berkeley. Two one-story 5-room dwellings.
Owner—P. J. Healy, 39 Nace Ave., Piedmont.
Architect—None.
Day's work. $2800 each

REPAIRS
(2599) NO. 1543 HOPKINS ST., Berkeley. Fire repairs.
Owner—J. E. Musgrave, Premises.
Architect—None.
Contractor—F. E. Allen, 2718 Regent St., Berkeley. $1750

DWELLING
(2600) NO. 1057 MARIPOSA ST., Berkeley. Two-story 8-room dwlg.
Owner—C. M. Adams, SW Webster & Dana Sts., Berkeley.
Architect—None.
Contractor—R. R. Bixby, 2417½ Webster St., Berkeley. $9000

DWELLING
(2601) NO. 2825 PIEDMONT, Berkeley One-story 5-room dwelling.
Owner—Brooks Palmer.
Architect—None.
Contractor—F. W. Thaxter, 2117 Derby St., Berkeley. $4800

DWELLING
(2602) E AUSEON AVE 50 S Plymouth Oakland. One-story 4-room dwlg.
Owner — S. Pontiz, 9846 Elmar Ave. Oakland.
Architect—None.
Contractor—V. Lambert, 1932 88th Ave. Oakland. $3200

DWELLING
(2603) E CROSBY AVE 200 S Harper, Oakland. One-story 5-room dwlg.
Owner—R. Woll, 3320 E-14th St., Okd.
Architect—None.
Day's work. $3300

DWELLING
(2604) S EL CENTRO AVS opp. Benveune Ave., Oakland. Two-story 6-room dwelling.
Owner—Oscar J. Johanson, Hotel Oaks, Oakland.
Architect—None.
Contractor—H. G. Patrick, 1002 Broadway, Berkeley. $5250

DWELLING
(2605) N E-TWELFTH 50 W 49th Ave., Oakland. One-story 4-room dwelling.
Owner—Mrs. Kate Croman, 9028 A St., Oakland.
Architect—None.
Contractor — James Pearce, 1351 Bay St., Alameda. $1600

STORES
(2606) S FOOTHILL BLVD 50 W 42nd Ave., Oakland. One-story stores.
Owner—E. T. Glasgow.
Architect—None.
Contractor—H. J. Burns, 2971 Elmwood Ave., Oakland. $3000

DWELLING
(2607) SW WARFIELD AND PRINCE, Oakland. One-story 6-room 2-family dwelling.
Owner — W. J. Baker, 2255 Ransome Ave., Oakland.
Architect—None.
Day's work. $5000

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted

June 8, 1922—(1) NW SUNNYSIDE Drive 303 NE E-14th NE 60 NW 181.54 SW 60 SE 181.50; (2) NW Sunnyside Drive 603 NE E-14th NE 40 NW 187.70 SW 40 SE 181.68; (3) SE Sunnyside Drive 363 NE E-14th NE 60 SE 179.99 SE 40 NW 180.02; (4) SE Sunnyside Dr 160 NE E-14th NE 40 SE 180.05 SE 40 NW 180.08, San Leandro. Darling, Harding & Co to whom it may concern .....June 7, 1922

June 8, 1922—NE DERBY AND Ellsworth E 32xN 95, Berkeley. Jas W Brazier to whom it may concern.....June 7, 1922

June 7, 1922—S VINE 55 W Henry W 56xS 64, Berkeley. Bessie B and Frank Broadhead to whom it may concern.....June 5, 1922

June 7, 1922—SHATTUCK AVE, Russell, Oregon and Stuart Sts., Los Angeles Ave and Spur at Stanford Ave and Hollis St., Berkeley. S. P. Co. to Hutchinson Co.June 2, 1922

June 7, 1922—NO. 1632 KAINS AVE., ——. Mrs. J Riggio to S G Johnson .....June 6, 1922

June 7, 1922—LOT 22 and SW 8 Lot 23 Blk "D" Map Hemphill Tract, Oakland. M and F Castro to E T Matteson.....June 6, 1922

June 7, 1922—NW FIFTH AND Cypress W 131.25 N 186.50 E 131.25 S 186.50, Oakland. John L and Joseph Z Todd to C M MacGregor .....May 29, 1922

June 6, 1922—PTN LOTS 3 AND 4 Blk 3, Barker Tract, Berkeley. B K Denbigh by James W Plachek to Conner & Conner.....June 6, 1922

June 6, 1922—LOT 22 BLK 1 Map Berkeley Heights, Berkeley. J W Krafft to whom it may concern.. .....June 5, 1922

June 6, 1922—PTN LOT 25 Map Piedmont Springs Tract, Piedmont. L R Pollard to Fred C Stolte..... .....June 1, 1922

June 5, 1922—LOT 25 BLK 11, Thousand Oaks, Berkeley. H E Sparks to whom it may concern..June 3, 1922

June 5, 1922—LOT 1 BLK 2 Map Kinsell Tract No. 2, Oakland. G A Kooken to C L Hewitt ..June 2, 1922

June 5, 1922—NO. 8621 HILLCREST Ave, Oakland. David C Leitch by Margt. H Leitch to whom it may concern.....June 3, 1922

June 5, 1922—LOT 11 BLK "D" Lakeshore Terrace. Alfred H Luebkeman to Chas Roger.....June 5, 1922

June 5, 1922—PTN PLOT "F" Undivided Mountain or Hill Land V & D Peralta, Oakland. Pacific Gas & Electric Co to N Clark & Sons... .....May 26, 1922

June 5, 1922—LOT 23 Sheet No. 2 Map Nova Piedmont, Piedmont. R H Chamberlain and J and Louisa F Chamberlain to whom it may concern.....June 5, 1922

June 2, 1922—LOT 14 BLK "D" Map Maxwell Park, Oakland. J H A Shealey to whom it may concern.. ....May 31, 1922

June 2, 1922—LOT 25 BLK "D" Map Maxwell Park, Oakland. J H A Shealey to whom it may concern.. .....May 31, 1922

June 2, 1922—LOT 15 BLK "D" Maxwell Park, Oakland. J H A Shealey to whom it may concern.May 31, 1922

June 2, 1922—NO. 1241 EVELYN ST., Berkeley. Dorothy M Brown to whom it may concern...May 15, 1922

June 2, 1922—LOT 2 BLK "F" Northbrae Terrace, Berkeley. G L Parmenter to whom it may concern.....May 6, 1922

June 2, 1922—NW CARLETON AND Mabel, Berkeley. E J Nutting to whom it may concern..May 29, 1922

June 3, 1922—LOT 52 BLK 1, Havenscourt, Oakland. S Damgaard to whom it may concern..May 27, 1922

June 3, 1922—LOT 18 BLK "F" Map Lakeshore Terrace, Oakland. Karl S Fredrickson to whom it may concern.....March 1, 1922

June 3, 1922—LOT 25 BLK "D" Map Oakland Highlands, Oakland. C J Rheberg to whom it may concern.....June 2, 1922

June 2, 1922—LOTS 7 AND 8 BLK 15 Northbrae Tract, Berkeley. James E Rother to whom it may concern .....June 1, 1922

June 2, 1922—LOT 27 BLK Q Map No. 2, Sbdvn Ptn Central Oakland Tct East Telegraph Ave., Oakland. H C and D M Brunkhorst to Jos Flittner .....June 2, 1922

June 2, 1922—NO. 2317 ROSEDALE Ave, Oakland. K Karpov to whom it may concern.....June 1, 1922

June 2, 1922—ENCINAL AVE bet. Morton St. and Versailles Ave., Alameda. S. P. Co. to Hutchinson Co.....June 1, 1922

June 2, 1922—BANCROFT AVE from 105th Ave to Dutton Ave., Okd. S. P. Co. to Hutchinson Co..... .....May 31, 1922

June 2, 1922—PTN LOTS 21 AND 22 Blk 2 Map The Highlands, Berkeley P E Marquis to whom it may concern, ...June 1, 1922

LIENS FILED

ALAMEDA COUNTY

Recorded Amount

June 6, 1922—NO. 725 JEAN ST., Oakland. Sam Pedgrift vs J C Radford and McWethy & Greenleaf....$315.03

June 6, 1922—S FIFTEENTH 95 E West E 75 S 82.5 W 30 S 7.5 W 45 N 90, Oakland. Fred Waring vs Wadsworth F and Lillian F Williams $217.83

June 3, 1922—SE SHERMAN AND Clinton Ave S 50xE 103, Alameda. A C Christensen vs William and Margaret L Martin.....$605.50

June 3, 1922—NE TWELFTH AND Campbell E 35xN 110, Oakland. Gustav Meyer vs Fred Rohrer and Auguste Rohrer. John Doe and Richard Roe $306.16

June 2, 1922—S 12½ LOT 20 and all Lot 21 Blk 7 Map Key Route Heights, Oakland. Arthur Henry Seecombe vs Lewis A Raleigh and William Pembrook $86

June 2, 1922—SE TREADWELL AVE and Marlin 277x195.22, San Leandro Bay Wrecking Co vs Mr. and Mrs. M Malbouef and Ivan G Treadwell $647.83

Notice of Non-Responsibility

ALAMEDA COUNTY

June 2, 1922—LOT 166 Map Resbdvn Blk "D" Meek Estate Orchards, Hayward. H W Meek Estate Co as to improvements on property..

June 2, 1922—LOT 168 Map Resbdvn Blk "D" Meek Estate Orchards, Hayward. H W Meek Estate Co as to improvements on property..

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount

June 6, 1922—LOT 11 BLK 'D" Map Lakeshore Terrace, Oakland. A Jaronski to A H Luebekeman et al $135

CESSATION OF LABOR

ALAMEDA COUNTY

June 3, 1922—LOT 99 Map Piedmont by-the-Lake, Oakland. I R McIntyre with Pete Johnson. Work ceased .....April 29, 1922

OAKLAND BUILDING TOTALS FOR MAY, 1922

Classification of Buildings.	Permits.	Cost.
1-st dwellings	252	$730,725
1-st dwelling and store	1	3,000
1-st 2-family dwelling	3	14,700
1½-st. dwellings	6	27,300
2-st. dwellings	24	159,815
2-st flats	9	85,800
2-st apartments	3	46,000
2-st apartmts and stores	1	20,000
3-st apartments	2	52,000
1-st stores	7	27,534
1-st offices	3	2,082
1-st greenhouse	1	3,500
1-st shop	1	200
1-st clubhouse	1	15,624
1-st auditorium	1	13,038
1-st factories	2	2,580
1-st tea room	1	700
1-st planing mill	1	750
1-st concrete garage	2	800
1-st concrete office bldg.	1	100,000
1-st concrete pump house	1	5,000
3-st concrete office and theatre building	1	350,000
1-st concrete vault	1	30,000
2-st concrete offices	1	10,800
4-st concrete market and office building	1	175,000
1st steel service station	5	16,600
1-st steel comfort sta	1	1,000
1-st. brick garage	2	16,750
1-st. brick stores	2	17,000
1-st. brick service station	1	1,200
2-st. brick warehouse	1	30,000
2-st. brick and tile fact.	1	50,000
1-st. tile garage	4	14,300
1-st. tile stores	3	18,200
2-st. tile apartments	1	8,000
1-st. tile battery station.	1	4,000
Electric signs	16	4,650
Roof signs	1	125
Tank frame	1	1,950
1-st. frm. garages, sheds.	186	33,567
Additions	109	43,532
Alterations and repairs.	151	75,293
Total	813	$2,243,745

BUILDING CONTRACTS

SANTA CLARA COUNTY

$1000 and Over Reported

BUNGALOWS
SAN JOSE. All work for two one-story frame and plaster bungalows.
Owner—E. Mailand, San Jose.
Architect—G. J. Luebben and E. Mailand, 843 Delmas St., San Jose.
Contractor—T. H. Herschbach, Bank of San Jose Bldg., San Jose.
Filed June 1, '22. Dated June 1, '22.
As work progresses..... 90%
30 days after..... 10%
TOTAL COST, $11,348.50
Bond, limit, forfeit, none. Plans and specifications filed.

RESIDENCE
PALO ALTO. All work for two-story brick and frame residence.
Owner—C. W. Marwedel, 76 1st St., San Francisco.
Architect—Edgar A. Mathews & Horace G. Simpson Call Bldg., S. F.
Contractor—E. T. Leiter & Sons, Call Bldg., San Francisco.
Filed June 2, '22. Dated May 20, '22.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $24,367
Bond, none. Limit, 110 working days from May —. Forfeit, none. Plans and specifications filed.

DWELLING, ETC.
STANFORD FARM, Santa Clara Co. All work for one-story frame dwelling, garage with room adjoining, garden wall and terrace.
Owner—Helen Masters Bunting, Stanford University, Palo Alto.
Architect—Henry H. Gutterson, 278 Post St., San Francisco.
Contractor—Frank Fox, 825 Cowper St., Palo Alto.
Filed June 2, '22. Dated May 23, '22.
Frame completed $2037
Brown coated inside and out.. 2037
Completed and accepted..... 2037
Usual 35 days..... 2037
TOTAL COST, $8148
Bond, $4074. Surety, W. P. Gray. Limit, 100 working days from May 23, 1922. Forfeit, none. Plans and specifications filed.

COTTAGE
LOT 15 BLK 5 Hanchett Park, San Jose. All work for one-story frame cottage.
Owner — F. D. Fowler, — Sunol St., San Jose.
Architect—None.
Contractor—E. E. Weldon, 115 North 33rd St., San Jose.
Filed June 1, '22. Dated May 29, '22
Plates up $910
1st coat plaster on..... 910
Building completed 910
Usual 35 days 910
TOTAL COST, $3760
Bond, $3760. Sureties, F. P. Heringer and Chas. H. Du Rose. Limit, forfeit, none. Plans and specifications filed.

STORE BLDG.
PALO ALTO. All work for one-story Class C store building.
Owner—V. V. Harrier, Palo Alto.
Architect—Birge Clark, Stanford University, Palo Alto.
Contractor—E. M. Walters and E. T. Grove, Monadnock Bldg., S. F.
Filed June 1, '22. Dated May 29, '22.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $23,160.50
Bond, $11,580.25. Sureties, Fidelity & Deposit Co. of Maryland. Limit, Sept. 25, 1922. Forfeit, $15 a day. Plans and specifications filed.

STORE BLDG.
PALO ALTO. All work for reinforced concrete store building.
Owner—E. L. Hyde, Palo Alto.
Architect — Birge M. Clark, Stanford University, Palo Alto.
Contractor—Walters & Grove, Monadnock Bldg., San Francisco.
Filed June —, '22. Dated May 31, '22.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $8175
Bond, $4087.50. Surety, Fidelity & Deposit Co. of Maryland. Limit, on or before Sept. 10, 1922. Forfeit, $5 a day. Plans and specifications filed.

ALTERATIONS
SAN JOSE. All work for alterations and additions to two-story building.
Owner — The Druids Hall Association, San Jose.
Architect—Binder & Curtis, 255½ S First St., San Jose.
Contractor — Youngquist & Berg, 200 Naglee Ave., San Jose.
Filed June 3, '22. Dated June 1, '22.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $9583
Bond, $4791.50. Sureties, A. L. Hubbard and John Lindgren. Limit, on or before Sept. 1, 1922. Forfeit, none. Plans and specifications filed.

RESIDENCE
FIRST AND CLAYTON STS., San Jose. All work except roof tile for two-story frame residence.
Owner—F. Lyne, 452 E-Santa Clara St., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor — Petrie & Furtwangler, San Jose.
Filed June 5, '22. Dated June 5, '22.
Frame up and rafters on....$2867.50
1st coat plaster inside & out 2867.50
Completed and accepted 2867.50
Usual 35 days..... 2867.50
TOTAL COST, $11,470
Bond, $5735. Sureties, Chas. A. Payne and A. L. Hubbard. Limit, 100 working days from June 5, 1922. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted

June 3, 1922—GILROY. Geo Millas to J C McLeod..... June 1, 1922

June 3, 1922—SAN JOSE Mae E Hill to M M David June 1, 1922

June 1, 1922—SAN JOSE L C Rossi to whom it may concern .....May 26, 1922

LIENS FILED

SANTA CLARA COUNTY.

Recorded Amount

June 5, 1922—NEAR SANTA CLARA Stockton Fire Brick Co vs Homer Knowles Pottery Co .....$81[illegible]

June 5, 1922—NEAR SANTA CLARA Stockton Fire Brick Co vs Frank L Hoyt $3045.53

BUILDING CONTRACTS

FRESNO COUNTY.

$5,000 and Over Reported

ALTERATIONS
243 BLACKSTONE AVE., FRESNO. Alter dwelling.
Owner—E. J. Bullard.
Architect—None.
Contractor—W. F. Jennings, Bullard Tract, Fresno. $10,000

DWELLING.
1062 SAN PABLO AVE., FRESNO. Dwelling.
Owner—Fred Jones, 444 Inez St., Fresno.
Day's Work. $5000

DWELLINGS.
2000 BLOCK on Harvey St., Fresno. Six dwellings.
Owner—W. E. Opie, 725 Clark St., Fresno.
Architect—None
Contractor—Routt Lumber Co., 2011 Tyler St., Fresno. $1000 each

GARAGE.
COR E AND MERCED STS., FRESNO. Garage.
Owner—Jersey Farm Dairy, 1829 Tuolumne St., Fresno.
Architect—None.
Contractor—Prichard Bros., Blackstone and McKinley Sts., Fresno. $16,800

DWELLING, $6000. No. 3311 Mono St., Fresno; owner, S. Leguina, 1036 Fresno St., Fresno; contractor, W. P. Snare, Fountain Way, Fresno.
STORE, $40,000. 1111-29 Broadway, Fresno; owner, Kutner-Goldstein Co., 1801 Mariposa St., Fresno; contractor, E. Riggins, 1525 Q St., Fresno.
ALTER PLANT, $6000. H and San Benito Sts., Fresno; owner, California Peach and Fig Growers, 2137 Fresno St., Fresno; contractor, Jas. McCullough, 3905 Mono St., Fresno.

COMPLETION NOTICES

FRESNO COUNTY.

Recorded Accepted
June 5, 1922—E 112.4 ft. of N 387.54 ft. of E 5 acres of Lot 120, Montpelier Tract, Fresno. Conrad Q. Young to whom it may concern.. .....June 3, 1922
June 3, 1922—LOTS 34 AND 35 BLK 7, Van Ness Heights, Fresno. Peter J Anderson to whom it may concern.....June 2, 1922
June 3, 1922—E ½ LOT 21, Normal Villa, Fresno. A T Holman to whom it may concern...June 3, 1922
June 3, 1922—LOTS 16 AND 17 BLK 2, Lisenby Tract, Fresno. Henry Ratzlaff to whom it may concern.. .....June 3, 1922
June 3, 1922—LOT 1 Pearl Heights, Fresno. W N Howard to whom it may concern.....June 3, 1922
June 3, 1922—LOTS 25 AND 26 BLK 24, Arlington Heights Tct, Fresno. Manoog Monoogian to whom it may concern.....May 30, 1922
June 3, 1922—LOTS 31 AND 32 BLK 29, Clovis, Fresno. Roy E Pack to whom it may concern...June 2, 1922
June 2, 1922—LOTS 26 AND 27 BLK 5, Torrance Terrace, Fresno. J W Hedrick to whom it may concern.. .....May 31, 1922
June 2, 1922—E ½ LOTS 17 TO 20 Blk 2, North Park Terrace, Fresno. Belle B Millward to whom it may concern.....June 1, 1922
June 2, 1922—REAR 60 FT. OF LOTS 12 to 16 Blk 150, Fresno. Wm H and Esther E Laughlin to whom it may concern.....May 31, 1922
June 2, 1922—LOTS 35 & 36 Kroeger Addition, Fresno. Mable W Holcomb to whom it may concern... .....May 29, 1922
June 2, 1922—LOTS 35 AND 36 BLK 8, Torrance Terrace, Fresno. F H McGinnis to whom it may concern. .....May 31, 1922
June 2, 1922—LOTS 28 AND 29 BLK 61, East Fresno. L K Coke to whom it may concern....June 1, 1922
June 1, 1922—LOT 8, BLK 67, Sierra Vista Add No 3, Fresno. Fresno Bldg. Corp to whom it may concern .....May 31, 1922
May 31, 1922—LOTS 7 and 8, BLK 7, Calwa Townsite, Fresno. E. G. Kloehn to whom it may concern .....May 22, 1922
May 31, 1922—LOTS 17 and 18, Zappa Park No. 2 ,Fresno. Andrew Chitty to whom it may concern.. .....May 29, 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount
June 6, 1922—LOTS 7 AND 8 BLK 9, South Fresno Addition, Fresno. L Rosenberg vs John Henscil..$108
June 1, 1922—LOT 27 BULLARD N Fresno Add, Fresno. Fresno Lumber Co. vs. J. V. Bellson and E. A. Bullard $70.00

BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 and Over Reported

DWELLING
N ½ LOT 1804 and S ½ LOT 1805, W. and K. Tract 24, Sacramento. All work for dwelling.
Owner—W. E. Coffman, 1114-D O St., Sacramento.
Architect—None.
Contractor—H. W. Robertson.
Filed June 2, '22. Dated ——.
TOTAL COST, $4444
Bond, limit, forfeit, none. Plans and specifications, none.

MECHANICAL EQUIPMENT
E 30 FT. LOT 6 and all Lot —, K. L, 6th and 7th Sts., Sacramento. Mechanical equipment for five-story warehouse.
Owner—John Breuner Co., 600 K St., Sacramento.
Architect—Dean & Dean, City Library Bldg., Sacramento.
Contractor — Latourrette-Fical Co., Sacramento Blvd. and 35th St., Sacramento.
Filed June 2, '22. Dated May 16, '22.
TOTAL COST, $24,100
Bond, limit, forfeit, plans and specifications, none.

OIL AND GAS SERVICE STATION, one-story, $4500; No. 3901 J St., Sacramento; owner, E. C. Tregallis and J. R. Renucci, 3827 J St., Sacramento; contractor, Standard Oil Co., 1508 Stockton Blvd., Sacto.
ADDITION, one-story (5 apartments, 3 rooms each), $12,130. 2020 J St., Sacramento; owner, Alex K. Ansen, 2020 J St., Sacramento; contractor, A. W. Norris, 204 Peoples Bank Bldg., Sacramento.
DWELLING and garage, $4914. 1625 37th St., Sacramento; owner, J. V. McKinney, 417 21st St., Sacrmento; contractor, A. W. Norris, 204 Peoples Bank Bldg., Sacramento.
DWELLING, one-story 5-room, $4642. 2409 2nd Ave., Sacramento; owner, Harry Eberhardt, Hotel Kay Apts., Sacramento; contractor, A. L. Johnson, 2605 Portola Way, Sacramento.
DWELLING, one-story 5-room, $3800. 1221 T St., Sacramento; owner, Jack Roberts, 1705 U St., Sacramento; contractor, Warren & Beebe, 2009½ I St., Sacramento.
DWELLING, one-story 5-room, and garage, $2800. 3139 5th Ave., Sacramento; owner, Roy Linlbrangh, 3518 1st Ave., Sacramento; contractor, J. S. Farrington, 3100 Marshall Way.
DWELLING, one-story 5-room, $3800. 1217 T St., Sacramento; owner, Peter Sineni, 1705 U St., Sacramento; contractor, Warren & Beebe, 2009½ I St., Sacramento.
DWELLING, one-story 4-room and garage, $2500. 2331 33rd St., Sacramento; owner, Pribble & McKnight, 3126 Sacramento Blvd., Sacramento; contractor, P. R. Opdyke, Route 1, Box 68, Sacramento.
FLATS, two-story (4), 4-rooms each, $10,868. 821 P St., Sacramento; Owner—Mary Duffy, Sacramento; contractor, M. F. McKenzie, 1126 T St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY.

Recorded Accepted
June 3, 1922—LOT 107 Lemon Hill Tract, Sacramento. Mrs. Pearl Tym to whom it may concern.. .....May 20, 1922

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

$2,500 and Over Reported

BUILDING
LOTS 19 AND 20 BLK 10, Revised Map of North Manteca, San Joaquin Co. All work for building.
Owner—G. Franzia.
Architect—None.
Contractor—D. W. Baysinger, Manteca.
Filed June 2, '22. Dated May 31, '22.
TOTAL COST, $10,424
Bond, none. Limit, before Aug. 31, 1922. Forfeit, none. Plans and specifications, none.

HEATING SYSTEM
LOT 1 SBDVN NO. 6, Stockton Acres, Stockton. All work for heating and ventilating Victory School building.
Owner—Board of Education of the City of Stockton.
Architect—Losekann & Clowdsley, Elks Bldg., Stockton.
Contractor—Latourrette-Fical Co., 276t Sacramento Blvd., Sacramento.
Filed June 1, '22. Dated May 23, '22.
Payments not given.....
TOTAL COST, $19,960
Bond, none. Limit, 190 working days. Forfeit, plans and specifications none.

RESIDENCE, $2500. E Market St., Stockton; owner, Bert Ghiglieri, Stockton; day's work.

PIERCE-BOSQUIT
Abstract & Title Co.
Capital Stock $100,000
Sacramento, Placerville, Nevada City, Reno
SACRAMENTO OFFICE
ROSS E. PIERCE, Manager
905 SIXTH STREET

AUDITORIUM, $10,000. N San Joaquin St., Stockton; owner, Board of Education, Stockton, Cal.; architect, Louis F. Stone, Belding Bldg., Stockton; contractor, Shepherd & Riley, Yosemite Bldg., Stockton.

RESIDENCE and garage, $5200. N Hunter St., Stockton; owner, A. R. Reelhorn, 157 E. Wyandotte St., Stockton. Day's work.

2 RESIDENCES and garages, $4000 each. N Regent St., Stockton; owner, Wm. Peenstra, 631 E. Hazelton St., Stockton. Day's work.

AUDITORIUM, $10,000. N San Joaquin St., Stockton; owner, Board of Education, Stockton; architect, Louis F. Stone, Belding Bldg., Stockton; contractor, Shepherd & Riley, Yosemite Bldg., Stockton.

APARTMENTS, $7500; W-Oak St., Stockton; owner, N. Mogel; day's work.

BUILDING CONTRACTS

CONTRA COSTA COUNTY

DWELLING, one-story frame, $2800; S Chamber St. bet. 19th and 20th Sts.; owner, A. J. McNany, 824 7th St., Richmond; day's work.

DWELLING, one-story frame, $3000. E 6th bet. Barrett and Ripley, Richmond Owner, H. L. Paris, RFD 223, Richmond. Day's work.

DWELLING, one-story frame, $2650. Barrett bet. 18th and 19th, Richmond; owner, H. A. Mathiot; contractor, H. E. Sullivan, 629 Elm St., El Cerrito.

DWELLING, one-story frame, $2500. E 8th bet. Penn and Lucas, Richmond; owner, W. R. Schimmeyer, 1024 Barrett St.; contractor, E. A. F. Carson, 542 4th St., Richmond.

BUILDING CONTRACTS

SAN MATEO COUNTY

APARTMENTS

WEST SIDE OF MAIN ST near Burlingame Ave., Burlingame, Cal. Furnish and construct two-story reinforced store and apartment building.

Owner—A. S. Daudistel, 1120 Burlingame Ave., Burlingame.

Architect—E. L. Norberg, 595 Market St., San Francisco.

Contractor—Charles Pederson, 118 10th St., San Mateo, Cal.

Filed May 26, 1922. Dated May 24, 1922. 5th of each month estimates of 60% At completion not to exceed... 75%
Usual 35 days 6..... 25%
TOTAL COST, $17,885

Bond, $8943. Sureties, Wm. F. Turnbull and J. F. Turner. Forfeit, none. Limit, 105 days. Plans and specifications filed.

STORES

NW BROADWAY AND LAGUNA ST., 50.20x127, Burlingame. All work for one story reinforced concrete store building.

Owner—Annie Atkins, Burlingame.

Architect—Grace Jewett, 57 Post St., San Francisco.

Contractor—Charles Pederson, Burlingame.

Filed June 1, '22. Dated May 27, '22.
Concrete poured $2350
Plastered 2350
Completed 2350
Usual 35 days 2350
TOTAL COST, $9400

Bond, $4500. Sureties, J. F. Turner and Wm. F. Turnbull. Limit, 80 working days. Forfeit, $5. Plans and specifications filed.

BUNGALOW

LOTS 8 AND 9 BLK "B," Oak Villa Homestead, Redwood City. All work for one-story bungalow.

Owner—P. N. Lange, Redwood City.

Architect—None.

Contractor—Louis N. Pollard, Redwood City.

Filed June 5, '22. Dated June 5, '22.
Roof on $916.25
Plastered 916.25
Completed 916.25
Usual 35 days..... 916.25
TOTAL COST, $3665.00

Bond, $1830. Sureties, W. P. Gray and Z. T. Thorning. Limit, 35 working days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded — Accepted

June 6, 1922—LOT 13 BLK 1, Burlingame Terrace, Burlingame, Cal. F. M.Neher to whom it may concern .....June 5, 1922

June 5, 1922—PTN LOT 36 Main St. Lots, Redwood City. Mary D Russ to Guss Waller.....June 5, 1922

June 5, 1922—LOT 138, San Mateo Park, San Mateo. E H Rix to John Morton.....May 31, 1922

June 1, 1922—LOT 22 BLK EASTON No. 1, Burlingame. Sydney Brittain to whom it may concern... .....May 31, 1922

June 2, 1922—LOT 29 TAYLOR ADD to San Mateo, San Mateo, Cal. Louis Rebele to Thomas J. Broderick .....May 23, 1922

May 31, 1922—LOT 10, BLK 5, Burlingame Park No. 2, Burlingame, Cal. George J. Klein to Ivan D. Peterson .....May 20, 1920

May 31, 1922—LOT 27, PART OF 26, Blk 25, San Carlos. Mercantile Trust Co. to Ben Zimmerman.... .....May 27, 1922

May 31, 1922—LOT 1 and Part of LOT 10, Blk 19, San Carlos, Cal. Mercantile Trust Co. to Ben Zimmerman .....May 29, 1922

May 31, 1922—LOT 6A and Part of Lot 6B, Blk 18, San Carlos, Cal. Mercantile Trust Co. to Ben Zimmerman .....May 29, 1922

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SAN MATEO COUNTY

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June 5, 1922—E ½ SEC. 10 T. 8, South M. D. M., San Mateo. Frank Coan vs Western Paraffine Petroleum Co.....$1715

RELEASE OF LIENS

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May 29, 1922—LOT 18 BLK 7, Easton Addition No. 1, Burlingame. Wisnom Bauner Hardware Co to Eugene McCarthy and T A Oaks.. .....$140.07

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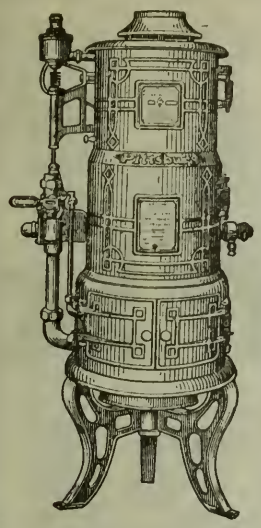

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Published Every Saturday
Twenty-second Year No. 24

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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CALIFORNIA PRODUCTS OUTPUT TOTAL $3,000,000,000 ANNUALLY

Products valued at nearly three billions of dollars are California's annual output, according to a compilation just completed by the Research Department of the San Francisco Chamber of Commerce.

These figures, embracing the production of factories, farms, mines, livestock ranges, forests and hydroelectric projects, were secured from many sources and are as of the year 1919, the date of the latest United States Census of Manufacturers.

The most productive activity of the state, as revealed by the figures as tabulated, is manufacturing. This, in 1919, amounted to $1,933,894,701, or 64.4% of the state's total.

The three principal manufactured products in 1919 were (1) petroleum products, (2) canned and preserved fruits and vegetables; (3) shipbuilding.

Agriculture is the second most important industry, producing crops valued at $587,601,000, or 19.6% of the total.

Fruits and nuts were the most important crops in the group, with cereals, and hay and forage, second and third respectively.

Petroleum is the most valuable mineral product of the state, constituting $142,610,000 of the total mineral production of $196,473,560. Minerals make up 6.5% of the state's total output.

Livestock valued at $185,185,000 is produced annually in California. This group, 6.2% of the state's total, embraces beef cattle, $63,000,000; dairy products, $56,000,000; chickens and eggs, $35,000,000, and other minor products.

Lumber and timber products to the value of $47,310,000 and electric light and power to the value of $47,148,389 were produced the same year.

Each of these groups constitutes 1.6% of the state's total.

GERMANY EXPERIMENTS WITH CONCRETE RAILROAD CARS

Public Ledger Service says: "The principle of re-enforced concrete construction, hitherto applied successfully to building lighters and even steamers, is now being tested in Germany in the manufacture of freight cars with encouraging results. The first flat cars and gondola cars of fifteen tons' capacity have undergone successful tests as to strength and stability, withstanding collisions when moving with a full load at twelve to fifteen miles per hour.

"The chief advantage of the re-enforced concrete cars in addition to their cheapness and ease of construction is their resistance to weak acids in such freight as coal, slack, etc., which attack and quickly eat away the metal parts in iron and steel cars. Cars of fifteen and twenty ton capacity are somewhat heavier than steel cars of the same size, but this difference disappears in forty-ton cars with which the German state railroads, following the trend of the times, plan to re-equip their lines."

SACRAMENTO BUILDERS TO DISCUSS PROPOSED WAGE CUTS

A joint meeting of the Sacramento Builders' Exchange and the Sacramento Building Trades Council will be held in that city, Monday evening, June 19, to discuss a wage reduction as proposed by the Builders' Exchange. Six weeks ago, the Builders' Exchange proposed a wage cut, which, according to W. J. Leflar, business agent of the Building Trades, has not been taken seriously by the union crafts of the city. With every skilled laborer employed and the demand greater than the supply. Leflar is confident that the present scale will be continued.

The plan proposed by the Builders' Exchange would involve the following reductions: Plasterers from $10.15 to $10 a day; painters, $8.35 to $7.35 a day; plumbers, $10.25 to $9; and carpenters, $8.35 to $8.

A. W. Norris, president of the Builders' Exchange, declares that he did not think the reduction would interfere with local building. Leflar, on the other hand, stated that if the reduction is put into effect, many men will go to the bay region, where the scale is said to be higher.

MERCED COUNTY PLANS EXTENSIVE ROAD IMPROVEMENTS

The Merced County Supervisors have allowed petitions to form a road district to finance construction of approximately fourteen miles of asphaltic-concrete roads costing about $18,000 a mile. The pavement will be 5 inches thick and 16 feet wide. The proposed work is outlined as follows: Six miles closing the gap in the county highway system between Volta and Gustine; three and one-half miles connecting Dos Palos with the state road at the county line; three-quarters of a mile connecting Dos Palos with the Fresno county line; four miles from the Gustine-Volta road to connect it with the state highway as it comes over the hill from Pacheco pass to Las Banos.

SEEK USE OF MORE PERMANENT MATERIALS IN BUILDING

As a part of a nation-wide campaign designed to foster the use of more permanent materials in building, the Copper and Brass Research Association, New York, has announced a contest for school children and others, offering cash prizes for the best photographs showing the relative durability of materials which go into the construction of American homes.

Some idea of the cost to this country of the practice of building for speculative profit rather than for use is evidenced by the result of a statistical study just completed by the Copper and Brass Association. The fire loss on the 21,000,000 Americsan homes, insured as they are for a total of $91,700,000,000, is about $35,000,000 a year, based on figures for 1918 to 1920, inclusive. The rust bill, covering the renewal of sheet metal work, principally leaders and gutters, plumbing pipe, hardware, etc., is annually twenty times that sum.

The effort to show the public wastefulness of the use of materials which need early and frequent replacement, is a part of the present intensive campaign of the Copper and Brass companies of the country to increase the use of those metals in domestic consumption. The photographic contest is a part of that campaign.

Fourteen prizes ranging from $150 to $10 will be awarded for photographs of copper and brass objects of utility or ornamentation, which to qualify must have been in use more than 35 years. Included are copper roofs, brass door knockers, old copper cooking utensils, brass plumbing pipe. Fourteen additional prizes of similar amounts are offered for the best photographs showing the results of using substitutes for copper and brass.

NATIONAL AGENCIES TO ELIMINATE STRIKES IS PROPOSED

Establishment of national agencies to eliminate strikes and other troubles of the building industry, is urged by John Donlin, president of the building trades department of the American Federation of Labor, who told the department annual meeting in Cincinnati, that the "whole nation is tired of strikes and lockouts and disgusted with such institutions that make them possible." Unless the industry remedies its troubles, he said, "We must admit the industrial court is necessary.

For solving the strike problems, Mr. Donlin advocated a board of labor union officials, vested with all responsibility for strikes, and he compared its authority in strike control with that of Congress in making war. For other troubles of the industry he favored periodical meetings of the union chiefs to promote harmony among the various crafts and also the creation under supervision of a government department, of a council of all elements in any way connected with the industry.

"The only way to minimize strikes and lockouts is to minimize such authority as can order a lockout or strike," he said, adding that persons responsible for strikes in cities are always in the minority and often include "hired disturbers."

New York building permits run $6.80 per capita, Chicago $3.80 and Los Angeles $105.60.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

What has become of the program for road construction by the use of convict labor through the mountain districts of California, under the act passed by the state legislature some eight years ago? This is the question that Mayor Truman G. Hart of Fresno is revolving in his mind, and it is his purpose this summer to make an investigation to ascertain why Fresno County has never had the use of convicts for mountain highway construction. When the bill was before the legislature, Hart was one of the leading advocates of its passage, and spent considerable time at Sacramento in the interests of the bill. At that time he anticipated that Fresno County would benefit materially by the use of convict labor for road building.

The California Electric Heating Co. will erect a $100,000 plant in Los Angeles, Calif., on or before October, according to an announcement of W. Harry Vance, vice-president of the company. Upon the completion of the factory Los Angeles will become a distributing point for 11 Western States, Mexico, South America and the Orient. A combined electric heater and fan will be the product of the new company. This product has just been patented and put on the market. The California Electric Heating Co. was recently organized with a capital stock of $400,000 and is headed by John W. Kemp, president of the Public League, and for five years a member of the Public Service Commission of Los Angeles.

Carl C. Smith and O. G. Foelker, Oakland inventors, have filed suit against the Chevrolet Motors Co. of California for $12,000 alleged due to them as royalties on a device for loading automobiles into railroad cars, which Smith and Foelker claim they have invented. More than 18,000 automobiles have been handled by their device, they assert. According to the complaint of Smith and Foelker the Chevrolet Motors Company of California, on May 18, 1918, accepted their loading device, with the understanding that Smith and Foelker were to be paid a royalty. Since then they have received nothing and they now ask the court to declare 25 cents an auto a reasonable recompense.

Plans have been perfected in San Francisco for the holding of a Home Beautiful show in the Municipal Auditorium starting June 25, which will be the first exposition of its kind to be held on the Pacific Coast, catering exclusively to women. Only such things as tend to make the home a more comfortable, convenient and beautiful place to live in will be shown. This will include furniture, carpets, draperies, electrical appliances, kitchen utensils, china and glassware, stoves, ranges, silverware, heating appliances and the like.

Bend, Ore., lumber mills have announced a wage increase of 25 cents a day, effective June 16. The announcement was made following a meeting with the conference committee of the Loyal Legion of Loggers and Lumbermen. A letter to employes said that the country is now slowly getting back to normal and the companies feel warranted in making the increase. Approximately 1500 men will be affected.

Negotiations which may end in a $10,000,000 merger of properties of the Massett Timber Company, Ltd., of Vancouver, B. C., and the Los Angeles Shipbuilding & Drydock Company are under way. Fred L. Buckley and Norman R. Whitall of the timber company, and Fred L. Baker and Earle M. Leaf of the shipbuilding company, are said to have been those composing the conference. It is understood that the plans worked out here will be laid before the boards of directors of the two corporations for final approval.

Offices will be reopened in the new quarters of the State Department of Agriculture, Tenth and L streets, Sacramento, and activities resumed by the California State Irrigation Association this month. The officials plan to prepare for another campaign on a definite policy of conservation, storage and distribution of water. The Association was organized in August, 1920, and its principal work was the consideration of the Marshall plan for the storage and diversion of water to irrigate millions of acres in California.

By a vote of 15 to 1, the citizens of Los Angeles have authorized the issuance of $17,400,000 bonds to provide new buildings and equipment for the public schools. Of this amount $10,040,000 will be expended for grade schools and $7,360,000 for high schools. A four-year construction program will be provided for by these bonds, an expenditure of about $5,000,000 a year now being contemplated.

The U. S. Bureau of Standards has undertaken an investigation of the condition of sewer pipes in the city of Los Angeles, for the purpose of studying the effects of sewage and sewer gases on clay and cement pipes, both of which are now being extensively used in that city. In this work it is cooperating with the clay and cement pipe manufacturers and the office of the city engineer.

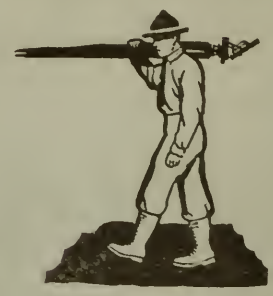
H. I. Benjamin, formerly office engineer in the maintenance of way department in the San Francisco offices of the Southern Pacific Railway Company, has been promoted to the position of assistant division engineer of the Portland Division, with headquarters at Portland. H. Marshall has succeeded to Benjamin's former position.

James O. Wanzer, an engineer, formerly with the State Highway Commission, will be appointed city manager of Marysville by the City Council. As city manager, Wanzer will have charge of all city matters, with every city department under his supervision with power to appoint and discharge all appointive employes.

Sanger Chamber of Commerce, Fresno county, will petition city trustees to call election to vote bonds to finance completion of a sanitary sewer system, purchase of fire apparatus, erection of city hall and preliminary construction for a storm sewer system.

The Realty Syndicate Co., of Oakland, has established a branch office in Room 812, 833 Market street, San Francisco, with Walter D. Gregory, Jr., formerly associated with Leonard and Holt, as manager.

ALONG THE LINE



J. H. O'Neill, Western General Manager of the Great Northern Railway, announces the company will electrify a 275 mile stretch of road from Whitefish to Havre, Montana, and continuing over the Cascades through Wenatchee to Seattle. The work will cost about $20,000,000. Headquarters for the activity will be maintained at Seattle, Wash.

A. N. Johnson, dean of the college of engineering of the University of Maryland, was installed as president of the American Association of Engineers at the closing session of the eighth annual convention held in Salt Lake City. George E. Taylor, West Virginia, was installed as first vice-president and Allen M. Knowles, New York, as second vice-president.

J. P. Edwards, formerly assistant division engineer of the Western Division, Southern Pacific Railroad, has been appointed Assistant Division Engineer of the Los Angeles Division with headquarters in Los Angeles. Edwards began his service with the S. P. in 1905 as a draftsman and has since been associated with the engineering and maintenance of way departments.

The Williamette Iron and Steel Works of Portland, Ore., has the contract to furnish twenty electric donkey engines, skidding machines and cars for the plant of the Sugar Pine Lumber Co., near Fresno, California. The contract price runs in the neighborhood of $350,000.

The Hercules Steel Products Co., to engage in the manufacture of fabricated steel products including tanks, heaters and refrigerating equipment, has leased quarters at 227-231 Bay street, San Francisco. W. E. Kettering is manager of the company.

Wm. Faville of the firm of Bliss & Faville, San Francisco Architects, was elected President of the American Institute of Architects, at the national convention held in Chicago. Herbert Hoover was elected an honorary member.

E. J. Plato has been named city purchasing agent at Sacramento, succeeding J. J. Haley, who resigned to accept a position with the State Engineering Department.

District offices of Warren Bros. Co., specializing in Warrenite Bitulithic pavements, have been moved from Rialto Bldg., San Francisco, to 2779 Poplar street, Oakland.

The Agricultural Experiment Station of the University of California, Berkeley, has issued Bulletin No. 339, on "The Relative Cost of Making Logs From Small and Large Timber."

Prof. Carl Thomas, an engineer, has been appointed a member of the board of directors of the city of Pasadena, succeeding Joseph Haunt, resigned.

Fire Resisting Qualities of Frame Buildings Protected by Stucco and Plaster on Metal Lath

Address of Wharton Clay, Commissioner, Associated Metal Lath Manufacturers, before the Building Officials' Conference, Indianapolis, April 26, 1922.

Ever since its advent into the building field thirty years or more ago, metal lath has been recognized as a superior base and reinforcement for plaster. Its original use was for solid and hollow partitions, curved ceilings and a base for ornamental plaster work in fire resistive buildings, but since its crack prevention ability was recognized, and as good quality of wood lath became more and more difficult to secure, it has come to be used with increasing frequency as a base for plaster in wood joisted or frame buildings. In the early days fire prevention was little thought of, and our great national fire waste was not realized by the general public or by the insurance companies, or even by Building Officials themselves. Years ago, however, building codes began to call for metal lath as a protection over furnaces, behind stoves, around chimney breasts and on positions where the very nature of all other plaster bases made the desirability of metal lath most apparent.

As the fire prevention societies began studying these questions, they immediately took up the recommendation of metal lath and have consistently carried these recommendation out in their writings. However, the dependence upon metal lath, and its relative superiority over other lathing bases was largely a matter of experience in the field where many notable instances were encountered in which metal lath stopped fires. It was also largely based upon 'horse sense' from a knowledge of the material itself, its incombustibility and its ability to hold the plaster in place with the minimum of cracking and the maximum of bonding or keys.

As the expense of testing materials for their fire resistive features is so great, the building fraternity has been denied scientific comparison between materials and even today the published information on tests, is inadequate and there is not anywhere an unbiased list of the actual duration under standard fire test conditions of even the materials which have been tested. It is, therefore, very timely and I am glad to be in a position to announce for the first time, the results of a series of tests at the Underwriters Laboratories on metal lath and plaster and stucco.

Before going into detailed information on this, however, I wish to make a few observations: Considerations of fire resistive qualities of various constructions are based upon several factors. The insurance company which bases the insurance loss has different consideration to weigh from those of the building official. The Building Officials' consideration is primarily safety to life and secondarily, safety to property. The underwriters must consider first of all the question of minimizing the spread of fire within its place of origin, so that the dollar and cents loss will be low, but they are also just as much concerned with the salvage value of the property. Therefore, they have always given a greater consideration, (by lower insurance premiums) to the masonry wall building than to the frame wall dwelling, even though the interior construction may be identical.

In fact the latest statistics indicate greater percentage of fires in masonry walled than frame walled buildings of the same interior construction. The underwriter has also been justified in this by the factor of communication of fires—not so much from a question of the actual communication of the fire as from the question of the greater damage to painted siding than to masonry if a fire be in the vicinity. For if the fire is really severe, it will enter by the unprotected windows anyway. The lower insurance rate on masonry has lead many people to feel greater security from the fire in a masonry than in a frame house when, as a matter of fact, they are about equal as regard to safety to life, which is the Building Official's prime concern.

Perhaps safety from communicating fires is not far from equal, if the masonry walls do not have protected window openings. This has been demonstrated in a very spectacular way in the recent ten million dollar fire in Chicago, where the communication was largely through unprotected openings in heavy masonry walls and finally reached the first-class "fireproof" Burlington office building where the interior damage was about the same extent as it would have been in any other kind of a building.

In fact, the general misunderstanding as to the superiority, from a fire protection standpoint, of masonry walls over other walls, led to a very kindly note of caution to the Brick Manufacturers by Prof. I. H. Woolson, Consulting Engineer of the National Board of Fire Underwriters, at one of their annual conventions. Prof. Woolson said in part:

"As usually constructed, I doubt if the average brick building as a whole has a fire resistance of over 10 per cent of that of its walls. This is discreditable to our engineering and architectural intelligence, and productive of shameful economic waste of manufactured resources.

"I hope to win your aid in securing the introduction of such proper 'construction straws' into brick buildings as will make them really efficiently fire-resistive.

"Let me say, right here, that the defects which I shall criticise are by no means peculiar to brick buildings. They are just as prevalent in hollow tile, stone and concrete buildings.

"Millions of brick are used each year in buildings of simple architecture and modest cost. They are undoubtedly less liable to complete destruction by fire than wooden buildings, but are by no means as fire-resistive as they should be, nor are they as safe as the public is taught to believe."

Let us give prompt praise to the brick industry for their cooperation. The Common Brick Association issues a pamphlet with each one of the plans which they sell, starting as follows:

"It is not the intent of those adocating brick side walls to give a false sense of safety to the occupants of such a house. The interior partitions, the floors, the roof and basement ceilings are all subject to attack by fire, and the most incipient start in these parts usually results in complete destruction of the interior of the house and all its contents—and too often takes human lives. More than 23,000 perons lose their lives by fire every year in America.

"The home builder thoughtful enough to take the first step toward safety by building solid brick exterior walls should know how he may protect the most vulnerable spots inside his home by the use of metal lath.

"Once the flames eat through the interior plaster on ordinary bases, wood partitions become flues for the flames. With metal lath as a plaster base, the fire is stopped and cannot get between the two surfaces of the walls or partions. A wood bearing partition especially needs good protection for its failure means the collapse of the floors above."

The Face Brick Association also says in their manual:

"Having built a face brick house for your client, as the most substantial and attractive construction to be had, protected on the outside with a roof of permanent material, and on the inside with fire-resistive material at the weakest points, you have given him the best possible value for his money, in a structure at once beautiful, enduring, economical, and safe against fire.

It is thus recognized that interior construction must be given more attention before ordinary construction can be considered fire-safe. This idea is reinforced by the statistics recently developed by the National Lumber Manufacturers' Association in which they analyze the number of fires occuring during the year 1920 in the several types of buildings in the 83 largest cities in the United States. They found that only 1.1 per cent of all fires extended to the adjoining buildings; that only one-fifth of 1 per cent extended beyond the adjoining buildings, and that 98.7 per cent of all fires were confined to the building or place of origin. Furthermore, the loss by communicated fires was but 7 per cent of the total loss.

I do not believe in one of their principal conclusions, however, that because there were more fires in brick and stone buildings than there were in frame buildings in proportion to the number of fires in each, that such information is good evidence to conclude that if people live in masonry houses they are more careless than if they live in frame houses. However, if such a conclusion is true, then the reinforced stucco covered frame house would be the ideal house, for the occupants would take the greatest precautions for fire safety, and the exterior would provide all the resistance to external exposure that unprotected windows in any type of wall will develop.

We cannot count upon a chain for any greater strength than its weakest link, and we cannot count upon a building wall of any material to prevent fires passing through unprotected windows. However, going back to the actual figures, we find that only 1.1 per cent of the fires are communicated to the adjoining buildings anyway, and we had much better concern ourselves with fire protection to prevent the 98.9 per cent of the fire hazard than concentrate attention upon the communicating fires.

I have always contended that if fire resistance is essential for exterior walls, we should not camouflage the issue and pierce those walls with unprotected openings. If the danger is not great enough to warrant protected openings, it is not great enough to warrant restricting the choice of the prospective builder by law to a masonry wall on the basis of fire protection. If masonry can be proved to be more economical than reinforced stucco in the long run, or more attractive, as it is to many people, it should be chosen on that basis, and as a matter of fact, is chosen on that basis in most cases. However, if the owner's wish is for reinforced stucco on frame, he should not be deterred by ordinance-

es. Officials know that stucco on metal lath has withstood the requirements of the one-hour test; you can feel perfectly safe in permitting this construction for residential occupancy in any location where unprotected windows are permitted. It is customary, however, to restrict the use of such buildings to a space outside the fire limits, and this is not entirely justified.

However, this question of exterior walls is one of small importance when compared to the question of interior fire protection, but I merely wish to register that a frame structure can be made fire-safe from exterior fire exposure by the employment of Portland cement stucco reinforced by metal lath on wood studs.

The interior of all buildings is the prime consideration and the one which is most sadly neglected. When 98.9 per cent of all the fires are confined within the building in which they originate, is it not well for us to give more consideration to interiors than to exteriors, and more consideration to interiors than has been given in the past

The burning up of thousands of buildings every year is an unnecessary discredit to the economy and efficiency of lumber. One of the most ardent advocates, The American Lumberman, has endorsed and encouraged co-operation between the lumber industry and the metal lath industry in the use of metal lath in particular points in frame and stucco houses to make them more fire resistive, and the National Lumber Manufacturers Association has jointly sponsored the tests at the Underwriters Laboratories which have proven so successful.

It is well recognized by building officials, fire marshals and others, and confirmed by the statistics on fires that they originate in certain specific locations, over the furnaces, in closets, around flues, etc., etc It is also recognized that if fires do start, their existence is more dangerous if they involve a staircase, the bearing partitions or the inhabited floors, than if they merely involved non-bearing partitions, attic floors or other unimportant parts.

While no one wishes to make a compromise with safety, yet it is far better to go one step in advance than it is to refuse utterly to move forward It would be ideal, and it some day may come to pass that all buildings will be required to be entirely of incombustible material, and lumber used only for temporary uses such as packing cases, or artistic uses such as furniture and trim. But that is a long way in the distance and people who are clamoring for this ideal realize that they are playing a long and tedious game They are making progress however, and every step is an advance, because here and there is someone who does wish complete fire protection.

While lumber is still an economical material, is it not better to utilize it properly than to place it under the discredit that it is now receiving? Some day all houses will be required to have all lumber adequately protected, but this step is also in the distant future Let us then look to what is practical, inexpensive, in line with the times, and possible of early accomplishment. Metal lath can be used in the vulnerable parts of a house at a cost of about ½ less than the interest charge for four months' occupancy

As previously stated metal lath has been considered as a superior material but how much in advance of other plaster and lathing combinations has never been known The Associated Metal Lath Manufacturers, therefore initiated tests at the Underwriters Laboratories several years ago, intending to develop information as to the resistance of their material with different combinations of plaster and under different conditions of exposure. The war stopped rapid progress of this, but prior to the war, a test had been made on exterior stucco placed directly on the studs, without sheathing and back-plastered.

A preliminary report from the Underwriters' Laboratories on back-plastered metal lath and stucco construction with Portland cement indicates that

> "This finish can be expected to furnish substantial barrier to the passage of flame into the hollow spaces back of it for about one hour when exposed to fire of the degree of severity to which stucco finished buildings are likely to be subjected under average fire exposures.
>
> "This finish can be expected to provide sufficient heat insulation to prevent the ignition of the wooden supports to which it is attached for about one hour when exposed to fire of the degree of severity to which stucco finished buildings are likely to be subjected under average exterior fire exposures."

In our opinion, there is not much difference between the fire resistive value of the back-plastered type of construction and the more common sheathed construction. There is a thicker coat of stucco on the back-plastered type, but the sheathing interposed between the stucco and the bearing studs compensates, in a measure, for the thinner stucco on the sheathed construction. Inasmuch as the windows in either case are far the weakest links—the slight difference, if any, between these two construction is not an essential feature.

Informal tests have been made on common lath and Portland stucco and this combination loses its fire resistance in a very short time and the wood is in full flame in 10 to 20 minutes because of the communication of the heat through the thin coat of stucco to any one of the laths which can then communicate the fire on the interior hollow space very rapidly.

Thus, the Underwriters' tests show we can adequately protect our frame building by the use of exterior stucco on metal lath.

More recently, the National Lumber Manufacturers Association has joined in carrying forward the tests for the protection of lumber, and on April 6th a bearing partition test and a wood joisted floor test was run at the Underwriters Laboratories, and while the following comments are to be distinctly understood as not coming from the Underwriters, as they have not yet issued their report, nevertheless, the photographs herewith show the condition of the wood after the fire. The bearing partition was composed of 2x4 wood studs, 2.3 lbs. per square yard expanded metal lath and Gypsum plaster to ¾-in. grounds on both sides The duration was one hour and fifteen minutes to a maximum of 1750 degrees. At the end of the test, the plaster was removed to ascertain the condition of the wood studs from a load-bearing standpoint, and to show whether the partition had been impaired to any particular extent. Scorching was apparent on every stud, but there were some areas which were not even scorched. The maximum charring that I found on a brief examination was about ⅛-in., and this only on the corners of a few studs. I doubt if the Underwriters on their careful examination will find a charring of more than ¼-in. at any place on the face of the studs, and the average will probably work out to about ⅛-in The sides of the studs were practically uncharred. On a previous occasion, another test was run to duration—that is, until the temperature on the opposite side of the partition reached 300 degrees, and the non-bearing partition resisted this rise in temperature for three hours and one half minutes.

The floor test was equally successful. Gypsum plaster ¾-in. thick on 2.7# expanded metal lath, attached by 6D nails on 6-in. centers was employed. This protected the wood joists which were, during the entire hour and fifteen minutes, loaded to 50 pounds to the square foot, uniformly distributed. The floor was a double floor with Cabot's quilt insulation between the rough and finished floor. The rough floor was not tongued and grooved, and every opportunity was given for the fire to come through. No smoke or flame passed, nor was the under side of the rough flooring charred in any part that has yet been removed. The bottom sides of the joists were charred to a small degree, but not enough to weaken the joists to any extent. The depth of charring may have been slightly greater than with the studs, but the sides of the joists are clean and there is no evidence of them actually taking fire. The Portland cement plaster and metal lath protected floor was tested on an earlier occasion, and although the report has not been written, this also in our opinion has passed all the requirements of the one hour fire test.

Informal tests on small sized samples have been run with lime plaster and lime-cement plaster. These have indicated that the metal lath will perform its function of holding the plaster intact as with the other materials tested by the Underwriters, and protect the wood behind it for similar periods

Fire protection materials have two main functions. They must be incombustible in themselves, and they must stay in position even after they have received the inevitable deterioration due to the fire.

The function of metal lath and its superiority over other lathing bases comes from its ability to reinforce the plaster, and to hold it in position after it would have fallen off and become useless on other bases.

The material which can protect steel, concrete and lumber until the firemen can get the fire under control has served its purpose.

Thus, we have proven a one hour or greater duration for non-bearing partitions, bearing partitions, and wood joisted floors protected by metal lath and plaster, and also have developed a rating for exterior Portland cement stucco which, will probably develope a full hour's greater length of resistance than developed by unprotected windows. A building of such units cannot be made unsafe to life by fire of any conceivable intensity likely to occur in ordinary occupancy.

Some idea of the kind of fire that these units have withstood can be conceived from the following informal opinion that was read at the National Federation of Construction Industries Convention, by Mr Small, of the Underwriters Laboratories:

> "From an examination of the doors and the stair shafts and other general conditions, that the exposure and duration within the floors of the Burlington Building, indicated approximately those experienced in the one hour to one-half hour fire test as given by the standard fire test time temperature curve used by the Underwriters Laboratories and other testing authorities."

Thus we have the present-day solution to the fire resistive frame house. We can build a frame house by using metal lath and stucco on the exterior which will be as safe from external fire as any building with the same interior construction and with unprotected windows. We can build an interior of ordinary lumber construction with studs and joists and protect it from a fire of duration and intensity which is without doubt more destructive than the fire that is likely to occur in a residence or even in most mercantile occupancies. Or we can protect the vulnerable or important struc-

tural parts only, of such a building, so that the safety of the property is increased to an almost equal degree, because non-bearing partitions, etc., do not contain enough fuel to in any way damage the balance of the structure if protected by metal lath and plaster.

Of course, this is only one solution to the fire resistive building and this paper does not purport to deal with many of the other excellent solutions, but here lies the opportunity of the Building Official to look squarely at the future and take advantage of the fire resistance which is now well established.

For generations we have been a wasteful nation. In 1920 we have seen homes go up in smoke to the value of three hundred and thirty-one million dollars, or the equivalent of about eight-three thousand $4,000 homes. Add to this the enormous loss of life that occurs in the fires of one year and the total loss is staggering and difficult to realize.

When you consider the fact that America today faces a great shortage of homes estimated at about 2,139,000, not ccunting replacements for losses by fire, it is easy to see that the loss itself will be a terrible blow to the efforts of our citizens who are doing their utmost to wipe out this shortage.

In the year in which the above-mentioned losses occured, buildings to the total of $1,409,000,000 were constructed. When you compare this expansion with the estimated loss of $331,000,000 the loss was 23.5% of the amount expended, nearly one-quarter of the amount. In other words, we would build to absorb the shortage for four years, and the fifth we should build only to make up our losses for the preceding four years.

When you remember that these figures represent only the amount of insurance settlements for the real losses and amount to about 80% of the full value, the actual losses are even more overwhelming.

Every citizen must remember that every house that is destroyed increases the shortage by just that much and likewise decreases the gain for that year. This fearful economic loss is in the main, preventable. Statistics show that 96% of the fires in a particular year originated inside of the house destroyed. About 70% of the year's fires were preventable. In other words we robbed ourselves of an income of $331,000,000 in 1920, about three dollars for every man, woman and child in our country.

We are anxious to have Building Officials generally, consider the inadequacy of the present method of building ordinary frame and ordinary construction; that metal lath and plaster forms an adequate protection for lumber, and that its usefulness has been thoroughly established for many years and now scientifically determined. We want the Officials also to now appreciate that wood protected by metal lath and plaster is able to withstand a fire of similar intensity and duration that is estimated to have attacked each floor of the Burlington Office Building. Further, that the structural members, or even parts of the structures can be protected to great advantage without extending the protection to the entire building.

We believe that you Building Officials who have known in a general way and liberally recognized metal lath as a fire protection in the past, will welcome the scientific information which has been but recently developed, and we are presenting this information on a material which you have so long had confidence in, so that you can avail yourselves of it as your city grows in a consciousness and demands more fire protection.

There is no more influential position in the advancement of fire protection and the lessening of over half billion fire waste than the Building Official, and we appreciate this opportunity of presenting this information which will bring fire safety within the reach of every citizen if they but realize it.

The Observer.

(Continued from Page 4)

The Duplex Construction Co., manufacturing concrete building blocks, has leased the Curry Garage at Richmond, Cal., according to James Doyle of Oakland, who with William Edminister of San Francisco will manage the company.

Berkeley building permits for May totalled $652,400. During the month 192 permits were issued, 87 of these being for residences.

The "Calistoga Calistogian" under date of June 2 reports the discovery of a new porcelain clay field about three miles from Calistoga. Reports are that the Napa Valley Mining Company will work the field.

Articles of incorporation have been filed at Fresno, California, by the Hercules Tractor Company, capitalized at $1,000,000. Directors are: D. R. Pelton, J. H. Fickle, J. B. Daly, S. J. Sickler, A. E. Pearson, Dr. H. E. Douglass and E. W. Laisne, all of Fresno.

Arthur F. Mathews, San Francisco artist, has been awarded the fine arts gold metal of the American Institute of Architects. Mathews, who has been a resident of San Francisco since he was 6 years old, and whose works are to be found all over California, is well known for his landscape paintings. In 1884 he studied in Paris at the Julian Academy.

The J-E Battery Co., has opened quarters at 221-225 Bay street, San Francisco, and will engage in the manufacture of storage batteries, battery plates and lead parts. A department will be opened at a later date to manufacture battery boxes and separators. J. E. Nottingham is manager.

The Sacramento Chamber of Commerce will petition the City Commissioners to appropriate $30,000 in the next budget to investigate the feasibility of a ship canal to make Sacramento a port for ocean-going vessels. A preliminary report made on the project two years ago estimated the cost of constructing a canal 100 feet wide and 20 feet deep at $6,500,000.

Fresno Board of Education votes to levy a direct tax for $86,479, to finance purchase of sites for schools. No building program is contemplated by the board, which is to purchase the sites under the belief real property will greatly increase in value within the next few years.

The Pennzoil Co., affiliated with Penn's American Refining Co., has purchased two acres in Powell St. west of San Pablo Ave., Oakland, on which, it proposes to erect a modern plant. N. Day is sales manager for the company.

According to the National Chamber of Commerce 59 per cent of the building construction for 1921 in 44 large cities consisted of dwelling houses.

The Pridham-Low Co. of Pasadena has leased the United Warehouse Company's building on O street and will operate a box making plant. New machinery and improvements will cost $100,000.

Pacific Gas & Electric Co. will commence construction immediately on the high pressure gas transmission line which will supply Mill Valley and Sausalito with gas. Engineering parties are completing surveys. The pipe line will run from Corte Madera to Sausalito with a branch pipe to Mill Valley and will cost $122,000.

Albert Givan, city engineer of Sacramento, H. L. McCready and Daniel Hayworth, are in the field doing preliminary work on the Silver Creek project, El Dorado county, to determine the feasibility of the project as a municipal hydro-electric system. McCready will be in charge of the engineering work and will establish a camp near Riverton.

At the annual meeting of the Pacific Lumber Inspection Bureau, Fred J. Wood of the E. K. Wood Lumber Company, was elected second vice-president.

Plumbers and electricians of South Pasadena, have petitioned the city council to enact an ordinance requiring all persons doing plumbing and electrical work in that city to have a license.

F. S. Altman has been appointed district engineer in charge of the Minneapolis office of the Portland Cement Association, to succeed W. E. Hart, who has been transferred to the general office, as manager, structural bureau. The Minneapolis office, located in the Metropolitan Bank Building, has charge of association work in Minnesota and North and South Dakota.

The Acme Brick & Tile Company, P. O. Box, 1436, Manila, Philippine Islands, desires to get in touch with producers of fire clay and fire brick who desires to enter the Philippine field with their products.

The $150,000 5½ per cent Tulare Union High School District bond issue was sold by the Tulare County Supervisors at par, accrued interest and a premium of $11,487.

E. G. Scammon, manager of the Red River Lumber Co. at Redding, announces machinery is being installed at Bella Vista, where his company will shape more than 2,000,000 feet of lumber for shipment to the market. New machinery includes a planer, edger and cutoff saws.

The abandoned lime quarry between Irvington and Mission San Jose will be in operation this month, according to F. W. Kenny, Superintendent in charge, who is installing machinery.

Imperial Irrigation District in Imperial County, Calif., has authorized the issuance of $7,500,000 in bonds to finance the purchase and consolidation of the various mutual water companies at a cost of $5,000,000—the balance to finance improvements and extensions. The district will include 600,000 acres.

Twenty-eight building permits were issued in Reno, Nevada, during the month of May. Improvements totaled $108,790.

The Waller Boiler Works has opened iron works at 1109 Santa Fe Ave., Los Angeles.

Howard F. Cozzens, Surveyor of Monterey County, will be a candidate to succeed himself at the coming election.

The Western Pacific Railroad has started construction on a $300,000 draw bridge at the crossing of the San Joaquin River, 14 miles southwest of Stockton. It will be 200 feet in length.

Building News Section

APARTMENT HOUSES

Plans Being Prepared.
APARTMENTS Cost, $20,000
BERKELEY, Alameda Co., Cal. SE Channing Way and South Atherton.
Two-story frame and stucco apartment house, 28 rooms (2, 3, 4 and 5-room apartments).
Owner—E. R. Griffiths.
Architect—Geo. Rushforth, 354 Pine St., San Francisco.
Plans will be ready for figures in three weeks.

Sketches Prepared.
APARTMENTS Cost, $125,000
ALAMEDA, Alameda Co., Cal. Paru St. and San Jose Ave.
Three-story brick veneer and frame apartment house (24 4-room apartments) to be built around a court.
Owner—Not given.
Architect—A. A. Cantin, 68 Post St., San Francisco.

Contract Awarded.
APARTMENTS. Cost, $12,000
WOODLAND, Yolo Co., Cal. Corner Court and 4th Sts.
Two-story frame apartments (4 apartments)
Owner—Leon Campbell, Bacon Bldg., Oakland.
Architect—Mr. Barnhardt of the Diamond Match Co., Chico.
Contractor—Wm. Fait, Woodland.

Contract Awarded.
APARTMENTS Cost, $5000
NAPA, Napa Co., Cal. Jefferson and Lincoln Ave.
Two-story frame apartment and store buildin (2 3-room apartments and 1 store).
Owner—W. S. Moss, Napa.
Architect—Not given.
Contractor—Chas. Hort, N Main St., Napa.

Contractor Taking Sub-figures.
APARTMENTS Cost, $47,000
BERKELEY, Cal. Claremont and Ashby Streets.
Three-story brick apartment house.
Owner—Mrs. Blair.
Architect—East Bay Planners, 306 14th St., Oakland.
Contractor—Sommarstrom Bros., 306 14th St., Oakland.

Contractor Taking Sub-figures.
APARTMENTS Cost, $70,000
OAKLAND, NE 15th and Jackson Sts
Three-story brick apartment house (59 rooms).
Owner—M. P. Roystone, 306 14th St., Oakland.
Architect—East Bay Planners, 306 14th St., Oakland.
Contractor—Sommarstrom Bros., 306 14th St., Oakland.

Contractor Taking Sub-figures.
APARTMENTS Cost, $50,000
OAKLAND, Allce Street.
Three-story brick apartment house
Owner—Mrs. P. M. Gray
Architect—East Bay Planners, 306 14th St., Oakland.
Contractor—Sommarstrom Bros., 306 14th St., Oakland.

Contract Awarded
APARTMENT Cost, $12,000
OAKLAND, Cal. S 62nd St 240 W College
Two-story 16-room frame apartment house.
Owner—Elmer W West, 5675 College Ave., Oakland
Contractor—Harry C Knight, 388 12th St., Oakland

Completing Plans—Figures to Be Taken in About a Week.
APARTMENTS
SAN FRANCISCO SW Hyde and Greenwich Sts
Eleven-story and basement Class A reinforced concrete apartment house (20 5 and 6-room apartments).
Owner—O. B. Martin.
Architect—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.

Contract Awarded.
STORE & APARTMENTS Cost, $27,000
FRESNO, Fresno Co., Cal. 911 Blackstone Ave.
Frame store and apartment house.
Owner—Joe Fieralzgano.
Contractor—Fisher & McNulty, Mattei Bldg., Fresno.

Contract Awarded.
APARTMENTS Cost, $20,000
OAKAND. N Belmont 150 E Perkins.
Three-story frame 24-room apartment house.
Owner—Miss Ida Christensen.
Architect—Clay N. Burrell, First Savings Bank Bldg., Oakland.
Contractor—H. J. Christensen, Federal Bldg., Oakland.

Permit Applied For.
APARTMENTS. Cost, $21,000
OAKLAND, Cal. NE 33rd St. 65 E Park Blvd.
Two-story 26-room apartments.
Owner—Mrs. Cora B. Sanford.
Architect—Not given.

Contractors to Take Sub-Figures Next Week.
APARTMENTS Cost, $150,000
SAN FRANCISCO. SW Powell and Pine St.
Six-story steel frame and concrete apartment house (about 48 apartments of 2 and 3 rooms).
Owner—Oser Estate Corp.
Architect—S. Lightner Hyman and A. Appleton, 68 Post St., San Francisco.
Contractors and Engineers—Hayes-Oser Co., Call Bldg., San Francisco.

BANKS

Completing Plans.
BANK Cost, $100,000
SAN FRANCISCO. Seventh Avenue & Clement St.
One-story Class B branch bank building.
Owner—S. F. Savings & Loan Society.
Architect — Herbert Schmidt, 251 Kearny St., San Francisco.
Contractor—Chas. W Heyer, Mills Bldg., San Francisco.
Plans will be completed in about ten days.

Contract Awarded for Concrete Work, Etc.—Bids Being Taken for Granite and Terra Cotta Work.
BANK Cost, $55,000
SACRAMENTO, Cal SW Sixth and K Sts.
One-story Class A bank building.
Owner—Bank of Italy.
Architect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
Contractor—K E. Parker Co., Clunie Bldg., San Francisco.
The Parker Company's contract is for the frame of the building, glass and roofing. Bids are now being taken for the granite and terra cotta work. Later bids will be taken on the mechanical equipment, etc. The Parker Company will superintend the construction of the building.

BONDS

EXETER, Tulare Co., Cal.—Election will be held June 23 in Exeter Union High School District to vote bonds of $150,000 to finance additional school buildings and installation of heating plant in present structure.

SACRAMENTO, Cal.—Election will be held July 1 in Elder Creek School District to vote bonds of $20,000 to finance const. of new school. Trustees of district are: E. J. Camp, Clyde M. Davis and P. H. Smith.

FALLON, Nevada.—Churchill County High School Trustees will call election to vote bonds of $92,000 to finance gymnasium costing $27,000 and $65,000 for additions to chemistry and physics building.

STOCKTON, San Joaquin Co., Cal.—Bonds of $600,000 to finance construction of civic auditorium sold by city council for premium of $56,225. Plans for structure being prepared by Architects L. S. Stone, W. J. Wright and Glen Allen, as a firm, all of Stockton.

ARCATA, Humboldt Co., Cal.—City Trustees sell $25,000 sewer bond issue for premium of $500. Proceeds of sale will finance construction of sewers.

REDDING, Shasta Co., Cal.—Bonds of $110,000 voted to finance construction of new grammar school buildings, plans for which are being prepared by Architects Woollett and Lamb, Hagelstein Bldg., Sacramento.

HANFORD, Kings Co., Cal.—Election will be held July 3 in Oakvale Elementary School District to vote bonds of $10,000 for school improvements. Trustees of district are: R. G. Hamblin, Ernest Lee and C. A. Baker.

FRESNO, Fresno Co., Cal.—July 6 is date set in Central Union High School District to vote bond of $150,000 for school improvements. Trustees of the district are: R. I. Farris, Geo. Randrup, W. M. Barcus, A. P. Harris and N. L. Hoyer.

SACRAMENTO, Cal.—Election will be held July 1 in Roberts School District to vote bonds of $9000 for school improvements. Trustees of district are: Vey Cramer, Mrs. May Hoffman and D. E. Sears.

CHICO, Butte Co., Cal.—Bonds of $40,000 voted in Shasta Union School District to finance construction of concrete school building.

BENICIA, Solano Co., Cal.—Bonds of $90,000 have been voted to const. storm drain and fill in streets and alleys in the Benicia Reclamation District

SUSANVILLE, Lassen Co., Cal.—Lassen County Chamber of Commerce urges a bond issue to construct system of good roads.

TRANQUILLITY, Fresno Co., Cal.—Election will be held June 20 in Tranquillity School District to vote bonds of $40,000 to finance school improvements. Trustees of district are: C. F. Goodrich, E. E. Slater, K. O. Whitson.

MODESTO, Stanislaus Co., Cal.—County Supervisors sell $20,000 bond issue of Patterson School District for premium of $1,775; proceeds of the sale will finance school improvements.

HANFORD, Kings Co., Cal.—Election will be called in Kings River School District to vote bonds to finance construction of additional classrooms and auditorium to the present school.

SAN JOSE, Santa Clara Co., Cal.—Until July 3, bids will be received by supervisors for purchase of following bond issues, proceeds of sale in each instance, to finance school improvements: Gilroy School District, $180,000; San Martin School District, $35,000; Cupertino Union School District, $6500. Wyckoff & White, Growers Bank Bldg., San Jose, are the architects.

SANGER, Fresno Co., Cal.—Chamber of Commerce will petition city trustees to call election to vote bonds to complete sanitary sewer system, purchase fire aparatus, erect city jail and storm sewer system.

YUBA CITY, Sutter Co., Cal.—Election held June 10 in Pleasant Grove Union School District to vote bonds of $30,000 to finance school improvements failed to carry by two votes. Another election will be held.

FRESNO, Fresno Co., Cal.—Election held in Central Union High School District to vote bonds of $18,000 for improvements failed to carry.

FRESNO, Fresno Co., Cal.—Until June 26 bids will be rec. by Supervisors for purchase of $7500 bond issue of the Pomona School District. Proceeds of the sale to finance school improvements.

CUTLER, Tulare Co., Cal.—Bonds of $15,000 voted in Cutler School District to finance addition to school building.

SAN ANSELMO, Marin Co., Cal.—Bonds of $20,000 voted to finance one-room addition to Yolandsdale school, manual training room addition to main school and improvement of playgrounds.

SANTA ROSA, Sonoma Co., Cal.—The $241,000 bond issue of the Santa Rosa Grammar School District sold for a premium of $26,281. Proceeds of sale will finance construction of two grammar schools, plans for which are being prepared by Architect W. H. Weeksfl 369 Pine St., San Francisco.

BAKERSFIELD, Kern Co., Cal.—Election will be held July 10, in Arvin School District to vote bonds of $17,500 to finance school improvements. Trustees of district are: E. O. Mitchell, W. W. Heard and H. R. Portman.

CHURCHES

Plans Being Prepared.
CHURCH. Cost, $130,000
HOLLYWOOD, L. A. Co., Cal.
Reinforced concrete and brick church 50x150.
Owner—St. Stephen Episcopal Church.
Architect—Walker & Eisen, Pacific Finance Bldg., Los Angeles, and Frohman, Robb & Little of Boston, associated.

Sub-figures Being Taken.
SYNAGOGUE
LOS ANGELES. N Breed near Brooklyn Ave.
Two-story and basement synagogue.
Owner—Congregation Talmud Torah.
Architect—A. M. Edelman and A. C. Zimmerman, Hellman Bldg., Los Angeles.

FACTORIES & WAREHOUSES

Plans Being Figured.
PRINTING PLANT. Cost, $——
SAN FRANCISCO. Howard St. bet. 5th and 6th Sts.
One-story reinforced concrete building for printing plant.
Owner—Louis R. Lurie.
Lessee—The Leighton Press, 516 Mission St., San Francisco.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.

Plans Being Prepared.
WAREHOUSE Cost, $150,000
PITTSBURG, Contra Costa Co., Cal.
One-story reinforced concrete warehouse 89x200.
Owner—Pioneer Rubber Co.
Architect—Benj. G. McDougall, 381 Bush St., San Francisco.

Plans Being Prepared.
WAREHOUSE Cost, $100,000
LOS ANGELES. NW Boyd and San Pedro Streets.
Four-story class A warehouse.
Owner—Illinois Electric Co.
Architect—Noerenberg & Johnson, Los Angeles Railway Bldg., Los Angeles.

Contract Awarded.
WAREHOUSE Cost, $20,000
VISALIA, Tulare Co., Cal.
One-story brick warehouse, 99x100.
Owner—California Packing Corporation, 101 California St., San Francisco.
Engineer—Phillip Bush, 101 California St., San Francisco.
Contractor—A. E. Noble and I. E. Toothacre, 201 N. West St., Visalia.

Plans Complete.
WAREHOUSE Cost, $14,000
FRESNO, Fresno Co., Cal. 324 O St.
Warehouse.
Owner—United Warehouse Co., H and Mono Sts., Fresno.
Architect—Not given .

EUREKA, Humboldt Co., Cal.—Mercer-Fraser Co., Eeureka, at approximately $15,000 awarded contract by Eugene Wooden of San Francisco to construct wharf and warehouse, 120 ft. by 70 ft., in E street. Structure will be leased to M R. Schmeder, Commission Merchant of Eureka.

AUBURN, Wash.—A. W. Quist & Co., Hoge Bldg., Seattle, awarded contract by Northern Pacific Railwty to const. train shed, 80x460 ft., and approx. 1200 ft. of water mains and installing fire hydrants. A. R. Cook, assistant chief engineer for railroad company.

SACRAMENTO, Cal.—Architects Dean & Dean, City Library Bldg., have awarded a contract to Grinnel Co. of the Pacific, 453 Mission St., San Francisco, on their bid of $13,500, for the sprinkler system for a 5-story mill constructed warehouse for Bruener Co. It is being ereceted on L St. between 6th and 7th in Sacramento.

YREKA, Siskiyou Co., Cal.—State Highway Commission, Forum Bldg., Sacramento, has purchased an acre of land near Yreka Railway on which it will construct warehouses to store materials for crews working on highways in Siskiyou County.

FIREHOUSES AND JAILS

REDDING, Shasta Co., Cal.—Wm. Stephens, Redding, only bidder at $17,000 to repair county jail building and const. detention and insane wards. Bid rejected. S. N. Witherow, county clerk.

FLATS

Contract Awarded.
FLAT Cost, $26,500
SAN FRANCISCO. NE 20th Ave and Balboa St.
Two-story frame flat building (except plumbing, electric work, painting, electric fixtures, heating system and window shades).
Owner—Blanche Bercut.
Architect—Erle J. Osborne, Balboa Bldg., San Francisco.
Contractor—A. M. Hardy, 6217 California St., San Francisco.

Contract Awarded.
FLATS Cost, $12,000
SAN FRANCISCO. E 17th Ave. 275 S Anza.
Two-story and basement frame (2) flats.
Owner—A. J. Glesener.
Architect—Dodge Reidy, 860 Pacific Bldg., San Francisco.
Contractor—Fred Moller, 180 Jessie St., San Francisco.

Contract Awarded.
FRAME FLATS Cost, $10,000
SAN FRANCISCO. SE Tenth Avenue and Kirkham Street.
Two-story & basement frame (4) flats.
Owner—M. J. Thompson, 531 Kirkham St., San Francisco.
Contractor—F. Crothers, 1426 10th Ave., San Francisco.

Contract Awarded.
FLATS Cost, $8800
SAN FRANCISCO. E 24th Ave. 74 N Cabrillo.
Two-story and basement frame (2) flats.
Owner—Blanche Bercut, 1610 Anza St., San Francisco.
Architect—Erle J. Osborne, Balboa Bldg., San Francisco
Contractor—A. M. Hardy, 518 24th Ave San Francisco.

Plans Being Prepared.
FLATS Cost, $8000
SAN FRANCISCO. 2400 Washington.
Alter two-story frame building into two flats (3 and 5 rooms).
Owner—John Schroder.
Architect—Ernest Hildebrand, 110 Sutter St., San Francisco.

Contract Awarded.
FLATS Cost, $11,660
SAN FRANCISCO. E 5th Ave. 150 S Cornwall.
All work except finish hardware, shades electric fixtures and wall paper, for a 2-story and basement frame flat building.
Owner—Ernst and Selma Fechner, 370 5th Ave., San Francisco.
Plans by owner.
Contractor—Ed. Zinkand & Son, 434 10th Ave., San Francisco

Plans Completed.
FLATS Cost, $10,000
SAN FRANCISCO. E 16th Ave. 95 S California.
Two-story and basement frame (2) flats.
Owner—May E. Foley, 770 5th Ave., San Francisco.
Architect—John J. Foley, 770 5th Ave., San Francisco.

Contract Awarded.
FLATS—DWELLING. Cost, $26,000
SAN FRANCISCO. NE Mission and Crescent Ave., E Mission 25, 50 and 75 N Crescent, and N Crescent Ave 71 N Mission.
Four two-story frame flat buoldings and one one-story frame dwelling.
Owner—Alfred E. Hind.
Architect—W. G. Hind, Mission St. and Crescent Ave., San Francisco.
Contractor—Harry W. Hind, Mission St. and Crescent Ave., San Francisco.

GARAGES

Work Started.
GARAGE Cost, $——
WATSONVILLE. Santa Cruz Co., Cal.
Reinforced concrete garage.
Owner—John P. Porter.
Architect—Wyckoff & White, Growers Bldg., San Jose.
Work is being done by segregated contracts.

Bids Rejected.
GARAGE & MACHINE SHOP Cost, $—
MERCED, Merced Co., Cal. Blk. 38.
One-story hollow tile (steel roof trusses) garage and machine shop building.
Owner—Merced Irrigation District, W. D. Wagner, Secretary, Merced.
Architect—Ira W. Hoover, Planada.
Following bids were received: Merced Concrete Pipe Co., Merced, $24,750, Davison & Nicolsen, San Francisco, $24,590; E. F. Jensen, Merced, $23,520. The bids were rejected and action postponed indefinitely.

EUREKA, Humboldt Co., Cal.—Until June 26, 10 a. m., bids will be received by Fred M. Kay, county clerk, for fur. and installing machinery and tools for new garage recently constructed for Humboldt county. List of materials desired on file with clerk.

GOVERNMENT WORK AND SUPPLIES

Plans Being Figured.
Bids Close June 20, 1922, 11 a.m.
ARMY BLDGS. Cost, $——
MONTEREY, Monterey Co., Cal. Presidio.
Frame officers' quarters, stables and gun sheds.
Owner—U. S. Government.
Architect—Owner.
Plans may be obtained from the Constructing Quartermaster at Fort Mason on a deposit of $10. **See call for bids under official proposals.**

Contract Awarded.
INFIRMARY Cost, $25,000
BENICIA, Solano Co., Cal. Benicia Arsenal.
Hollow tile infirmary (asbestos or Spanish tile roof, steam heating plant, etc.)
Owner—U. S. Government.
Plans by owner.
Contractor—W. T. Whiteman, Half Moon Bay, $13,758.
Plumbing awarded to Burnham Plumbing Co., 1220 Webster St., San Francisco, $4740.
Electric Work to Severin Elec. Co., 55 5th St., San Francisco, $1380.

Plans Being Figured.
Bids Close July 11, 1922, 3 p.m.
POSTOFFICE Cost, $——
GILMER, TEXAS
Owner—U. S. Government.
Fireproof Postoffice building.
See call for bids under official proposals.

Plans Being Figured.
Bids Close June 22, 1922, 11 a.m.
FRAME BLDG. Cost, $——
ANGEL ISLAND, Cal. Fort McDowell.
Frame vocational training building.
Owner—U. S. Government.
Architect—Owner.
See call for bids under official proposals.

SEATTLE, Wash.—Until June 21, bids will be rec. by Alaskan Engineering Commission, Bell Street Terminal, for fur. and del. under Circular No. 567, 160 gross tons steel rails, 400 pairs splice bars, 18 kegs railroad track bolts, 12,000 tieplates, 2000 locknut and 6 pair compromise joints.

WASHINGTON, D. C.—Bids are being rec. by Bureau of Supplies and Accounts, Navy Dept., for fur. and del. materials under the following schedules, date for opening bids as noted at end of each paragraph:

Schedule 3, various eastern and western yards: 730,000 lbs. cotton waste, white; July 5.

Sched. 4, various eastern and western yards, miscellaneous quantity of petroleum spirits; July 5.

Sched. 5, Mare Island, Calif.; 20,000 lbs. white lead, dry; July 5.

Sched. 6, Puget Sound, Wash.; 10,000 lbs. brass voice tubing; July 5.

Sched. 7, various eastern and western yards: 520,000 lbs. soap powder; July 5.

Sched. 8, various eastern and western yards: miscellaneous quantity of steel wire rails; July 5.

Sched. 9694, east coast yards: miscellaneous quantity of white lead; June 27.

Sched. 9695, eastern and western coast yards: miscellaneous quantity of gum gaskets; June 27.

Sched. 9696, various eastern and western yards, 16,000 bbls. Portland cement; June 27.

Sched. 9701, Portsmouth, N. H., Philadelphia and Mare Island: 85,000 lbs. boiler compound; June 27.

Sched. 9702, eastern coast yards; 85,000 lbs. calcium carbide; June 27.

Sched. 9703, various eastern and western yards: 24,700 dry cells, June 27.

Sched. 9705, eastern and western coast yards: miscellaneous quantity of boiler gaskets, June 27.

Sched. 9710, various eastern and western yards: 45,000 lbs. calcium chloride; June 27.

Sched. 9711, various eastern and western yards: 256,000 lbs. concentrated lye, June 27.

Sched. 9712, Washington, D. C. and Mare Island, Calif.: 10,200 deck scrub brushes; June 27.

Sched. 9713, various eastern yards: miscellaneous quantity of rubber pump valves, June 27.

Sched. 9714, various eastern and western yards: miscellaneous quantity of abrasive wheels, June 27.

Sched. 9697, Boston, Brooklyn, Norfolk and Puget Sound: concentrating salinity indicating outfits for evaporating plants, main and dynamo condensers for various battleships, June 20.

WASHINGTON, D. C.—Until June 22, 10:30 a.m., bids will be rec. by Panama Canal Commission, under Circular 1482, for fur. and del. Balboa (Pacific port): Mineral steam cylinder oil, marine engine Oil, Class A medium lubricating oil, car and locomotive engine oil, Class C heavy lubricating oil, Class C extra heavy lubricating oil, cup greases, gear, chain and wire-rope lubricant and cotton waste.

PORTLAND, Ore.—The following bids were rec. by the U. S. Engineer Officer, Portland, for furnishing grade A dredger sleeves:

Item 1, 25½x36 in.; 2,25½x48 in.

Pioneer Rubber Mills, San Francisco, Item 1, $57.56 ea., accepted; 2, $76.65, accepted.

United States Rubber Co., Portland, Ore., Item 1, $56.49; 2, $75.32.

New York Belting & Packing Co., New York city, Item 1, $57.50; 2, $76.50.

A. G. Long Co. Inc., Portland, Ore., Item 1, $62.50; 2, $83.33.

Goodyear Rubber Co., Portland, Ore., Item 1, $63; 2, $84.

Marshall-Wells Co., Portland, Ore., Item 1, $61.45; 2, $79.80.

Manhattan Rubber Mfg. Co., Passaic, N. J., Item 1, $67.75; 2, $90.29.

General Rubber & Supply Co., Portland, Ore., Item 1, $75.94; 2, $98.11.

B. F. Goodrich Rubber Co., Seattle, Wash., Item 1, $78.50; 2, $101.40.

The Peerless-Pacific Co., Portland, Ore., Item 1, $94.50; 2, $126.

New York Rubber Co., New York City, Item 1, $112.47; 2, $119.46.

Gutta Percha & Rubber Mfg. Co., New York City, Item 1, $222; 2, $405.

WASHINGTON, D. C.—Otis Elevator Co., Washington, D. C., at $9846 submits only bid to Supervising Architect, Treasury Department, to install two magnet control electric elevators in Veterans' Hospital at Palo Alto, Cal.

SAN FRANCISCO.—Until June 20, 10 a.m., bids will be rec. by Quartermaster Supply Officer, Fort Mason, under Circular 22-79, for fur. and del. plumbing supplies, pipe and fittings, etc.

Separate bids, same date, under Circular 23-2, for fur. and del. gasoline, kerosene, engine distillate, lubricating oils, cup grease, fuel oil, linseed oil, etc.

MARE ISLAND, Cal.—Bids were received as follows on June 14 by the Public Works Office at Mare Island for dredging at the Naval Coal Depot (California City Point) Tiburon, California, under Specification No. 4660:

American Ddredging Co., 24¾c per cu. yd.

Pacific Coast Dredging Co., 25c per cu. yd.

WASHINGTON, D. C.—Bids were received on June 14 by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for the construction of two steel radio towers, with concrete foundations to be erected at Mare Island under Specification No. 4637.

At the same time bids were opened for constructing five double-section hangars, erection shop, pumphouse, oil and plant storehouse, one 40,000-gal. gasoline tank and oil tanks(hand operated and motor driven pumps, conc. roads, gasoline distributing lines, water mains, electric lines etc., for San Diego Naval Station. Spec. No. 4581.

Specification 4637

Brighton Structural Corp., Item 1, $72,383; 4, $81,966.

Donnell Zane, Item 1, $72,936; 4, $79,310.

Union Constr. Co., S. F., Item 1, $73,108; 4, $94,292.

Pittsburg-Des Moines Steel Co., Item 1, $81,127; 4, $105,876.

W. E. Kier, San Diego, Item 1, $84,000; 4, $91,000.

American Bridge Co., Item 1, $101,000; 4, $119,000.

Specification 4581

G. E. Engineering Co., New York, Item 1, $248,500; 2, $329,000.

Union Constr. Co., San Francisco, Item 1, $324,941; 2, $161,341.

K. E. Parker Co., Clunie Bldg., San Francisco, Item , $266,000.

Wm. Simpson Constr. Co., San Francisco, Item 1, $297,000; 2, $342,000.

Pittsburg-Des Moines Steel Co., Item 1, $377,000, 2, $319,500.

Allan Pope, Item 1, $295,000, 2, $317,000.

W. E. Kier Constr. Co., San Diego, Item 1, $299,000, 2, $248,700.

Lange & Bergstrom, San Francisco and San Diego, Item 1, $268,000; 2, $319,000.

MARE ISLAND, Cal.—The Public Works Office received the following two bids on June 14 for the construction of a one-story addition to the present power house No. 393, High Power Radio Station, Mare Island, California, under Specification No. 4664:

John Pringle, Vallejo, $8800, 120 days.

Fletcher & Warren, Vallejo, $10,300, 120 days.

HALLS AND SOCIETY BUILDINGS

Plans Being Prepared.
LODGE BLDG. Cost, $175,000
FRESNO, Fresno Co., Cal. Merced and Van Ness Ave.
Four-story and basement fireproof lodge and store building.
Owner—Knights of Pythias Board of Directors, Fresno, Cal.
Architect—Swartz & Ryland, Rowell Bldg., Fresno, Cal.

Contract Awarded.
ADDITIONS Cost, $20,000
OAKLAND, Cal. SW 30th St. and Telegraph Ave.
Alter and and additions to undertaking parlors.
Owner—C. H. J. Truman, 2935 Telegraph Ave., Oakland.
Architect—Not given.
Contractor—Jas. H. Pedgrift, 4110 Broadway, Oakland.

Contract Awarded.
FRATERNITY HOUSE Cost, $32,000
BERKELEY, Alameda Co., Cal. No. 2216 Piedmont Ave.
Three-story 23-room fraternity house.
Owner—Kappa Sigma.
Architect—C. C. Dakin, 2961 Pine Ave., Berkeley.
Contractor—Ben Pearson, 2403 Grant St., Berkeley.

HOSPITALS

Commissioned to Prepare Plans.
HOSPITAL Cost, $2,000,000
LIVERMORE, Alameda Co., Cal. Cresta Blanca property, known as Johnson Ranch, 5 miles from Livermore.
Group of 30 reinforced concrete and frame hospital buildings (Tubercular War Veterans' Hospital).
Owner—U. S. Government.
Architect—Matthew O'Brien, 68 Post St., San Francisco.
Architect O'Brien just returned from Washington, where preliminary skketches were approved by the Veterans' Bureau.
The buildings will be of reinforced concrete, with the exception of eleven bungalows for medical officers of the resident staff.
The buildings in detail will be two infirmaries, one mess hall, a nurses' home, bachelor quarters for medical doctors in charge, eleven bungalows, three semi-ambulant wards, having beds for 100 patients, three ambulant wards of equal capacity, one recreation hall, a chapel, and adminstration buildings that include a power plant, fire station and quarters for the attendants.

Sketches Approved
HOSPITAL, ETC. Cost, $35,000
OAKDALE, Stanislaus Co., Cal.
Hollow tile hospital and nurses' cottage.
Owner—City of Oakdale.
Architect — Davis-Heller-Pearce Co., Delta Bldg., Stockton.

Working Drawings Being Prepared.
HOSPITAL Cost, $——
LOS ANGELES, Beaudry Ave. and Sunset Blvd.
Eight-story and basement class A hospital building 100x200, and a dormitory.
Owner—St. Vincents Hospital.
Architect—John C. Austin, Baker-Detwiler Bldg., Los Angeles.

Contracts Awarded.
STOREHOUSE Cost, $——
SAN FRANCISCO. Letterman General Hospital.
One-story and basement reinforced concrete storehouse, 46x140.
Owner—U. S. Government.
Architect—Owners.
General contract to the The Union Constr. Co., Balfour Bldg., San Francisco, $19,438.
Electrical work to M. E. Ryan, Clunie Bldg., S. F., $117.

REDDING, Shasta Co., Cal.—Redding Lumber Co. awarded contract by the Supervisors to furnish 100,000 shingles for use at the county hospital at $7.74 per M; also for 7500 ft. of flooring at $74.50 per M ft.

OAKLAND, Cal.—Only one bid was received on June 12 by Geo. E. Gross, clerk of Alameda County, for the alterations and additions to a one-story frame Ward Building at Alameda County Hospital, near San Leandro. E. T. Leiter & Son, 3607 West St., Oakland, $7937. The contract was awarded.

RENO, Nevada.—The Washoe County Commissioners in the near future will ask bids for furnishing and installing equipment in the new county isolation hospital.

HOTELS

Contract Awarded.
HOTEL BLDG. Cost, $——
LOS ANGELES, Cal. McCadden Place and Hollywood Blvd.
Eight-story and basement Class A hotel building, 40x137.
Owner—W. H. Christie.
Architect—Arthur R. Kelly, Van Nuys Bldg., Los Angeles.
Contractors — Lange & Bergstrom, Washington Bldg., Los Angeles.

Completing Plans.
HOTEL Cost, $200,000
SAN LUIS OBISPO, Cal.
Five-story and basement Class C store and hotel building, 86x160 (120 rooms, 112 bathrooms).
Owner—Carpenter Hotel Co.
Architect—George Rushforth, 354 Pine St., San Francisco.
Contractor—Rosene-Hunt-Sprager Co., 425 Pacific Finance Bldg., Los Angeles.
An estimate will be submitted by the above contractors, which if satisfactory, will be accepted. Otherwise it will be sent out for competitive bids.

Plans Completed.
HOTEL Cost, $208,000
SAN BERNARDINO, Cal. E Street.
Five-story steel frame hotel (150 rooms terra cotta and caen stone facing).
Owner—C. B. Phillips.
Architect—Howard E. Jones, Katz Bldg San Bernardino.

Plans Being Prepared.
STORE AND HOTEL Cost, $350,000
AMARILLO, Texas. Seven-story fireproof store and hotel (250 rooms and 5 stores).
Owner—T. S. Mitchell, Amarillo, Texas.
Architect—Geo. C. Burnett, El Paso, Texas.

OAKDALE, Stanislaus Co., Cal.—Rodden Bros., of Oakdale, plan 13-room addition to Live Oak Inn, leased to H. E. Manchester. Will be of brick construction.

PUBLIC BUILDINGS

Plans to Be Prepared.
POSTOFFICE Cost, $——
MODESTO, Stanislaus Co., Cal. I and 12th Sts.
Brick or concrete Postoffice building.
Owner—Modesto Postoffice Improvement Associaation.
The members of the association who make the building possible are: C. R. Tillson, G. P. Shafer Co., George Perley, N. E. DeYoe, T. K. Beard, F. E. Smith, C. B. Taylor, W. J. Brown, E. H. Tickle, J. Beatty, W. F. Ramont, O. A. Sullivan, H. F. Johnston, C. F. Wente, M. E. Angelo, W. W. Giddings, George A. Cressey, L. C. Black, H. T. Crow, E. L. Sherman and Edward Ealey.
The proposal that has been accepted by the Governmental departments specifies that the Government shall lease the building for $3600 a year.

STOCKTON, San Joaquin Co., Cal.—Bids will be received until July 3, 1922, at 11 A. M., by E. D. Graham, Clerk of the City of Stockton, for alterations to grandstand at Agricultural Park, in accordance with plans prepared by Architect Wright & Satterlee, Bank of Italy Bldg., Stockton. Plans may be obtained from the Board of Supervisors on a deposit of $10.

PETALUMA, Sonoma Co., Cal.—Until June 20, bids will be received by W. T. Spridgen, secretary Park Commissioners to erect lavatory and showers in Kenilworth Park. Spec. may be had from secretary.

RESIDENCES

To be Done by Day's Work.
12 DWELLINGS Cost, $2000 each
SAN FRANCISCO. E Madrid N Excelsior.
Twelve 1-story and basement frame dwellings.
Owner—K. Anderson and T. Johnson, 133 Bertita Ave., San Francisco.
Architect—None.

To Be Done by Day's Work.
6 DWELLINGS. Cost, $5000 and $5300 ea.
OAKLAND. Barrows Road E Cavanaugh.
Six two-story 6-room dwellings.
Owner—J P. Peppin, 1423 Franklin St., Oakland.
Architect—Not given.

Figures to be Taken Shortly.
RESIDENCE Cost, $10,000
SAN JOSE, Santa Clara Co., Cal.
Two-story frame residence.
Owner—Mrs. Mary V. Leaman.
Architect—Wyckoff & White, Growers Bank Bldg., San Jose.

Plans Being Prepared.
RESIDENCE Cost, $——
SAN FRANCISCO. Jordan Park District.
Two-story and basement frame residence.
Owner—A. Grunauer.
Architect — Erle J. Osborne, Balboa Bldg., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $5000
OAKLAND, Cal.
1½-story frame residence.
Owner—Mrs. Boggs.
Architect—Jas. T. Narbett, 910 Macdonald Ave., Richmond.

Plans Complete.
GARAGE. Cost, $11,000
SACRAMENTO, Cal. 112 45th St.
Two-story farme 9-room dwelling and garage.
Owner—C. E. Wright, 817 J St., Sacramento.

A. E. Leitch Fred Clark
CLARK & LEITCH ROOFING CO.
Successors to E. S. Warner
Office and Warehouse:
1116 SECOND ST., SACRAMENTO
Phone Main 726

Contract Awarded.
RESIDENCE Cost, $12,500
BERKELEY, Alameda Co., Cal. 70 Hillcrest.
Two-story frame 8-room residence and garage.
Owner—Mrs. James Gee, cor. Los Angeles and Shattuck Aves., Berkeley.
Architect—Not given.
Contractor—McWethy & Greenleaf, Albany Bldg., Oakland.

Plans Being Figured.
RESIDENCE Cost, $7500
MENLO PARK, San Mateo Co., Cal.
One-story, attic and basement 7-room frame residence (shingle exterior).
Owner—Dr. Alfred Blake.
Architect—Ernest Hildebrand, 110 Sutter St., San Francisco.

Contract Awarded.
RESIDENCES Cost, $17,750
SAN FRANCISCO. NW 27th Ave. and Balboa.
Four 1-story frame residences.
Owner—Wm. Klute, 489 Haight St., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $13,654
BERKELEY, Cal. Claremont District.
Two-story and basement frame residence.
Owner—Sumner Clement.
Architect—W. H. Ratcliff, Jr., 1st National Bank Bldg., Berkeley.
Contractor — David Nordstrom 4146 Emerald Ave., Berkeley.

Plans Being Figured.
RESIDENCE Cost, $20,000
SAN FRANCISCO. Presidio Heights.
Two-story frame and plaster residence with tile roof (10 rooms).
Owner—Not given.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.

SCHOOLS

Contracts Awarded.
SCHOOL Cost, $
WATSONVILLE, Santa Cruz Co., Cal. Pajaro School District.
One-story reinforced concrete school building.
Owner—Pajara School District. Thos. S. Hudson, Clerk. R. F. D. No. 2, Box 70, Watsonville.
Architect—Wyckoff & White. Growers Bank Bldg., San Jose.
General Contract to George Armstrong of Oakland, $26,097. (Other bidders were E. Porter Smith, $26,350 and K. E. Mollerskop, $27,202.
Heating to Thos. J. Kennedy, Martinez $2006.
Plumbing to P. J Fitzpatrick Co. of Watsonville. $1588.

Contracts Awarded.
SCHOOL Cost, $260,000
NAPA, Napa Co., Cal.
Reinforced concrete high school building.
Owner—Napa Union High School District.
Architect—W. H. Weeks, 360 Pine St., San Francisco.
General Contract to Larsen-Siegrist, Claus Spreckels Bldg., San Francisco, $262,777.
Painting to D. Zelinsky & Son, 180 Jessie St., $6700.
Heating to Hateley & Hateley, Mitau Bldg., Sacramento, amount not decided.

Figures to Be Taken in About 10 Days.
SCHOOL Cost, $35,000
BRENTWOOD, Contra Costa Co., Cal
One-story frame and plaster school.
Owner—Brentwood Grammar School District.
Architect—Jas. T. Narbett, 910 Macdonald Ave., Richmond.

Plans Being Figured—Bids Close June 30, 1922, 8 p.m.
SCHOOL Cost, $10,000
FRANKLIN, Sacramento Co., Cal.
One-story frame and plaster school.
Owner—Franklin School District
Architect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.

Plans Being Figured—Bids Close June 16, 1922, 8 p.m.
SCHOOL Cost, $20,000
KELSEYVILLE, Lake Co., Cal.
One-story reinforced concrete 4-room school.
Owner—Kelseyville School District.
Architect — Norman R. Coulter 46 Kearny St., San Francisco.
Plans may be obtained from the architect.

Plans Being Figured.
Bids Close June 23, 1922, 10 a.m.
SCHOOL Cost, $80,000
UKIAH, Mendocino Co., Cal.
One and two-story reinforced concrete school (16 rooms).
Owner—Ukiah Elementary School District, Mrs. Orval Tadlock, clerk.
Architect—Norman R. Coulter 46 Kearny St., San Francisco.
See call for bids under official proposal section in this issue.

Contracts Awarded—Painting to Be Refigured.
SCHOOL Cost, $40,000
RIO LINDA, Sacramento Co., Cal.
One-story hollow tile addition to school (3 rooms and an auditorium).
Owner—Rio Linda School District.
Architect — Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
Masonry and Carpenter Work to H. W. Robertson, 1209 20th St., Sacramento, $28,289.47.
Plastering to Thos. P. Scollan, 2320 X St., Sacramento, $6917.
Roofing to Allen Burr, $385.
Complete Mechanical Equipment to Latourrette-Fleal Co., 2761 Sacramento Blvd., Sacramento, $9290.
The painting bids were rejected and new bids will be called for.

Plans on File at Daily Pacific Builder.
Plans Being Figured—Bids Close June 21, 1922, 7:30 p.m.
ADDITION Cost, $——
STOCKTON, San Joaquin Co., Cal.
North School.
Addition to School.
Owner—Stockton Board of Education.
Architects — Davis-Heller-Pearce Co., Delta Bldg., Stockton.
Plans and specifications are on file in the office of the Daily Pacific Builder, 560 Mission St., San Francisco.

Contracts Awarded
SCHOOL Cost, $63,000
BERKELEY, Alameda Co., Cal. Longfellow School Site.
Two-story brick school (17 rooms).
Owner—Berkeley Board of Education.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Excavating, Grading and Concrete Work to Schuler & McDonald, Oakland, $13,567.
Carpenter and Millwork to Walter Sorensen, 3221 Ellis St., Berkeley, at $26,574.
Roofing and Sheet Metal Work to Heidt Cornice Works, 152 1st St., San Francisco, $1576.
Structural Steel to F. S. Herrick, foot of Adeline St., Oakland, $2859.
Electrical Work to Spencer Electric Co., 351 12th St., Oakland, $2833.
Heating and Ventilating to F. L. Warner, 696 20th St., Oakland, $2280.
Plumbing to Carl T. Doell, 467 21st St., Oakland, $5678.
Brick Work to White & Gloor, Monadnock Bldg., San Francisco, $22,450.
Lathing and Plastering to M. Ebinger, 1063 Alcatraz Ave., Oakland, $6086.
Painting to D. Zelinsky, 180 Jessie St., San Francisco, $2077.
Shades to W. & J. Sloane Co., San Francisco, $343.

Contract Awarded
SHOP BLDG Cost, $38,283
PORTERVILLE, Tulare Co., Cal.
Shop building for high school.
Owner—Porterville Union High School District.
Architect—Coates & Travers, Rowell Bldg., Fresno.
Contractor—Barkelow & Gould, Tulare, Cal.

Plans Being Figured
Bids Close June 23, 1922, 8 p.m.
GYMNASIUM Cost, $30,000
GONZALES, Monterey Co., Cal.
One-story frame and plaster gymnasium.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Bids are being taken for a general contract, with separate bids for the heating system.

Contract Awarded.
SCHOOL Cost, $54,865
LEMOORE, Kings Co., Cal.
One-story brick school.
Owner—Lemoore School District.
Architect—Ernest J. Kump Co., Rowell Bldg., Fresno, Cal.
Contractor—D. F. Cahill, Lemoore, Cal.
Other bidders for a general contract were: Louis Cereghino, San Francisco and Fresno, $54,912; Barkeley and Gould, Tulare, $56,919. Contract for heating awarded to B. A. Newman Co., Fresno, $5185. Horlock-Clow Co., Hanford, only other bidder at $5918.

FRESNO, Fresno Ca., Cal.—Until June 27, 3 P. M., bids will be received by the Trustees of Biola School District to erect masonry and frame school building. Estimated cost, $40,000. Swartz & Ryland, Rowell Ldlg., Fresno, architects. **See call for bids under official proposal section in this issue.**

REEDLEY, Fresno Co., Cal.—As previously reported, bids will be received up to June 30, 8 P. M., by the trustees of Reedley Joint-Union High School District to construct a group of high school buildings; estimated cost, $450,000. Norman F. Marsh, Broadway Central Bldg., Los Angeles, Architect. Supretendent of Construction, Trewhitt-Shields Co., Rowell Bldg., Fresno. **See call for bids under official proposal section in this issue.**

LOS ANGELES, Cal.—The $17,400,000 bond issue for new school buildings in Los Angeles carried at the special election. Of this amount, $10,040,000 is for elementary school purposes and $7,360,000 for high school improvements. The Board of Education has announced that it will undertake $5,000,000 of the new work as soon as funds are available, this work to be completed within one year. The bldg. program will extend over a period of three years.

LOS ANGELES, Cal.—Logan St. School—K. R. Bradley Constr. Co., 1925 E. 16th St., L. A., was low bidder at $71,870 on the gen. contr. for erecting new two-story 10-room brick school bldg. at Logan St. school site; Harlow M. Kimball, archt. Low bidders on other contracts were: C. F. Ballinger on plumbing at $6559; R. E. Swan on painting at $2880; American Electric Constr. Co. on wiring at $2675, and J. Hokom on steam heating, $4059.

Lincoln School Building—Glenn O. Winget, 315 W. 46th St., L. A., was low bidder at $50,350 on gen. contr. for erecting a manual arts bldg. at Lincoln High School site. Low bidders on other contracts were: A. Quandt & Son on painting at $2229; Arthur Hess on plumbing at $3085; Potter Radiator Corp. on heating at $2490. Two-story, 107x137 ft., steel frame, metal lath and plas. and conc. walls.

Soto Street School Building—Richardson Building & Engineering Co., 1127 Story Bldg., L. A., was low bidder at 26,000 on gen. contr. for constr. an addition and remodeling Soto St. school bldg. Low bidders on other contracts were: W. S. Goodrich on steam heating at $2000; A. Quandt & Son on painting at $1358; and F. J. Donnelly on plumbing at $1795.

EUREKA, Humboldt Co., Cal.—Bid of H. G. Ackerman, Eureka, at $14,987, to construct shower and various other rooms to high school rejected as being too high. Work postponed indefinitely. Geo. M. Albee, superintendent of schools.

PACIFIC GROVE, Monterey Co., Cal.—Until June 29, 8 P. M., bids will be received by J. J. Williams, clerk, Pacific Grove High School District, for painting all outside surface wood work, cornice, trash and window frames and all other portions of the outside of the high school. To receive 2 coats of lead and oil, lead and zinc paint. Resanding all outside wood now sanded with one coat. Spec. may be had from clerk.

OAKLAND, Cal.—The following bids were received on June 12 by the Oakland Board of Education for the alteration to two-story flat building for the Cole School, of the Oakland High School District, located on the southeast corner of 12th and Poplar Sts. All bids were taken under advisement:

F. W. Maurice, 1362 E-25th St., Oakland	$13,700
Barnes & Place	14,975
A. J. McPhee	16,990
Lawton & Vezey	17,397

CARUTHERS, Fresno Co., Cal.—Until June 24, 2 P. M., bids will be received by H. C. Kofoid, clerk, Caruthers School District to construct seven class room school building and auditorium. E. W. Peterson, Cory Bldg., Fresno, architect. **See call for bids under official proposal column in this issue.**

SAN FRANCISCO.—Mr. Shields of the firm of Trewhitt & Shields of Fresno, is stopping at the Cort Hotel on Bush St. and has with him a set of plans for the Reedley High School buildings (a group of seven reinforced concrete structures). Plans are also on file in the San Francisco Builders' Exchange, 180 Jessie St. Trewhitt & Shields are the construction managers and Norman F. Marsh of Los Angeles, the architect. A copy of the official proposal appears in the Daily Pacific Builder. The date of opening bids has been extended to July 10, 1922, at 8 p.m.

ORLAND, Glenn Co., Cal.—Until June 24, 8 p.m., bids will be rec. by L. E. Brownell, clerk Orland Joint Union High School District, for installing heating and ventilating system in high school. W. H. Weeks, 369 Pine St., San Francisco, architect. **See call for bids under official proposal section in this issue.**

INDEPENDENCE, Inyo Co., Cal.—Until June 26, 2 P. M., bids will be received by Owens Valley Union High School District to erect 2-story concrete school. W. H. Weeks, 369 Pine St., San Francisco, architect. **See call for bids under official proposal section in this issue.**

INDEPENDENCE, Inyo Co., Cal.—Until June 26, 2 P. M., bids will be received by Independence Grammar School District to erect one-story concrete school. W. H. Weeks, 369 Pine St., San Francisco, architect. **See call for bids under official proposal section in this issue.**

HOLLISTER San Benito Co., Cal.—Until June 22, 2 P. M., bids will be received by Mrs. Waldo Rohnert, clerk, Ausaymas School District to construct addition to present school building. Plans on file in office of County Supt. of Schools at Hollister. Bonds to the amount of $1600 have been voted.

FRESNO, Fresno Co., Cal.—Until July 13, 5 P. M., bids will be received by L. L. Smith, Secretary Board of Education, to erect five bungalows for school purposes. **See call for bids under official proposal section in this issue.**

LOS ANGELES, Cal.—Darrell Coldley Co., 520 Marsh-Strong Bldg., L. A., was low bidder at $98,500 on the gen. contr. for erecting a new bldg. at Gardena High School site. Farrell & Miller, 503 Delta Bldg., L. A., archts. Low bidders on other contracts were: Prewitt Electric Co., on wiring at $6719; and A. Quandt & Son on painting at $3965. Ten classrms., auditorium and offices, 2-story, 155x64 ft., with a wing 67x56 ft. Brick const.

Albion St. School—Davidson Constr. Co., 1445 E. 16th St., L. A., was low bidder at $59,864 on gen. contr. for new bldg. at Albion school site. T. Beverly Keim Jr., 708 Hans Bldg., L. A., archt. Low bidders on other contracts were: H. W. Dressler Co. on plumbing at $6100; F. J. Donnelly on heating at $5318; D. Zelinsky & Son on painting at $2327; and Prewitt Elec. Co. on wiring at $2219. Twelve classrms., 2-sto., 122x63 ft., brick construction.

LONG BEACH, Cal.—W. G. Reed, Walker Bank Bldg., Salt Lake City, was low bidder for the gen. contr. at $50,700 for erecting the first unit of the new Whittier grammar school, 17th St. and Walnut Ave, Long Beach. Other low bids were: F. D. Reed Co., plumbing, $3827; Arenz-Warren Co., painting, $2810; Frank Davidson, steam heating, $2692; Williams Radiator Co., gas heating, $2100; L. B. Marsh Co., wiring, $870. John C. Austin, Baker-Detwiler Bldg., and W. Horace Austin, 222 First Nat. Bank Bldg., Long Beach, archts. Bids referred to archts. Brick and masonry constr.; 8 rooms.

RAYMOND, Madera Co., Cal.—F. F Knowles, Raymond, at $1600 awarded contract by Raymond High School District to construct addition to high school. Other bidders: A. J. Wood, $1587.50; O. T. Osmunson, $1895.

FRESNO, Fresno Co., Cal.—Until July 13, 5 P. M., bids will be received by L. L. Smith, Secretary Board of Education, to construct gymnasium building at new high school. Coates & Travel, Rowell Bldg., Fresno, architects. **See call for bids under official proposal section in this issue.**

MADERA, Madera Co., Cal.—M. H. Tyrrell, clerk Madera School District, receiving bids for tinting and repairing plaster and varnishing woodwork in Lincoln School. Date for opening bids not set.

PACIFIC GROVE, Monterey Co., Cal. —Until June 29, 8 P. M., bids will be received by J. J. Williams, clerk, Pacific Grove School District for furnishing and installing 725 assembly chairs in Auditorium of Pine Ave. Grammar school; to be American Seating Company Chairs, No. 21-301 Standard, or No. 121-317 Standard, or equal.

SANTA CRUZ, Santa Cruz Co., Cal.—Until June 26, 10 A. M., bids will be received by E. L. Bishop, Mountain School District, to construct additions to school. **See call for bids under official proposal section in this issue.**

REDWOOD CITY, San Mateo Co., Cal. —Until July 6, 2 P. M., bids will be received by D. E. O'Keefe, Secretary Sequoia Union High School District, to remodel and complete manual training building for high school. Werner & Coffey, 312 Humboldt Bank Bldg, San Francisco, architects. **See call for bids under official proposal section in this issue.**

MARICOPA, Kern Co., Cal.—Until June 22, 10 a.m., bids will be rec. by H. E. Osburn, clerk Maricopa High School District, for the furnishing of all material and labor necessary for the erection and completion of a grand stand for ball park, with inclosure for five school busses; also for alterations in Domestic Science rooms, making same into four class rooms for the Maricopa High and Paleto Grammar School District, and also rearrange and build a cafeteria for the Paleto Grammar School District, as per plans and specifications on file in the office of J. M. Saffell, architect, 924 19th St., Bakersfield, Kern County.

DINUBA, Tulare Co., Cal.—Contracts were awarded on June 8 by the Board of Trustees of the Dinuba Union High School District as follows for the erection of a science hall and an addition to the high school. Plans were prepared by Architects Ernest J. Kump Co., Rowell Bldg., Fresno:

Contract No. 1—Alterations to Auditorium awarded to C. C. Greene, Dinuba, at $8076.00.

Contract No. 2—Science Hall and additions to J. H. Graham & Sons, Dinuba, at $19,990.00.

Contract No. 3—Brick work, to Hock & Hoffmeyer, 180 Jessie St., San Francisco, $3523.00.

Contract No. 4—Composition and tile roofs, bids taken under advisement.

Contract No. 5—Plumbing and Heating, to E. A. Newman Co., $7400.00.

Contract No. 6—Plain and ornamental Plastering, to Barney Judge, at $5000.00.

Contract No. 7—Electrical Work, to Curry Electric Co., Dinuba Cal., at $2800.00.

Contract No. 8—Painting and Decorating, to N. W. Davis, Fresno, Cal., at $1750.000.

Total contracts let $13,539.00

LOS GATOS, Santa Clara Co., Cal.—Bids were received on June 12th, as follows, by the Board of Trustees of the Los Gatos School District, for the construction of a two-story frame sixteen room school building, from plans prepared by Architects Wyckoff and White, Growers Bank Building, San Jose:

The general contract was awarded to E. Nommensen, 19 South Fifth St., San Jose, and the plumbing, heating and ventilating bids were taken under advisement.

General Contract

E. Nommensen, S. J., (1) $79,857; (2) deduct $3,150; (3) deduct $2,000

R. O. Summers, S. J., (1) $93,800; (2) ——; (3) ——.

Ward & Jones, S. F., (1) $95,880; (2) $88,990; (3) $90,880.

C. L. Wold, S. F., (1) $98,970; (2) $94,680; (3) $93,760.

Lange & Bergstrom, (1) $99,634; (2) $94,500; (3) $95,590.

Armstrong & Muller, (1) $102,743; (2) $97,260; (3) $98,122.

Plumbing

Fred Berryman, (1) $5,780; (2) $5,209, (3) $6,565.

Louis Lawson, (1) $6 340; (2) ——; (3) $7,625.

Wm. S. Serpa, (1) $6,834; (2) add $1,080; (3) ——.

Heating and Ventilating

W. K. Nottingham, Oakland, (1) $7,366; (2) deduct $909; (3) $9,440; (4) deduct $935.

Fred Berryman, (1) $8,860; (2) $10,126; (3) $11,495; (4) $12,832.

Scott Co., (1) $9,020; (2) deduct $715; (3) $10,820; (4) deduct $779.

RIO LINDA, Sacramento Co., Cal.—The Board of Trustees of the Rio Linda Union School District received the following bids on June 9th for the construction of a one-story hollow tile addition to the present school. Plans were prepared by Architects George C. Sellon & Co., Mitau Bldg., Sacramento. All bids were taken under advisement.

Masonry and Carpenter Work

H. W. Robertson, 1209 20th St., Sacramento $28,289.47

Jas. L. McLaughlin, S. F..... 30,000.00

Earle Hibbard 32,000.00

Plastering

Thos. P. Scollan, 2320 X St., Sacramento $6917

Painting

Chas. L. Hale.....$1799

D. E. Burges 2489

R. Zelinsky 2719

C. Schneider 2748

Roofing

Allen Burr $385

Complete Mechanical Equipment

Latourrette-Fical Co., 2761 Sacramento Blvd., Sacto.....$9290

LOS BANOS, Merced Co., Cal.—M. M. Finlayson, Los Banos, at $13,697 (concrete) awarded contract to construct additional wings to high school, 42x115 ft. Other bids: Jos. Fittner, Oakland, brick, $19,700; concrete, $18,775; Finlayson bid $15,830 for brick construction.

STOCKTON, San Joaquin Co., Cal.—Until June 21, 7:30 p.m., bids will be rec. by Ansel S. Williams, secty. Board of Education, for fur. and del. materials for use in Stockton Schools **See call for bids under official proposal section in this issue.**

FORT JONES, Siskiyou Co., Cal.—Until July 1, 10 a.m., bids will be rec. by Leila E. Steele, secty. Siskiyou Union High School District, to const. high school building at Fort Jones. Plans on file in high school at Fort Jones. **See call for bids under official proposal section in this issue.**

WOODLAND, Yolo Coa., Cal.—Until June 30, 3 p.m., bids will be rec. by B. H. Witham, clerk Cacheville School District, for remodeling present school building. Plans on file in office of County Supt. of Schools, Woodland.

STORES AND OFFICES

Plans Being Prepared.
ALTERATIONS Cost, $15,000
WATSONVILLE, Santa Cruz Co., Cal.
Remodel Ford building.
Owner—Withheld.
Architect—Wyckoff & White, Growers Bank Bldg., San Jose.

Contract Awarded.
OFFICE BLDG. Cost, $——
TURLOCK, Stanislaus Co., Cal. W. Main St. and Broadway.
Two-story store and office building (23 offices).
Owner—Mercantile Department Store.
Architect—Not given.
Contractor — Wakefield & Peterson, Turlock, Cal.

Architect Selected.
STORE & CLUB BLDG. Cost, $1,000,000
SAN FRANCISCO. N Post bet. Powell and Mason Streets.
Ten-story Class A store and club building, 90-9x137-6 (about 100 hotel rooms, gymnasium, etc.)
Owner—Elks Club.
Architect—Fred H. Meyer and Albin Johnson, 742 Market St., San Francisco.

Contract Awarded.
STORE Cost, $12,000
RICHMOND, Contra Costa Co., Cal. E 9th St. bet. Macdonald Ave. and Nevin St.
One-story brick store building, 50x112.
Owner—Dr. Hall Vestal, 341 23rd St., Richmond.
Architect—Not given.
Contractor—Carl Overaa, 2165 Roosevelt, Richmond.

Plans to Be Prepared.
STORE Cost, $——
SANTA ROSA, Sonoma Co., Cal. Fifth St.
One-story concrete store, bldg. 20x100.
Owner—Chas. O. Dunbar, Santa Rosa.
Architect—Not given.

Ready to Take Figures June 14.
STORE Cost, $8500
SAN FRANCISCO. Geary St., near Fourth Ave.
One-story, basement and mezzanine floor store building.
Owner—E. E Gillon.
Architect—Erle J. Osborne, Balboa Bldg., San Francisco.

Contract Awarded.
STORE Cost, $12,000
SAN FRANCISCO. W Mission St S 18th.
One-story reinforced concrete store building.
Owner—Mr. Davis.
Architect—E. E. Young, 251 Kearny St. San Francisco.
Contractor—Thos. Mulcahy, 180 Jessie St., San Francisco.

Plans Completed.
ALTERATIONS Cost, $20,000
SAN FRANCISCO. Flood Building, Market and Powell.
Extensive alterations for store (new store fronts, etc.)
Owner—Sweet Sixteen Store.
Architect — Henry Saermund, Hearst Bldg., San Francisco.

Plans Being Figured.
OFFICE BLDG. Cost, $50,000
SAN FRANCISCO. S Sacramento near Battery.
Three-story Class A office and loft building.
Owner—H. & W. Pierce, Inc.
Architect—Benj. G. McDougall, 381 Bush St., San Francisco.

Figures to Be Taken Shortly.
STORE Cost, $30,000
BERKELEY, Cal. Telegraph Ave. and Channing Way
One-story reinforced concrete store building (7 stores).

Owner—Berkeley Leasing & Realty Co
Architect—W. H. Ratcliff Jr., First National Bank Bldg., Berkeley.

Segregated Figures Being Taken—Bids Close July 3, 1922.
OFFICE BLDG. Cost, $250,000
SAN FRANCISCO. N Market W of Sansome adjoining Patrick Bldg. and running through to Sutter St.
Seven-story reinforced concrete office building (Building No. 1).
Owner—Providence Securities Co.
Architect—Willis Polk & Co., Hobart Bldg., San Francisco.
Figures are being taken on the following segregations:
Excavating, foundation and concrete work.
Carpentry.
Lathing and plastering.
Roofing and sheet metal work.
Ornamental iron work.
Marble work.
Glazing.
Painting.
Hardware.
Electrical wiring.
Heating and ventilating.
Plumbing.
Lighting fixtures.
Elevators.
Linoleum.
Window shades.
Leather mats.
Terra cotta.
Tile (cork).
Tile work.
Mail chutes.

Plans to Be Prepared.
STORES Cost, $——
OAKDALE, Stanislaus Co., Cal. 2nd and F Sts.
Two-story brick (5) stores and offices 80x100.
Owner—Schadlich Bros., Oakdale.
Architect—Not determined.

Plans Being Figured.
POSTOFFICE Cost, $30,000
SAN FRANCISCO. Clement St. and Sixth Ave.
One-story Class C Postoffice.
Owner—Louis R. Lurie.
Lessee—U. S. Government.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.

Contract Awarded.
STORE BLDG. Cost, $11,500
OAKLAND, Cal. SW 32nd St. and San Pablo Ave.
One-story store building.
Owner—Jos. O. Falkinham, Hall Court Apts., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—Conrad Roth, Hayward.

THEATRES

Contract Awarded.
THEATRE Cost, $347,500
LOS ANGELES. SW Pico and Norton Ave.
One-story class A theatre (109x216) Forum Theatre.
Owner—The B. & H. Circuit.
Architect—E. J. Borgmeyer, 1003 California Bldg., Los Angeles.
Contractor—Lawrence Burck Construction Co., 325 S Hill St., Los Angeles.

$367,000 AUTHORIZED FOR NEW MEXICO ROADS

Expenditures totaling $367,000 of National Forest Highway funds for the construction of 64 miles of highway in New Mexico have just been approved by Secretary of Agriculture Wallace. This money was made available for roads serving the national forests and for roads within or adjacent to the forests, which are of primary importance to States, counties and communities.

The projects include 30 miles of road in Taos County, 25 milts in Catron and Grant, and nine miles in Santa Fe and Miguel Counties. On the Carson National Forest in Taos County two projects will receive Federal moneys. From the end of the 1915 State Highway to three miles south of Arroyo Hondo a road 12 miles in length will be constructed at a cost of $84,000. One hundred and eight thousand dollars will be devoted to reconstructing the 18 miles of road between the Taos County line and the town of Taos. This road in the opinion of a member of the State Highway Commission, will be more extensively used than any other by tourists passing through the northern section of the State.

Between Alma and the southern boundary of the Gila National Forest a road will be surveyed and built at a cost of $70,000. According to forestry officials, this will be of great service to the mining district at Mogollon and the farming regions about Pleasanton, Glenwood and Alma.

Sixty-five thousand dollars will be spent on a part of the main State Highway system between Canoncito and the Pecos Postoffice.

All roads on which the money will be spent are projects for which aid from the Forest Road Funds has been asked by the New Mexico Highway Commission.

ALAMEDA COUNTY BUILDERS' EXCHANGE VOTES JULY 3rd BUILDING HOLIDAY

(Contributed)

The Central Council of the Builders Exchange of Alameda County, at its meeting last week considered the desirability of building construction work being done on July 3rd. In view of the fact that everybody engaged in the building business has been hard at work, almost day and night, for the last ten months and July 4th coming on Tuesday will make it inadvisable to start up for the one day, it was suggested that Monday might be made a building industry holiday and thus give everybody a chance to get a few days rest with no loss in a business way.

Walter Spencer made the suggestion and as a dispenser of ideas he was at once voted to be a good fellow with a brain worthy of the great work in which he is engaged. Tim Sexton reported that the journeymen and apprentice plasterers had been so overworked of late that he thought they would appreciate a rest in order to give their limousines an opportunity to see the country. Jim Ellis reported that he had no leaky roofs to fix owing to the unusual weather conditions of California's salubrious climate and he thought the master roofers would be willing to let the world go hang on Monday. H. D. Jones, Jr., said the general contractors all had their buildings waiting for the gracious plasterers to come along and plaster them and one day more or less, in their young lives, would not make much difference. Robert King spoke on the divine right of Kings to declare a holiday whenever they saw fit. John W. Rule spoke on the innocuous desuetude of July 3rd in general. W. H. Graham said the master plumbers always enjoyed a piping good time and wished to be closeted with the Council on this matter. R. N. Osborn reported it was "closed season" on sheet metal work anyhow.

After all this weighty discussion a motion unanimously carried that July 3rd be declared a building industry holiday.

The State Builders Exchange is to be asked to dispense this thought to all Exchanges in Northern California with a view to this being declared a building industry holiday throughout the State.

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Official Proposals

A call for bids published in this section indicates that bids are desired from other than local bidders. Maximum competition is desired, and this is assured through BUILDING AND ENGINEERING NEWS which reaches every worth-while contractor and materialman in Central and Northern California who bids on public work.

Rate: 10 cents per line, per insertion.

All official calls for blds of the California State Highway Commission and Nevada State Highway Commission are published in this section.

BIDS WANTED

(Reedley High School Buildings)

The Board of Trustees of the Reedley Joint-Union High School District hereby invites sealed proposals for the furnishing of labor and materials and the erection and completion of a group of High School Buildings on the property owned by the District in the City of Reedley, Cal., according to plans and specifications as prepared by the District's Architect, Norman F. Marsh.

Bids for the various units as follows:

General Contract embracing all the work included in the plans and specifications except Painting, Plumbing, Program Clocks, Heating and Ventilation and Electrical Work.

Segregated bids as follows:

"A"

(1) Concrete and Cement work.
(2) Excavation and Carpentry.
(3) Mill work and Glazing.
(4) Finished floors.

"B"

(1) Brick and labor.
(2) Terra Cotta Tile and labor.
(3) Stone Tile and labor.
(4) Common Brick f. o. b. job.
(5) Terra Cotta Tile f. o. b. job.
(6) Stone Tile f. o. b. job.

"C"

(1) Reinforcing Steel.
(2) Structural and Ornamental Iron.

"D"

(1) Composition Roof.
(2) Clay Tile Roof.
(3) Asbestos Slate Roof.

"E"—Plumbing.
"F"—Heating and Ventilation.
"G"—Galvanized iron & Sheet metal.
"H"—Lath and Plastering.
"I"—Electric Wiring.
"J"—Painting.
"K"—Blackboards in place.
"L"—Finish Hardware f. o. b. job.
"M"—Patent Window Hardware f, o. b. job.
"N"—Program Clock and Bells.
"O"—Shades for Darkening.
"P"—Magnesite Composition.
"Q"—Cafeteria Kitchen Equipment.
"R"—Refrigerator.

NOTE: Contractors may bid on any item or any number as they may desire.

Plans for the General Contract; Electric Wiring; Heating and Ventilation; Painting; Plumbing, and Program Clock may be had from Norman F. Marsh, Architect, Suite No. 211 Broadway Central Building, Los Angeles, Cal. The same may be had from Trewhitt & Shields, Rowell Building, Fresno, Cal.; who will also receive the other segregated bids as indicated by the foregoing list.

All bids must be made on uniform bid blanks furnished by the Architect and Trewhitt & Shields and each item covering the various units of the several buildings to be filled out.

A deposit of Fifty ($50.00) dollars will be required for the plans and specifications of the General Contract and Twenty-five ($25.00) for the segregated contracts. This deposit to be refunded on the return of the plans and specifications accompanied with a bona-fide bid.

All bids must be sealed and delivered to Hon. Marion Deneen, Clerk of the Reedley Joint-Union High School District, on or before **8 P. M. Friday, June 30th, 1922,** and will be opened immediately thereafter in public.

All bids must be accompanied with a certified check or bid bond for five per cent (5%) of the total amount of bid, made payable to the Reedley Joint-Union High School District.

Successful bidders will be required to execute bonds to the amount of seventy-five per cent (75%) of the contract price and will also be required to present evidence of Compensation Insurance carrier before contracts will be executed for the District.

The Board of Trustees of the Reedley Joint-Union High School District reserves the right to reject any or all bids.

Done by order of the Board of Trustees of the Reedley Joint-Union High School District.

MELVIN PETTIT, President.
Attest: MARION DENEEN, Clerk.

BIDS WANTED FOR SIX ORDNANCE BUILDINGS, ETC., AT PEARL HARBOR

NOTICE TO CONTRACTORS

SEALED PROPOSALS, indorsed "Proposals for Ordnance Buildings, Pearl Harbor, Hawaii, Specification No. 4566," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock A. M., August 2, 1922, and then and there publicly opened, for six ordnance buildings, railroad track and water main extensions, at the Naval Operating Base (Ammunition Depot, Kuahua), Pearl Harbor, T. H. Each building will have concrete foundations and floor base. The war-head storehouse, torpedo storehouse and extension to main storage building will each have stuccoed hollow tile walls, wood roof deck and built-up roofing, steel sash, and a crane runway and crane. Ignition and storehouse will have stuccoed hollow tile walls, concrete roof deck and built-up roofing and asphalt mastic floor finish on the concrete base. Pyrotechnical storehouse and storehouse for small arms ammunition will be similar in construction and will have steel roof and wall framing covered with corrugated protected sheet metal and wood finish flooring on concrete base. Drawings and specification No. 4566 may be obtained on application the Bureau to the Commandant, Navy Yard, Mare Island, Calif., or to the Commandant, Naval Operating Base, Pearl Harbor, T. H. Deposit of a check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification. L. E. GREGORY, Chief of Bureau. April 21, 1922.

NOTICE TO CONTRACTORS

(Biola School, Fresno County. Four-room Brick and Frame Structure. Estimated Cost, $40,000)

Notice is hereby given that sealed bids will be received by the Board of Trustees of the Biola School District, Fresno County, California, **up to but not later than three o'clock P. M. on the 27th day of June, 1922,** at the public school building in Biola, California, for the erection and completion of a masonry and frame school building, all in accordance with plans and specifications prepared by Swartz & Ryland, the authorized architects employed by said Board.

Bids will be received as follows:

(1) The general contract, together with alternate propositions.

(2) The heating system, and plumbing system.

Each bid shall be made on a proposal blank, obtained at the office of architects, and to be signed by the bidder, and must be accompanied by certified or cashier's check on some responsible bank, or bidder's bond in the amount of ten per cent (10%) of the amount of the bid or proposal, made payable to I. N. Bryan, Clerk of the Board of Trustees, to be retained by the said school district as liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into contract within ten days after award, or to give bonds required for the faithful performance of the contract.

The successful bidder shall be required to furnish surety bonds satisfactory to the Board of Trustees in the amount of fifty per cent (50%) of the contract price as a guarantee of the faithful performance of the contract.

Plans and specifications can be obtained from the Architects, Room 624 Rowell Bldg., Fresno, California, on a cash deposit of ten dollars ($10.00) to be retained by the Architects if the plans are mutilated or are not returned by the time bids are received.

The Board of Trustees reserves the right to reject any and all bids.

Proposals shall be addressed to the owner, in care of the architects, and shall be delivered to the architects in an opaque sealed envelope marked "Proposals" and bearing the title of the work and name of bidder.

By order of the Board of Trustees of the Biola School District.

Signed: I. N. BRYAN,
S. M. ELLIS
J. H. BUSICK.

NOTICE TO CONTRACTORS

(Caruthers School)

NOTICE IS HEREBY GIVEN That the Trustees of Caruthers School District, Fresno County, Calif., will receive sealed bids for the construction and completion of a new school building at Caruthers, Calif., consisting of seven class rooms and an auditorium, in accordance with the plans and specifications prepared by E. W. Peterson, architect, Cory Building, Fresno, Calif.

All bids to be sent to H. C. Kofoid, Clerk of the Board, Caruthers, Calif., up to and not later than **2 P. M., on Saturday, June 24, 1922,** at which time bids will be opened at a Board meeting to be held at the Grammar School Building at Caruthers, Calif.

Plans and specifications may be obtained at the office of the architect.

Segregated bids will be received for the following work, also general bids covering all of the following work, namely:

Section 1—Excavating, concrete and carpentry.
Section 2—Brickwork.
Section 3—Plastering.
Section 4—Painting.
Section 5—Electric wiring.
Section 6—Steam heating, plumbing, sheet metal.
Section 7—Tile and composition roofing.

All bids to be accompanied by a certified check on some solvent bank for ten per cent of the amount of the bid, made payable to H. C. Kofoid, Clerk of the Board, upon condition that said certified check shall be retained by the School District as agreed and liquidated damages should the party or parties to whom the contract should be awarded fail to enter into a contract within five days after the award of said contract or fail to furnish the bonds in the amount of seventy-five per cent of the contract price.

The Trustees reserve the right to reject any and all bids.

By H. C. KOFOID,
Clerk of the Board of Trustees, Caruthers School District, Fresno County, California.

NOTICE TO BRIDGE CONTRACTORS

(STEEL BRIDGE)

Yreka, Siskiyou County, Calif., June 8th, 1922.

Pursuant to the order of the board of supervisors of the County of Siskiyou, State of California, sealed bids will be received until **ten o'clock a.m., Monday, July 3rd, 1922,** by W. J. Neilon, clerk of the board of supervisors, at his office in the hall of records in Yreka, said county and state, for the construction of a steel bridge of two spans, one span 80 feet and one span 64 feet, also for 60 feet of approach and fill at each end of bridge.

Alternate bids will be received for the following three types of steel bridge:

Pratt steel pin connected truss;
Pratt steel riveted pony truss; and
Curved chord riveted truss.

Said bridge to be erected over Scott river at the "Goodale crossing" in Scott River road district, said county and state.

Said bridge to be constructed in accordance with the plans and specifications adopted therefor and on file in the office of the county clerk. (Secure copies of the plans and specifications from H. J. Sarter, County Surveyor, Yreka, Calif.)

All bids to be sealed and accompanied by a certified check of at least ten per cent of the amount of bid.

Bids to be endorsed: "Bids for building Goodale Bridge" and addressed to W. J. Neilon, County Clerk, Yreka California.

By order of the Board of Supervisors.
(Seal) W. J. NEILON,
Clerk of the Board of Supervisors.

NOTICE TO BIDDERS ON SCHOOL SUPPLIES

Bids will be received for general school supplies in accordance with the following list, for the Stockton schools up to **7:30 p.m., on Wednesday, June 21st, 1922,** at the office of the Board of Education, Washington School Building, Stockton, Cal.

A $20 certified check will cover one or more bids on this list.

LIST

1. Hardwood lumber for high school.
2. Soft wood for elementary schools.
3. Mechanical drawing supplies.
4. Mortising and tenoning machines.
5. Cornice break for sheet metal shop.

The Board reserves the right to reject any or all bids.

Dated Friday, June 9th, 1922.

By order of the Board of Education.
By ANSEL S. WILLIAMS,
Secretary.

NOTICE CALLING FOR BIDS

(Mountain School Addition)

NOTICE IS HEREBY GIVEN That sealed bids will be received for the construction of an addition to the Mountain School building, located about three (3) miles north of Soquel, in the County of Santa Cruz, State of California, in accordance with the plans and specifications on file with the County Superintendent of Schools, at her office in the Court House in the City of Santa Cruz, County of Santa Cruz, State of California, prepared by A. H. Sievert. Bids will be opened at **10 o'clock A. M. on June 26th, 1922.** The right is reserved to reject any or all bids.

Dated June 10th, 1922.
E. L. BISHOP,
Clerk of the Board of Trustees of Mountain School District.

NOTICE TO CONTRACTORS

(Siskiyou High School)

The Board of Trustees of the Siskiyou Union High School invites bids of contractors for the construction of a High School Building on a site owned by the said district at Fort Jones, California. Plans and specifications for this building may be obtained at the office of said Board in the High School Building in Yreka. One copy of said plans and specifications will be kept on file at said office and be consulted there.

Separate bids will be accepted upon plumbing and heating, another for electric wiring; all other work will be under the general contract.

The Board reserves the right to reject any and all bids.

Certified check for 10% of the amount bid must accompany all offers of contractors. This is to insure the carrying out of the contract in case it is awarded and will be returned to the successful bidder on completion of bonds required to assure the construction of the building. Checks of unsuccessful bidders will be returned immediately upon the rejection of their bids.

Sealed bids will be received by Lelia E. Steele, Secretary, up to **ten o'clock A. M., July 1st, 1922.** All bids will be opened at this time.

BOARD OF TRUSTEES OF THE SISKIYOU UNION HIGH SCHOOL.
By LEILA E. STEELE,
Secretary.

NOTICE INVITING SEALED PROPOSALS FOR THE CONSTRUCTION OF AN ELEMENTARY SCHOOL BUILDING AT UKIAH. (One and Two-story Reinforced Concrete structure. Estimated Cost, $80,000).

NOTICE IS HEREBY GIVEN, by the Board of Trustees of the Ukiah School District at Ukiah, Mendocino County, California, that bids will be received by said Board for the erection and construction of a new Elementary School Building at Ukiah in said district.

Plans and specifications may be obtined from the Clerk of the Board at Ukiah, or from the Architect, Norman R. Coulter, at 46 Kearny Street, San Francisco, California. A deposit of Ten ($10.00) Dollars will be required for each set of plans.

All bids must be opened by the said Board of Trustees on the **23rd day of June, 1922, at 10 o'clock** at the residence of Mrs. Orval Tadlock, Clerk of said Board, located on W. Perkins street, Ukiah, Cal., and all bids must be delivered to said Mrs. O. Tadlock, Clerk of said Board, before that hour, enclosed in sealed envelope and marked on the outside, "Bids for construction of Elementary School Building at Ukiah."

Work on the construction of the proposed elementary school building must be commenced immediately upon the awarding of the contract and filing of a bond and must be progressed interruptedly and said edifice completed within 90 days.

Said contract will include the removal and salvage of the old building now located on the east side of the said school lot. The bidder to receive and have all material contained in said structure, save and excepting the furniture and school fixtures and school equipment contained therein.

All bids must be accompanied by a certified check, cash or a certificate of deposit equal to ten (10) per cent of the amount bid; checks of certificates of deposit to be made payable to the Board of Trustees and to be returned to the party or parties whose bid or bids are not accepted, and to the party whose bid is accepted upon his entering into a contract with the said School District and giving such bonds as may be required by law or said Board.

The Board of Trustees reserves the right to reject any and all bids.

MRS. ORVAL TADLOCK,
Clerk of the Board of Trustees of the Ukiah Elementary School District, Ukiah, Mendocino County, California.

NOTICE TO CONTRACTORS

(Independence School)

NOTICE IS HEREBY GIVEN That sealed bids will be received by the Board of Trustees of the Independence Grammar School District, of the County of Inyo, State of California, **up to the hour of two o'clock P. M. on Monday, June 26th, 1922,** at the office of the Clerk of said Board, in the town of Independence, in said County, for the erection, construction and completion of a one-story concrete building, in accordance with the plans and specifications made for the same by W. H. Weeks, the authorized architect of this Board.

Plans and specifications for said bids and for said work can be seen at the office of the Inyo County Abstract Company, in the said town of Independence, and also at the office of said W. H. Weeks, 369 Pine Street, San Francisco, California.

A deposit of $20.00 in lawful money will be required on each set of plans and specifications loaned out, to be refunded upon the return thereof in good condition.

All bids must be in writing and contained in a sealed envelope, plainly marked on the outside with the words, "Bid for construction of Independence Grammar Schoolhouse," and must be filed with the Clerk of said Board on or before 2 o'clock P. M., June 26th, 1922, and will be opened between the hours of two and three o'clock P. M. on said day, and must be acompanied by a certified check or lawful money of the United States, in an amount not less than five per cent (5%) of the amount bid, and payable to the President of said Board. Said check, or money to be forfeited to the use of said school district in the event the successful bidder or bidders hereunder, after having been awarded any contract hereunder, fails for ten days after notice thereof, to sign and furnish a good and sufficient contract and bond, to be approved by this Board, and as required by law, for the faithful performance of said work. This Board reserving the right to reject any or all bids received.

Dated at Independence, California, this 7th day of June, 1922.

R. L. GRACEY,
JAMES E. JONES,
C. I. MacFARLANE,
Board of Trustees of said District.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on July 10, 1922,** at which time they will be publicly opened and read, for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Placer County, between Auburn and ¾ miles north of Colfax (III-Pla-37-A-B and C), about sixteen and sixtenths (16.6) miles in length, to be graded and paved with bituminized macadam.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission
AUSTIN B. FLETCHER,
State Highway Engineer.
R. A. MURRAY, Secretary.

Dated June 12, 1922.

NOTICE TO BUILDING CONTRACTORS

(High School Gymnasium)

Pursuant to an order of the Board of Education duly made and entered in its minutes this 8th day of June, 1922, secretary is hereby authorized

to advertise for and accept bids on Gymnasium Building at the new high school. Plans and specifications on file with Coates & Traver, Rowell Bldg., Fresno.

The board reserves the right to reject any and all bids.

Each bidder must deposit with his bid a check in the amount of 10 per cent of the amount of the bid, payable to the president of the Board of Education.

All bids must be in the hands of the secretary of the board by **Thursday, July 13, 1922, at 5 P. M.**

By order of the Board of Education.
L. L. SMITH,
Secretary.

BIDS WANTED FOR FRAME BUILDINGS

OFFICE CONSTRUCTING QUARTERMASTER, FORT MASON, San Francisco, Calif. Sealed proposals, in triplicate, will be received here until **11 a.m., June 20, 1922,** for constructing frame officers' quarters, stables and gunsheds at Presidio of Monterey, Calif. Ten Dollars deposit required for return of plans.

NOTICE TO CONTRACTORS

(Manual Training Building)

Notice is hereby given that sealed bids will be received by the secretary of the board of trustees of the Sequoia Union High School District, Redwood City, San Mateo County, California, **until Saturday, the 6th day of July, 1922, up to and until the hour of 2 o'clock P. M., of said day,** when the said bids will be opened at the office of said clerk in the office of the Sequoia Union High School, Redwood City, California, for the remodeling and completion of the Manual Training Department of the Sequoia Union High School on the property lately acquired by the said district, located in Redwood City, California, said work to be performed must be completed on or before August 19 1922.

Plans and specifications for said work are on file at the office of the principal of the Sequoia Union High School and at the office of the architects, Werner & Coffey, 312 Humboldt Bank Building, San Francisco, California.

Bids must be made on proposals obtained at the office of the architects and be signed by the bidder, accompanied by a certified check for at least ten per cent (10%) of the amount of the bid or proposal, certified to by some responsible bank or banker, and made payable to D. E. O'Keefe, secretary of the Board, to be retained by the said School District as agreed and liquidated damages should the party or parties to whom the contract should be awarded fail to enter into the contract after award, or to give bonds required for the faithful performance of the contract, or any bond required by law.

The Board reserves the right to reject any or all bids or any or all items of such bids.

L. P. BEHRENS, President,
D. E. O'KEEFE, Secretary,
Board of Trustees, Sequoia Union High School District.

NOTICE TO CONTRACTORS

(Owens Valley Union High School)

Notice is hereby given that sealed bids will be received by the Board of Trustees of the Owens Valley Union High School District, of the County of Inyo, State of California, up to the hour of 2 o'clock P. M., on Monday, June 26th, 1922, at the office of the Clerk of said Board, in the Town of Independence, in the said County, for the election, construction and completion of a two-story concrete building, in said town of Independence, in accordance with the plans and specifications made for the same by W. H. Weeks, the authorized Architect of this Board.

Plans and specifications for said bids and for said work can be seen at the office of the County Clerk of the said County of Inyo, in the said Town of Independence, and also at the office of said W. H. Weeks, 369 Pine Street, San Francisco, California.

A deposit of Twenty Dollars in lawful money will be required on each set of plans and specifications loaned out, to be refunded upon the return thereof in good condition.

All bids must be in writing and contained in a sealed envelope, plainly marked on the outside with the words, "Bid for Construction of Owens Valley Union High School Building," and must be filed with the Clerk of said Board on or before **2 o'clock P. M., June 26th, 1922,** and will be opened between the hours of two and three o'clock P. M. on said day, and must be accompanied by a certified check, or lawful money of the United States, in an amount not less than five per cent (5%) of the amount bid, and payable to the President of the Board. Said check, or money, to be forfeited to the use of said School District in the event the successful bidder or bidders hereunder, after having been awarded any contract hereunder, fails for ten days after notice thereof, to sign and furnish a good and sufficient contract and bond, to be approved by this Board, and as required by law, for the faithful performance of said work. This Board reserving the right the reject any or all bids received.

Dated at Independence, California, this 9th day of June, 1922.

C. J. WALTERS,
DAN E. WILLLIAMS,
FRANK C. SCHERRER,
R. A. WILDER,
GEO. M. HAY,
Board of Trustees of Said District.

BIDS WANTED FOR FRAME BUILDING

NOTICE TO CONTRACTORS

OFFICE CONSTRUCTING QUARTERMASTER, FORT MASON, San Francisco, Calif. Sealed proposals, in triplicate, will be received here until **11 a.m., June 22, 1922,** for constructing a frame Vocational Training Building, at Fort McDowell, Angel Island, Calif. Five Dollars deposit required for return of plans.

BIDS WANTED FOR TEXAS P. O.

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Office, Supervising Architect, Washington, D. C., June 6, 1922—SEALED PROPOSALS will be opened in this office at 3 P. M., July 11, 1922, for the construction, including mechanical equipment of the United States Post Office at Gilmer, Texas. "Proposals will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and who have established a record for expedition on contracts of similar character and magnitude. The fact that any concern obtains a set of plans and specifications from any source whatever and submits a bid shall not constitute a waiver of the foregoing stipulations." Drawings and specifications may be obtained from the custodian of the site at Gilmer, Texas, or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TO CALL BIDS FOR QUAYWALL

NOTICE TO CONTRACTORS

The Bureau of Yards and Docks, Navy Department, Washington, D. C., will open proposals in the near future on Specification No. 4591, for the quaywall and pier at the Naval Operating Base, Pearl Harbor, T. H.

The work will consist of a reinforced concrete quaywall approximately 68 feet wide and 400 feet long, extending from present foundation for drydock crane track to existing wharf; and reinforced concrete quaywall, pier and bulkhead wall comprising a prolongation of existing wharf; the quaywall approximately 68 feet wide and 178 feet long, the pier 80 feet wide and 364 feet long, and the bulkhead wall 45 feet wide and 37 feet long. The work will include precast reinforced concrete and wood piles, reinforced concrete cylinders on wood piles, crane track foundations, reinforced concrete decks of beams, girders, floor slab and retaining wall, fender system, tracks, cleats, bitts, certain dredging and filling and anchorages for existing wharf. Provision is made for the consideration of bids based upon alternative designs.

Plans and specifications No. 4591 may be obtained on application to the Bureau of Yards and Docks, Navy Department, Washington, D. C., Commandant, Navy Yard, Mare Island, California, or to the Commandant, Naval Operating Base, Pearl Harbor, T. H., accompanied by a check or postal money order for $30.00, payable to the Chief of Bureau of Yards and Docks, as security for the safe return of the drawings and specifications.

R. L. MARTIN,
U. S. Navy Public Works Officer.

NOTICE TO CONTRACTORS

(Franklin Union School)

Notice is hereby given that sealed bids will be received by the Board of Trustees of the Franklin Union School District, Sacramento County, California, at the office of the Principal of the Franklin Union School, Franklin, California, **until 8 o'clock P. M., June 30, 1922,** for the erection of a school building to be built in Franklin, California, according to plans and specifications prepared for the same by George C. Sellon & Company, the authorized architects, when they will be opened and read.

Bids will be received for the work complete with alternate propositions.

Plans and specifications can be seen during office hours at the office of the school at Franklin, California, and may be seen at or obtained from the office of the architects, 203 Mitau Bldg., Sacramento, California.

A cash deposit of $25 will be required from all prospective bidders on all copies of plans and specifications loaned out, as a guarantee of the return of the same.

All bids shall be presented on blank forms which may be procured at the office of the architects.

Each bid must be accompanied by a certified check on some responsible California bank for a sum not less than ten (10) per centum of the amount of the bid, made payable to the Clerk of the Board of Trustees, as a guarantee of good faith that the party to whom the contract may be awarded will, within ten days after the award is made, enter into the necessary agreement and furnish the necessary bonds for the faithful performance of said work, and in case the bidder to whom the contract is awarded, fails or refuses to enter into said agreement, or to furnish said bonds, said check will be forfeited to the said school district in the manner provided by law.

Each bid must be enclosed in a sealed envelope and addressed to L. B. Johnston, Clerk of the Board of School Trustees, Franklin, California, and endorsed "Proposal for building school."

The Board of Trustees expressly reserve the right to reject any or all bids.

By order of the Board of Trustees of Franklin Union School District, Franklin, California.

L. B. JOHNSTON, Clerk.

BIDS WANTED FOR FRESNO SCHOOL BUNGALOWS

NOTICE TO CONTRACTORS

At a regular meeting of the Board of Education, held on June 8, 1922, Secretary was authorized to advertise for and accept bids on the following:

Five bungalows to be used as school rooms.

Plans and specifications on file with the Secretary of the Board, 2525 Tuolumne Street.

Prices to be submitted on bungalows singly or in lots of five.

Bidder must specify length of time required to complete the job. These buildings all to be completed before September 8, 1922.

The Board reserves the right to reject any and all bids. A 10% deposit of the amount of the bids must accompany each bid. All bids must be in the hands of the Secretary of the Board by **Thursday, July 13, 1922, at 5 P. M.**

By order of the Board of Education.
L. L. SMITH, Secretary.

(Continued on Page 34)

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SANTA BARBARA, Santa Barbara Co., Cal.—City Mgr. Fred Johnson reports that bids will be called soon for purchase and hauling of cement for work at Gibraltar Dam.

SAN BERNARDINO, Cal.—Until 12 noon, June 30, bids will be rec. by city council for const. conc. arch bridge on Third St., over Warm Creek. Plans and spec. No. 457 on file with city eng. J. H. Osborn, city clerk. Cert. check or bond. 10%.

LOS ANGELES, Cal.—San Francisco Dredge Co. was awarded contr. by harbor comm., June 9, at $70,360 for dredging approx. 670,000 cu. yds. material at the first unit of the U. P. terminal at Los Angeles harbor.

COLUSA, Colusa Co., Cal.—Until July 5, 2 P. M., bids will be received by T. D. Cain, county clerk, for the motorization of the steel drawbridge across the Sacramento river at Colusa. Spec. may be had from the clerk. Asa Proctor, county surveyor.

SEAL BEACH, Orange Co., Cal.—Orange County Highway Supt. J. L. McBride has completed plans and will submit them at once to Federal engineers, for a trestle bridge across San Gabriel River, west of Seal Beach, in conjunction with a bridge, to be built by L. A. Co., which will be 340 ft. long, 24 ft. wide, with a movable 40-ft. span in the center. The Orange County bridge will be bet. 400 and 500 ft. long, of conc. pile constr., and will also have 40-ft. movable span.

SEATTLE, Wash.—J. A. McEachern Co., Inc., Colman Bldg., at $264,197 awarded contract by Board of Public Works to const. piers for 288-ft. double leaf Bascule bridge and two 140-ft. fixed span approaches for the West Spokane Street bridge.

SAN FRANCISCO.—A hearing will be held June 30 in the Custom House by the U. S. Engineer's Office, on the application of the San Francisco Transit Co. to construct a drawbridge over Carquinez Straits near Vallejo.

The bridge will be located at Dillon's Beach on the Vallejo side of the Straits, reaching the Contra Costa County shore at a point midway between Crockett and Port Costa. The tentative plans call for a structure for use by automobiles and other vehicles, but not for railroad purposes.

SANTA ROSA, Sonoma Co., Cal.—Bids will be received until July 11, 1922, at 12 noon by the Clerk of Sonoma County for the construction of the following bridges.

A reinforced concrete and timber bridge across Brook Creek on Santa Rosa to Knight's Canyon Rd. Est. cost, $6015. Approx. quantities 10,000 F. B. M. and 41 cu. yds. class A conc.

Two reinforced concrete bridges to be erected on the Sebastopol-Freestone Road at Station 143+63 and at Station 154+14. Est. cost, $1655 each. Approx. quantities, 100 cu. yds. Class A conc.; 20 sq. yds. Class A pavement, and 92 cu. yds. class A concrete.

STOCKTON, San Joaquin Co., Cal.—City Engineer W. E. Hogan preparing spec. for bridge over Mormon channel at South Center St. An appropriation of $[illegible] has been made for the structure.

EUREKA, Humboldt Co., Cal.—Padgett & Kelly, Eureka, at $21,849, awarded contract by supervisors to construct Miranda Cable steel suspension bridge, span 280 ft. bet. towers; length of fill at either end 25 ft. Other bidders: Western Coast Constr. Co., $26,888; P. H. Gildersleeve, $23,600; Englehart Paving Co., $25,600; Mercer Fraser Co., $22,000; F. L. Smith & Sons, $23,000.

NAPA, Napa Co., Cal.—County Surveyor O. H. Buckman preparing spec. for wooden bridge over St. Helena creek near Mountain Mill House.

NAPA, Napa Co., Cal.—Until July 11, 10 A. M., bids will be received by J. A. Daly, county clerk, to construct bridge in Pope Valley near Barnett Place.

EUREKA, Humboldt Co., Cal.—County Surveyor A. J. Logan, preparing spec. for three steel bridges to be built over tributaries of the Klamath River between Martins Ferry and Orleans, across Acorn, Slate and Bluff Creeks.

IRRIGATION PROJECTS

MERCED, Merced Co., Cal.—Chief Engineer Rex C. Starr of the Merced Irrigation District completing specification for Planada-LaGrand Canal and booster system. Bids will be asked shortly.

LIGHTING SYSTEMS

PASADENA, Cal.—Until 10 a.m., June 21, bids will be rec. by city directors to const. ornamental lighting system, including 51 conc. posts, conduits wires, lamps and appurtenances, in portions of Grand Ave., Del Rosa Dr., Maylin, Ellis, Arbor, Lockkhaven, California Sts. and Palmetto Dr. Also, For constructing ornamental lighting system in El Molino Ave. Work incl. 22 conc. posts, conduits, wires, lamps and appurtenances. 1911 Act. The bids previously advertised erroneously for June 15.

HANFORD, Kings Co., Cal.—Supervisors contemplate construction of steel light tower on courthouse grounds; estimated cost, $3385. Roy May, county surveyor.

ORANGE, Cal.—C. W. Sparks, 457 S. Lake Street, Los Angeles, awarded contract by city trustees at $2185 for ornamental lighting system on N. Pine street. Other bids were: Rice Electric Co., $2559; Pernel Barnett, $3040; Joseph Lieb, $3,207.04.

PASADENA, Cal.—City Directors declare intention to lay underground conduits, with ducts, laterals, manholes, electric light, in portions of Colorado Street, Brainard Alley, Morgan Alley, Marengo Avenue, Euclid Avenue, Los Robles Avenue, Oakland Avenue, Madison Avenue, El Molino Avenue, and other streets and avenues.

QUINCY, Plumas Co., Cal.—June 27 is date set to vote on organization of street lighting district. It is planned to install a system costing $1500.

FAIRFIELD, Solano Co., Cal.—Fairfield Battery and Electrical Works (M. E. Parry), Fairfield, at $6600, awarded contract by Town Trustees to install 33 electroliers in Texas St. between Taylor and Washington, and between Taylor Union Ave. F. E. Newbery Electric Co., 359 Sutter St., San Francisco, bid $8444; and H. C. Reid & Co., 115 Mission St., San Francisco, $5950. Two latter bidders failed to submit certified checks.

MACHINERY

FRESNO, Fresno Co., Cal.—Sugar Pine Lumber Co., First National Bank Bldg., San Francisco, awards contract to Williamette Iron & Steel Works of Portland, Ore., to furnish logging engines and equipment for the $5,000,000 plant which the company is constructing near Fresno. Orders cover 20 electric donkey engines, skidding machines and cars costing approximately $350,000.

YREKA, Siskiyou Co., Cal.—Until June 20, 8 p.m., bids will be rec. by U. F. Brown, city clerk, for fur. and del. 575 ft., 4-stand, galv. pipe (random lengths; thread ends to be protected for shipping); seven 4-in. stand. pipe double strap saddles with ¾-in. openings; seven ¾-in. Muller Corporation cocks; one 4x4x4x4-in. long sweep cross, Crane pattern; two 4-in. stand. 4-bolt flange unions, all f.o.b. Yreka, Cal.

LOS ANGELES, Cal.—Until 3 P. M., June 13, bids will be received by the Public Service Commission for one portable conveyor for loading construction material from ground level into trucks or dump wagons. Specifications P-275-198. Jas. P. Vroman, Secretary.

TUCSON, Ariz.—Albert Steinfeld Co., Tucson, submitted low bid to city council at $3935 for deep well turbine. Other bids were: Corbett Hdw. Co., $4078.78 and alternate, $4150.28; Donstadt Co., $4190.95; Layne & Bowler Co., $4454; Russell Elect. Co., $5602.43.

CALIFORNIA.—Engineering Department of Pacific Gas and Electric Co., completing surveys for high pressure gas transmission line which will supply Mill Valley and Sausalito with gas. The pipe will run from Corte Madera to Sausalito with a branch to Mill Valley, and will cost $192,000.

FRESNO, Fresno Co., Cal.—Seth E. Hargrave has submitted offer to Chas. Dillon, City Commissioner of Fresno, to purchase from city a 40-acre tract and erect incinerator capable of destroying 40 tons of garbage a day and to collect the garbage; the city to pay him $13,000 and 50c a month for each house and lot within the city limits in excess of 26,000, together with an additional sum each month, ranging from $2.50 to $7.50 per month, for garbage

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removal service to hotels, restaurants and cafes. To guarantee the proper performance of the contract, a bond in the sum of $35,000 is posod by Hargrave.

MADERA, Madera Co., Cal.—Until June 26, 5 P. M., bids will be received by Lillian W. Rhodes, city clerk, for furnishing and delivering f. o. b. Madera: stand. black wrought steel pipe: 2000 lin. ft. 4-in., 2,600 lin. ft. 3-in., and 1500 lin. ft. 2-in.; Cast Iron Screw Fittings: 6 4-in. crosses, 2 4-in. tees, 8 3-in. crosses, 2 4-in.x3-in. reducers, 8 3-in. x 2-in. reducers, 10 4-in. plugs, 12 3-in. plugs, 10 2-in. plugs. Alternative proposals will be received for shipments from factory or stock at Pacific Coast points.

ALAMEDA, Alameda Co., Cal.—Until June 20, 8 p. m., bids will be received by W. E. Varcoe, city clerk, for fur. new 60-hp. tractor having special forged steel shoes with smooth tread. Bidders will state allowance to be made for 45-hp. caterpillar Tractor No. 20001 now owned by the city. Spec. may be had from Street Supt., city hall.

LOS ANGELES, Cal.—Until 3 p.m., June 23, bids will be received by the Public Service Comm., 207 S. Bdwy., for 15,000 lbs. No. 2 A. W. G. medium hard drawn bare solid copper wire. Spec. 275-200. Jas. P. Vroman, secty.

LOS ANGELES, Cal.—Until 9 a.m., June 21, bids will be received by City Purchasing Agent Thos. Oughton for motor trucks under Spec. 487.

HANFORD, Kings Co., Cal.—Until June 27, 3 p.m., bids will be rec. by Minnie E. Beckett, clerk Tensmuir Elementary School District, for fur. and del. motor truck with capacity of 25 passengers. Spec. on file in office of County Supt. of Schools at Hanford.

OROVILLE, Butte Co., Cal.—Until July 1, bids will be rec. by Nelson School District, for fur. and del. Ford truck chassis, one-ton, worm drive, high gear, shock absorbers, self-starter, cord tires in rear.

SANTA ROSA, Sonoma Co., Cal.—On June 29 at 11 a.m. the Sonoma County Supervisors will sell a Marion steam shovel No. 21 at public autcion.

SAN DIEGO, Cal.—San Diego Consolidated Gas & Electric Co. will start work shortly on a gas tank at 12th and K Sts. Cost, $350,000. A petition for lifting certain building restrictions is before the council.

PORTERVILLE, Tulare Co., Cal.—Until June 27, 5 P. M., bids will be received by Jay G. Brown, clerk, Porterville Union High School District, for furnishing auto bus body. Plans may be had from Secretary of District, C. O. Premo, Baker Block, Porterville.

HAMILTON CITY, Glenn Co., Cal.—Until June 28, 7 P. M., bids will be received by A. M. Gelston, clerk, Hamilton Union High School District, for furnishing an auto bus with seating capacity of 25 pupils; cost not to exceed $2500. Spec. will be furnished on request.

LOS ANGELES, Cal.—Until 3 p.m., June 20, bids will be received by pub. service comm., 207 S Bdwy., for one transformer truck, under spec. No. P-275-206.

Bids, same date, for generator air duct and fittings; under spec. No. P-275-204.

Bids, same date, for one Taintor gate and operating equipment for same; under spec. No. P-275-204.

Until 3 p.m., June 27, bids will be rec. by comm. for 15 Type L Anderson time switches; under spec. P.275-203.

Until 3 p.m., July 14, bids will be rec. by comm. for motor generator sets and oil switches; under spec. No. P-275 Jas. P. Vroman, secty.

LOS ANGELES, Cal.—Crane Co., 319 E 3rd St, awarded contr. by public service comm. for gate valves as follows: 600 4-in. at $7.35; 600 6-in. at $12.44; and 60 8-in. at $20.70; delivery in 60 days. R. D. Wood & Co. were awarded contr. for 36 10-in. gate vales at $45.65 and 36 12-in. at $57.50. Shipment in 60 days; f.o.b. 2nd and Rose Sts

RAILROADS

SEATTLE, Wash.—J. H. O'Neill, western manager for Great Northern Rlwy., announces company will electrify line, beginning with a 275-mi. stretch from Whitefish to Havre, Montana, and continuing over the Cascades through Wenatchee to Seattle; approx. cost, $20,000,000. Construction headquarters will be maintained in Seattle.

FIRE EQUIPMENT

FAIRFIELD, Solano Co., Cal.—Town Trustees authorize purchase of 300 ft. of 1½-in. fire hose with 2 shutoffs from Eureka Fire Hose Co. of Los Angeles.

HANFORD Kings Co., Cal.—Horiock Clow Co., Hanford, at 88 cents per ft., awarded contract by council to furnish 1000 ft. 2½-in. fire hose.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

SACRAMENTO, Cal.— Bids were opened on June 12 by the California Highway Commission for highway improvements in three counties:

Humboldt County bet. Trinidad and Freshwater Lagoon (I-Hum-1-J), about 16.5 mi in length, to be graded.

Pacific Const. Co., S. F.	$439,211.50
Ralph McLeran & Co., S. F.	448,950.00
P. L. Burr, San Francisco	465,350.50
Rajotte-Winters Inc., Spokane, Wash.	470,932.00
A. J. Fairbanks, Willitts	470,962.60
Bethzel & Engelhart, S. F.	474,179.00
Palmer & McBride, S. F.	498,552.00
Erickson-Petterson-Grier Co., S. F.	500,024.10
Mercer-Fraser Co., Eureka	503,106.50
Johnson Contracting Co., Portland, Oregon	598,362.10

Engineer's estimate, $448,285.60.

Lassen County, bet. Johnstonville and Janesville (II-Las-29-A), about 8 mi. in length, to be graded.

Warren Constr. Co., Oakland	$37,056.00
J. Wilhmhurst, S. F.	45,669.50
Dodge Bros. & S. W. Dudley, Fallon, Nev.	48,118.50
Wemple & Riddels, Susanville	50,782.00
Jesse L Franklin, Stockton	52,311.00

Engineer's estimate, $46,712.00.

The following two sections are contiguous, and bids for them may be submitted separately or jointly:

Merced County, bet. westerly boundary and San Luis Creek (VI-Mer-32-A), about 8.5 mi. in length, 8.5 mi. to be graded and 5.1 mi. to be paved with Portland cement concrete.

Pacific Constr. Co., 16 California St, San Francisco	$125,586.50
Blanco & Taylor, Vallejo	135,384.50
Warren Constr. Co., Oakland	135,532.00
J. A. Costello Jr., S. F.	147,777.00
Fredrickson & Shannon, Fresno	149,116.05
Bates & Rogers, Los Banos	158,576.20
Kaiser Paving Co, Oakland	160,503.75
G. H. and A. W. Gorrell, San Francisco	160,866.80
Bates & Borland, Oakland	162,007.00
John Doyle, San Jose	196,834.00
Dillon, Paterson & Down, Los Angeles	225,565.00

Engineer's stimate, $159,382.00.

Merced County, bet. San Luis Creek and Los Banos (VI-Mer-32-B), about 12.2 mi. in length, to be paved with Portland cement concrete.

Blanco & Taylor, Vallejo	$216,550.50
Bates & Borland, Oakland	239,084.50
Bates & Rogers Constr. Co., Los Banos	245,976.10
Johnson Contracting Co., Portland	246,781.00
Bonnell, Savage & Fenn, Tacoma, Wash.	260,491.00
Dillon, Paterson & Down, Los Angeles	269,984.00
John Doyle, San Jose	282,470.00
General Constr. Co., S. F.	303,013.00
Kaiser Paving Co., Oakland	320,749.50
Isbell Constr. Co., Fresno	332,783.40

Combined Bid

Blanco & Taylor, Vallejo	$346,832.50
Bates & Rogers Constr. Co., Los Banos	386,224.10
Blumenkranz & Vernon, Stockton	413,719.50
Southwest Paving Co., L. A.	404,661.50
Kaiser Paving Co., Oakland	454,055.50
Bornnell, Savage & Fenn, Fresno	455,794.70
General Constr. Co., S. F.	533,858.00

Engineer's estimate, $371,036.00.

YREKA, Siskiyou Co., Cal.—Until July 3, 10 a.m., bids will be rec. by W. J. Nellon, county clerk, to const. steel bridge, 2 spans, one span 80 ft. and one 64 ft.; also for 60-ft. approach and fill at end of bridge H. J. Sarter, county surveyor. **See call for bids under official proposal section in this issue.**

PASADENA, Cal.—Until 10 a.m. June 21, bids will be rec. by City Clerk Bessie Chamberlain to const. walks on Stanton St. bet. Lincoln and Glen Aves; 1911 Act. Also.

For grading and oiling Madison Ave. bet. Penn St. and south line of Lot 30, El Molino Orchard Park Tr.; 1911 Act. These bids previously advertised erroneously for June 15.

VERNON, Cal.—Howard McCurdy, 335 Pacific Electric Bldg., Los Angeles, city eng. of Vernon, has submitted to city trustees o report on a new high pressure water system for the industrial city adjoining Los Angeles, est. to cost $450,000 and a bond issue will be submitted soon. The project will involve about 63,000 ft. of cast iron pipe, 8, 10, 12, 14 and 16-in. diam., approx. 2908 tons of pipe and 57 tons of fittings; 100 gate valves and 205 fire hydrants. A new well will be driven on city property at Vernon and Santa Fe Aves. and a motor driven turbine pump with capacity of 1500 gals. per minute under 125 ft. head will be installed. There will be a 3,000,000-gal. reservoir excav. and embankment, 182x182 ft. at top and 16 ft. deep with 2 to 1 slopes, lined with conc. rein. with wire mesh; wooded roof; excav. about 2700 cu. yds. Three centrifugal pumps, 1250 gals. per min. operated by gas. motors, will pump water from reservoir into mains.

GLENDALE, Cal.—Peter L. Ferry, 614 E. Acacia Ave., Glendale, submitted low bid at $11,434.63 to grade, oil and surface Oak St. and at $24,815.60 for similar work in Maple, Porter, Fischer and E. Windsor Pl. Fleming Constr. Co. of Pomona, submitted low bid at $7139.67 for grading, sidewalks and curb on Dryden and Pitman Sts.

SAN DIEGO, Cal.—Until 10:30 a.m., June 19, bids will be rec. by council to improve portions of Rosecrans, Dumas, Poe, Rogers and Canon Sts., by paving with one-course conc.; const. oiled gutters, conc. curbs, corru. iron pipe and conc. culverts. 1911 Act. F. A. Rhodes, city eng.

SAN DIEGO, Cal.—Council declares inten. to improve Elm St. bet. 30th and Bancroft Sts., and a portion of 31st St., by grading; const. conc. curbs, walks, conc. gutters, wooden trestle bridge 160 ft. long, 26 ft. wide; 30-in. conc. and 12-in. corru. iron culverts, catch basins; conc. gutters. 1911 Act.

SAN LUIS OBISPO, Cal.—Until July 6, 10 a.m., bids will be rec. by supervisors to const. Sec. C or Santa Margarita-Pozo road, involv. 14,800 cu. yds. excav.; 86 cu. yds. Class A concrete (culverts, bridges, etc.); 8000 lbs. rein. steel (culverts, bridges, etc.) Spec. may be had from Warren Burch, county surveyor, Lowe Bldg., S. L. O. on deposit of $3.

BAKERSFIELD, Kern Co., Cal.—Until June 26, 10 a.m., bids will be rec. by F. E. Smith, county clerk, to const county road no. 545. Separate bids, same date, to imp. portion of county road No 162. Cert. check 10% payable to county req. Spec. on file in office of clerk.

SANTA BARBARA, Santa Barbara Co. Cal.—City Council has ordered 5-in. conc. paving on Montecito St. bet. State and Chapala Sts., and on Valerio St. bet. State and Castillo Sts. Bids on the latter work will include asph. surface alternate.

ESCONDIDO, Cal.—Ground has been broken for the Santa Fe Ry. colonization tract, bet. Del Mar and Escondido, comprising 8800 acres. Preliminary work will include 40 mi. roadway, 40 mi. water mains and a civic center. Construction will be in charge of W. E. Hodges, one of the vice-presidents. Archt. W. H. Wheeler, San Diego, has been commissioned to prepare plans for an inn to be erected in proposed civic center. L. C. Sinnard, landscape engineer of San Francisco, will direct general scheme of development, and K. Z. Volk of Los Angeles has charge of road and water main work.

SAN LUIS OBISPO, Cal.—Until July 7, 10 a.m., bids will be rec. by supervisors to const. 18,030 sq. ft. cem. walks and 3298 lin. ft. conc. curb in Town of Pismo, Rd. Dist. Imp. 7. Est. cost, $4551.25.

Separate bids, same date, imp. in Town of Oceano, Rd. Dist. Imp. 6, involv. 86,544 sq. ft. disintegrated rock or gravel base; 4636 lin. ft. conc. curb and 86,541 sq. ft. grading. Est. cost, $7395.36. Warren Burch, Lowe Bldg., county eng.

MONROE, Wash.—Northwest Construction Co., American Bank Building, Seattle, at $66,714 awarded contract to construct water system, bidding $31,651 for main line, $10,450 for reservoir and $24,613 for distributing system. Miller Engineering Co., Burke Building, Seattle, engineers.

SACRAMENTO, Cal.—Until July 3, 2 P. M., bids will be received by Harry W. Hall, county Clerk, to construct concrete highway beginning at Greenback Lane, running north to Auburn road, approximately 5,963 ft. Estimated cost $25,045.

PITTSBURG, Contra Costa Co.—Fates and Borland, Bank of Savings Building, Oakland, at $28,556 awarded contract by trustees to pave Railroad street, between 5th and 2nd and East Third street, between Black Diamond and city limits.

PASADENA, Cal.—City directors will start proceedings for paving East Colorado street, between Marengo and Mentor avenues. Work will consist of 7-in. concrete with 2-in. surface. The city will require all property owners to install laterals before pavement is laid.

SAN ANSELMO, Marin Co., Cal.—Harron & Hayes, Pacific Bldg., San Francisco, at $137,608 awarded contract by Sanitary District No. 1 of Marin County to const. main outfall sewer. C. C. Kennedy, Call Bldg., San Francisco, engineer.

PHOENIX, Ariz.—S. E. Rogers, Snowflake, was awarded contr. by State Highway Dept. at $26,178.78 for const. Sec. 4 of the Holbrook-Winslow highway.

LOS ANGELES, Cal.—Otto Hansen, San Pedro, was awarded contr. by Harbor Commission, June 9, at approx. $42,480 or 56c cu. yd for grading and excavating 118,000 cu yds at terminus of outer harbor blvd

WALLA WALLA, Wash.—Pacific Coast Paving Co., Walla Walla, at $147-396 submits only complete bid to extend water system's intake from present site to approximately 4 mi. up Mill Creek. The bid includes trenching, backfilling, building of telephone line and approximately 2½-miles of road as well as laying and hauling pipe. It is probable all the bids will be rejected as too high.

SAN DIEGO, Cal.—Council declares intention to construct 6-in. concrete sewer in alleys in blocks 1, 2, 3, 14, 15 and 16, Center Add. to La Jolla Park, and in portions of High Avenue; 1911 Act.

City engineer dept. is preparing plans for enlarging sewage disposal plant by the installation of a second screening unit. A bond issue was voted a few weeks ago. F. A. Rhodes, city engineer.

LONG BEACH, Cal.—Council declares intention to construct sement pipe sewers in 5th, 6th, 7th, 8th, 9th, 10th, Theresa, Vermont, Elliot and other streets, Broadway, Coronado, Redondo, Euclid, Mira Mar and other avenues. 1911 Act.

PASADENA, Cal.—City directors declare intention to lay 8-in. C. I. class B water main in Washington street, between Garfield and Raymond avenues.

SAN DIEGO, Cal.—Council declares inten. to const. conc. curbs and walks, and paving with cem. and asph. conc. surface on 22nd St. bet. Imperial Ave. and N St.; 1911 Act.

MORGAN HILL, Santa Clara Co., Cal. Engineer J. G. McMillan, Auzerais Building, San Jose, commissioned by town trustees to prepare estimates of cost to construct sewer system.

HERMOSA BEACH, Cal.—City trustees declare intention to improve Sunset Drive, between Pier Avenue and 11th Street by paving with 5-in. concrete and oil protective coat, constructing 2x12-in. redwood headers; Vrooman Act.

NATIONAL CITY, Cal.—Fairchild-Gilmore-Wilton Co., Los Angeles Realty Bldg., Los Angeles, awarded contr. by city trustees at $27,589.92 for paving with concrete certain streets. C. B. Ireland, city eng. Other bids: David H. Ryan, San Diego, $28,482.42; John Engebretsen, San Diego, $29,-714.81. George W. Cushing, San Diego, $31,939.82; H. H. Petersen, San Diego, $34,818.60.

SACRAMENTO, Cal.—Bids will be received until June 22, 1922, at 9. P. M., by H. G. Denton, Clerk of the City of Sacramento, for the following street improvement:

Improving 25th St. from Y to Castro Way, by constructing concrete curbs and gutters, concrete manholes, grading the roadway and constructing thereon an asphaltic concrete pavement five and one-half (5½) inches in thickness.

Improving Mission Way from J St. to Noble Court, by constructing concrete curbs and gutters, cast iron gutter drains, concrete manholes, vitrified ironstone pipe sewer with 6-in. wye branches, etc.

Improving the alley first south of H St. in "Mont Clair," and 43rd St. from alley S of H St. by excavating a trench and constructing a 6-in. vitrified ironstone pipe sewer, etc., concrete manholes, cast iron curbs, etc.

Improving 10th St. from C to G, and H St. from 6th to 19th Sts., with certain exceptions, by grading, etc.

PHOENIX, Ariz.—White & Miller, Phoenix, were awarded contr. by State Highway Dept. for const. the pavement through Tombstone on the Tombstone-to-Benton highway. The bids were:

White & Miller—(a) 52,800 sq. yds. asph. conc. surfacing at 98c yd; (b) 105,600 sq. yds asph conc surfacing (alternate bid) at 89c yd, total, (a) $51,744, and (b) $93,984

Tanner Bros., St. Joseph, Ariz., were awarded contr at $20,468.57 for const. Sec 2 of Holbrook-Winslow highway in Navajo Co.

Cashion-Caldwell Constr Co., Phoenix, Ariz., was awarded contr. at $22,-966.97 for constructing Sec. 3 of the Holbrook-Winslow highway, in Navajo County

Hunt, Stratton & Larson, Snowflake, Ariz., were awarded contr at $24,-295.09 for constructing Sec 1 of Holbrook-Winslow Highway in Navajo County

GLENDALE, Los Angeles Co. Cal.—Peter L. Ferry, 614 E Acacia St., Glendale, was low bidder at $24,815.60 for improving portions of Maple, Fischer, Porter and East Windsor Place

Peter L. Ferry was also low bidder at $11,434.63 for improving portion of Oak St.

MONTEREY, Monterey Co., Cal.—Sealed bids will be received by T. P. Joy, Clerk of the Board of Supervisors of Monterey County, until 10 o'clock A. M., on July 6, 1922, for constructing a portion of Robinson Canyon road from Engineer's Station 170+00 and extending to Engineer's Station 242+00 of survey of said road, in Road District No. 5, in Monterey County. Specifications on file in the office of the Board.

FRESNO, Fresno Co., Cal.—Bids will be received by R. Y. St. George, Clerk of the City of Fresno, until June 29, 1922, at 3.30 P. M., for constructing a six (6) inch vitrified clay pipe lateral sewer, wyes and manholes in Glenn Ave., Webster Ave., and in Block 2 and 3, Zapps Park No. 2.

SAN DIEGO, Cal.—H. H. Peterson Co., Loma Portal, San Diego, was awarded contract by County Supervisors at $96,084 for paving with conc. 5.92 mi. highway over Poway grade. Roadway will be 18 ft. wide, 8 in. thick at edges and 5 in. thick in center. County furnishes materials.

NAPA, Napa Co., Cal.—R. E. Errington, Napa, at $7658 submits low bid to city council to improve Pine St. bet. Jefferson and Walnut St., involv. 65,672 sq. ft. asph. macadam pavement; 842 cu. yds. excavation; 282 cu. yds. burrow; 2412 lin. ft. curbs; 2 catch basins; 3 manholes. L. J. Alexander, Napa, bid $7946.

OAKDALE, Stanislaus Co., Cal.—Until June 26 bids will be rec. by city trustees for second unit of paving program. Geo. Macomber, city eng.

CALIFORNIA.—As previously reported, bids will be received by State Highway Commission until June 26, 2 p.m., for highway projects as follows:

Colusa County, in town of Williams, 0.3 mi., involves 900 tons asph. conc. surfacing.

Marin County bet. Alto and Belvedere Crossing, 3.5 mi., involv. 15,000 cu. yds. excav. without classification; 4730 cu. yds. gravel surface; 262 cu. yds. Class A Port. cement conc. (culverts and monuments); 88 lin. ft. 12-in., 210 lin. ft. 15-in., 166 lin. ft. 18-in. and 86 lin. ft. 24-in. corru. metal pipe; 82 monuments.

Imperial County, bet. El Centro and Imperial, 2 mi., involv. 36,500 cu. yds. embankment without classification; 3920 cu. yds. Class A Port. cement conc. (pavement).

OAKLAND, Cal.—Until June 22, 12 M., bids will be rec. by Eugene K. Sturgis, city clerk, to const. cement sidewalks in portions of 73rd Ave., Arthur, Lockwood and Weld Sts. W. W. Harmon, city eng.

MERCED, Merced Co., Cal. Valley Paving Co., Visalia, at approx $2000 awarded contract by Merced Union High School District to pave with asph. conc. streets around the high school.

BAKERSFIELD, Kern Co., Cal.—Until June 26, 8 p.m., bids will be rec. by V. Van Riper, city clerk, to improve streets in Street District 77, involv 512,763 sq ft Warrenite pavement, 14,-023 sq ft gutters, 12,000 sq ft curb and 1500 lin ft culvert Est cost, $150,000 W. D. Clarke, city eng

HANFORD, Kings Co., Cal.—City Council petitioned to construct sewer in Williams St between 7th and 9th Sts.

SAN LEANDRO, Alameda Co., Cal.—Until July 3, 8 P. M., bids will be received by J. J. Gill, city clerk, for furnishing and delivering to city, rock and screenings for the year ending June 30, 1923. R. H. Goodwin, city engineer.

SANTA ROSA, Sonoma Co., Cal.—County Supervisors petitioned to appropriate $20,000 to improve road to Annapolis from Healdsburg. R. Press Smith, county surveyor.

BAKERSFIELD, Kern Co., Cal.—Valley Construction Co., Visalia, at $36,720, submits only bid to city council to improve Oak St., in Street District 31, involving 172,800 sq. ft. grading and 129,600 sq. ft. 3-in. oil macadam pavement. Bid rejected. W. D. Clarke, city engineer.

HAYWARD, Alameda Co., Cal.—Trustees, M. B. Templeton, clerk, declare intention to improve portions of Watkins, 1st, D streets, etc., by grading, paving with 4½-in. asphaltic concrete base with 1½-in. asphaltic concrete surface, concrete curbs and gutters, 6-in. vitrified sewers, etc. Imp. Act 1911 and Bond Act 1915. Protests will be heard June 26. Jesse B. Holly, town engineer.

YUBA CITY, Sutter Co., Cal.—Until July 6, 11 A. M., bids will be received by Supervisors to construct gravel road from Tahoe to Ukiah State Highway to Live Oak, 1.2 miles, 9-ft. wide, 4-in. thick, involving approximately 1500 tons rock; estimated cost, $4500. O. W. Lanzendorf, county engineer.

SAN LUIS OBISPO, Cal.—Until July 6, 10 A. M., bids will be received by F. J. Rodrigues, county clerk, to construct Sec. C on the San Jose Valley and Santa Margarita "River" road, between a pt. 4.4 miles east from steel bridge over Salinas river and the town of Fozo. Warren Burch, Lowe Bldg., county engineer.

SAN LEANDRO, Alameda Co., Cal.—Until July 3, 8 P. M., bids will be received by J. J. Gill, city clerk, for furnishing and spreading oil on street surfaces in the city for the year ending June 30, 1923. R. H. Goodwin, city engineer.

NAPA, Napa Co., Cal.—Ernest Moyer Machine Shops, Inc., First St., Napa, at $594 awarded contract by American Canyon School District to lay a (No. 1) 1½-in. galv. iron water pipe line to be laid 16 in. in depth. Other bidders, all of Napa, were: H. Schwarz Co., $699; Coffiel & Arnitz, $904; Walter C. Kinder, $912.

SANTA ROSA, Sonoma Co., Cal.—W. H. Carr of Sebastopol submitted the only bid at $9835 to the Sonoma County Supervisors for grading and graveling 2.39 miles of the Santa Rosa to Guerneville road. The contract was awarded.

BERKELEY, Alameda Co., Cal.—Until June 20, 10 A. M., bids will be received by E. M. Hann, city clerk, for furnishing and delivering approximately 8500 cu. yds. of rock, gravel and screenings for use on city streets; deliveries to be made commencing July 1, 1922. Spec. may be had from clerk. C. L. Huggins, city engineer.

RICHMOND, Contra Costa Co., Cal.—City Council, A. C. Faris, clerk, declares intention to improve Bay View Avenue between San Pablo Avenue and 55th Street by grading paving with one-course conc. 4-in. thick; conc. curb with galv. steel curb bars; conc. gutters and walks; corru. iron or steel and cem. conc.; corru. or conc. catch-basins; vit. sewer; and 56th St. bet. Highland Ave. and Bay View Ave., and 55th St. bet. Bay View Ave. and pt. 100 ft. north by grading, paving with one-course conc. 4 in. thick; cement conc. curbs, gutters and walks; corru. iron or steel and cement conc. culverts. 1911 Act. Protests July 10. H. D. Chapman, city eng.

WATTS, Cal.—A. W. Phillips, 537 N Hoover St., and Martin G. Brkich, 1506 Pleasant Ave., L. A., submitted low bid to city trustees to const. city sewer system. Other bids were: George R. Daley, San Diego, $490,000; Leo Miletich, Los Angeles, $499,000; Fred Hoffman, Long Beach, $545,000. The project will involve 64,746 ft. 6-in., 41,186 ft. 8-in., 17,926 ft 10-in., 19,996 ft. 12-in., 5533 ft. 15-in., 2552 ft. 18-in., and 5660 ft. 20-in. cem. pipe; 369 manholes, 55 flush tanks and 6-in. wye for each lot. Work will be done under 1911 Act and 1915 Bond Act. Koebig & Koebig, consulting engineers, Title Ins. Bldg., Los Angeles.

SACRAMENTO, Cal.—City Commissioners, H. G. Denton, clerk, declare intention to improve following streets:

48th St. between R and U Sts.; constructing concrete curbs, guteers and walks, cast iron gutter drains; 8-in. vitrified sewer; constructing and reconstructing concrete manholes; grading and paving with 5½-in. aspahtic concrete.

8th St. between D and I Sts.; constructing concrete curbs and gutters; cast iron gutter drains; concrete manholes; 8-in. vitrified sewer. Albert Givan, city engineer.

POMONA, Cal.—H. H. Lienau, 426 Brookside Ave., Redlands, submitted low bid to city council at 22,828 for improving Holt Ave., involv. 148,500 sq. ft. oiled macadam at 13⅛c sq. ft.; gutter at 20c ft.; curb, 60c, and culvert, $5 ft

MAYFIELD, Santa Clara Co., Cal.—Town Trustees vote to form assessment district to pave all streets in town. It is planned to have the work under way within the next two months.

GLENDALE, Cal.—Peter L. Ferry, 611 E. Acacia, St., Glendale, awarded contr. at $24,815.60 to grade and oil portions of Maple, Fischer, Porter and East Windsor Pl.; and at $11434.63 for improving portions of Oak St.

Fleming Constr. Co., Pomona, awarded contr. at $7139.67 to grade and oil portions of Dryden and Pitman Sts.

GLENDALE, Cal.—Until 7 p.m., June 22, bids will be rec. by City Clerk Van Wie for street work as follows:

Adams St., involving 5150 sq. ft. sidewalks.

Chestnut St., involving 599 lin. ft. grading; 6067 sq. ft. sidewalk, 1209 lin. ft. curb; 21,788 sq. ft. oiling and surfacing, and laying 628 ft. 4-in. Class B c. i. water pipe; pipe to be furnished by city.

Louise St. from Broadway south, and other streets, involving 112,946 sq. ft. resurfacing and oiling and laying 2038 ft. 6-in. and 2138 ft. 8-in. cast iron pipe; pipe to be furnished by city.

SANTA ROSA, Sonoma Co., Cal.—W. H. Carr of Sebastopol submitted the only bid at $18,857 to the Sonoma County Supervisors for improving the Sebastopol-Freestone Road in Section 13. The bid was rejtced and work will be done by day work.

LOS ANGELES, Cal.—Until 10 a.m., June 26, bids will be rec. by board of public works for sewer work as follows:

El Sereno Ave. bet. Alhambra Ave. and Huntington Dr., involv. 1954.84 lin. ft. 18-in. pipe sewer incl; 992.66 ft. conc. reinf. or cem;655.12 ft. 15-in.; 136.67 ft. 15-in; 2078.19 ft. 12-in; 640 ft. 12-in.; 1119.75 ft. 10-in.; 1019.65 ft. 8-in. & 140 ft. 6-in. deep & wide socket pipe; 18,638.89 ft 8-in. pipe, 25,010 ft 6in. house sewers, 130 stand. manholes and junction chambers, not over 15 ft. deep; 15 stand. manholes and junction chambers, over 15 ft. deep and less than 22 ft : 15 frames and covers, 2 stand. manholes over 22 ft. deep, 32 stand. flush tanks 5 ft. dia., not over 15 ft. deep; 2 stand. flush tanks over 15 ft., 2 stand. flush tanks 1½ ft. dia., not over 15 ft. deep; 14 cover sets, 888.9 vertical ft. stand, chimney pipe. Vrooman Act.

Hancock St. bet. Henry and Biggy Sts., involving 1395 ft. 6-in. and 8-in. sewer pipe. Vrooman Act.

VALLEJO, Solano Co., Cal.—T. D. Kilkenny city engineer of Vallejo, and F. A. Steiger, Solano county surveyor, have submitted preliminary estimates to Hirst-Heights Improvement Club to improve streets in the Heights District between the electric railroad and Sacramento street, just south of the city limits. Work will consist of sewers and pavement, and will cost $30,000.

PHOENIX, Ariz. — Phoenix-Tempe Stone Co. was awarded contr. for paving portions of alley in blk. 3, Linville Add., at 561.33 sq. yds. bitum. base with bitul. surface paving at $2.60 yd; 561.33 sq. yds. grading at 35c sq. yd; 300 sq. yds. valley gutter at $1.55 lin. ft; grading galley intersections, $5 each.

BERKELEY, Alameda Co., Cal.—Until June 23, 10 a.m., bids will be rec. by E. M. Hann, city clerk, to improve west 36 ft. of Euclid Ave., from east extension of north line of Whitney Tract north to the east extension of the north line of Bay View Place, and Bay View Place from Euclid Ave. west to Hopkins Terrace Map No. 3, by grading, const. comb. curb and gutters; 6-in. vit. sewers; cement sidewalks and paving with 6-in. conc. in Euclid Ave. bet. the gutter line and pt 36 ft. west therefrom. 1911 Act.

Separate bids, same date, to const. 6-in. vit. sewer along a line 1 ft. west of east line of Sacramento St., from Francisco St., 250 ft. south therefrom; br. manhole and lamphole. 1911 Act. C. L. Huggins, city eng.

INGLEWOOD, Cal.—Until 8 A. M., June 19, bids will be received by city trustees for improving Market St. between Redondo Ave. and Pimiento St., by grading, paving with 6-in. concrete pavement; constructing reinforced concrete culverts. Vrooman Act. Arthur W. Cory, city engineer.

STOCKTON, San Joaquin Co., Cal.—Cy Moreing, Commercial Savings Bldg., Stockton, at $85,382, awarded contract by council to improve N Center St. bet. Castle and Arcade, and portions of N El Dorado, Adams, N Hunter and San Joaquin Sts., Arcade, Geary, Noble and N Sutter Sts., by grading, constructing combination concrete curbs and gutters, concrete walks; paving with 4-in. gravel base with 2-in. asphaltic macadam surface and for grading, full width, Pine and Cleveland Sts. bet. N Sutter and west boundary of McCloud's Addition. Other bidders: J. E. Johnson, $91,530; Blumenkranz & Vernon, $93,876.

WHITTIER, Cal.—Until 7.30 P. M., June 19, bids will be received by City Clerk Clarence O. Trueblood, for installing 6-in. vitrified sewer pipes in alleys in Tract No. 4938, and in portions of Palm and Gretna Aves. Certified check or bond for 10%. Paul E. Todd, city engineer.

BERKELEY, Alameda Co., Cal.—Until June 20, 10 A. M., bids will be received by E. M. Hann, city clerk, for furnishing and delivering f. o. b. Berkeley, approximately 600 tons of asphalt; deliveries to be made from July 1, 1922. Spec. may be had from clerk. C. L. Huggins, city engineer.

SAN DIEGO, Cal.—Fairchild-Gilmore-Wilton Co., 25 14th St., San Diego, submitted low bid to common council, for paving Kalmia St., 29th to 30th Sts., involving 32,048 sq. ft. asphaltic concrete wearing surface laid on asphaltic concrete base at 16.8c sq. ft.; 30.06 lin. ft. cement concrete curb at 22c ft.; 150.3 sq. ft. cement concrete walk at 65c ft. G. R. Daley bids 18c ft. for paving, 23c ft. curb, and 70c ft. walks. Bids referred to city engineer.

RIVERSIDE, Cal.—Pernel Barnett, 630 E. Washington St., Orange, awarded contr. at $6869.12 for constructing approx. 6305 ft. 6-in. vit. pipe sanitary sewers in Hayes, Roosevelt and other streets (Arlington Village).

OROVILLE, Butte Co., Cal.—Until July 3, 1.30 P. M., bids will be received by C. F. Belding, county clerk, to grade and gravel Riceton road. Harry H. Hume, county surveyor.

PORTLAND, Ore.—Until June 23, 10 A. M., bids will be received by Bureau of Public Roads, U. S. Department of Agriculture, 316 Postoffice Bldg., for the construction of the Neskowin-Devil's Lake National Forest project, located partly within the Siuslaw National Forest, in Lincoln and Tillamook counties; approximately 17 miles.

EUREKA, Humboldt Co., Cal.—Padgett & Kelly, Eureka, at $2700, awarded contract by supervisors to scarify, grade and place Road-alite asphaltic cement on roadway of the Eel River bridge at Fernbridge, Road District 1.

MARYSVILLE, Yuba Co., Cal.—On reconsideration of bids, Marysville city council awards contract to E. H. Martin, Syndicate Bldg., Oakland, at $28,600 to repair approach to Feather river bridge.

LOS ANGELES, Cal.—Until 11 a.m. July 10, bids will be rec. by supervisors of Los Angeles Co. for paving Whittier Blvd. bet. S. Rowan and Pasadena Ave., 4120 lin. ft., in Road Dist. No. 1, with 6-in. conc. base and 2-in. asph. conc. surface. Approximate quantities are: 5925 cu. yds. excav. incl. removal of old culv., 2025 ft. curb 6x10x18 in.; 1322 ft. 6x10x22 in.; 16,026 sq. ft. 8-in. conc. gutter 3 ft. wide; 14,791 sq. ft. 6-in. conc. gutter 9 ft. wide; 14,791 sq. yds. 6-in. conc. base; 14,791 sq. yds. 2-in. asph. conc. surface; 6127 lin. ft. 6x12 in. conc. curtain wall; 876 8-in. conc. pavement; placing culvert at Pasadena Ave; 6 type A and 5 type B culverts, 2 culverts at Downey Rd; 450 ft. curb at culv. outlets; average haul, 2.05 mi. from Hobart on Santa Fe Ry. Cert. check or bond for 10%.

Separate bids, for paving Santa Monica Blvd. bet. Fairfax Ave and 135 ft. west of Olive Dr.; 3860 lin. ft., in road dist. No. 3. Approx. quantities are: 2493 cu. yds. excav.; 1023 cu. yds. remov. old macadam; 3860 lin. ft. shaping roadbed; 1023 cu. yds. replacing old macadam; 9206 sq. yds. distint. gran. base 1-in. thick; 20 ft. curb; 3841 lin. ft. conc. curtain wall; 795 sq. yds. conc. pavement; 15,212 sq. ft. conc. gutter; average haul 1 mi. from Sherman on P. E. Ry. County will furnish 2411 bbls. cem. This is a cash job. Cert. check or bond for 10%.

Separate bids for paving with 6-in. conc. and 2-in. asph. conc. wearing surface, Whittier Blvd. bet. Indiana and S. Rowan Sts., 1490 lin. ft. in road imp. dist. No. 203. Approx. quantities are: 1412 cu. yds. excav.; 5826 sq. yds. shaping roadbed; 1070 ft. 6x10x14 in. curb; 317 ft. 6x10x18 in. curb; 255 ft. curb at culv. outlets; 2980 lin. ft. 6x12 in. conc. curtain wall; 7850 sq. ft. 8-in. conc. gutter 3 ft. wide; 60 sq. ft. 5-in. conc. gutter; 5826 sq. yds. 6-in. conc. base; 5826 sq. yds. 2-in. asph. conc. surface; 65 cu. yds. conc. in culv.; 480 sq ft. walk; materials required, 1988 bbls. cement, 891 tons sand, 1632 tons gravel, 17,233 lbs. rein. steel, 11 conc. manhole covers; 6 cast iron manhole covers; average haul 1.65 mi. from Hobart on Santa Fe Ry; est. contr. price $34,804.

EUREKA, Humboldt Co., Cal.—W. Selvage, Eureka, at $2.94 awarded contract by Supervisors to fur., haul and spread crushed rock on Bald Hills Rd. Involves approx 2000 yds. A. J. Logan, county surveyor.

VISALIA, Tulare Co., Cal.—Valley Paving and Construction Co., Visalia, awarded contract by city trustees to imp. portions of West Acequia and Conyer Sts., involv. 142,068 sq. ft. 4-in. asph. conc. base with 1½-in. Warrenite surface, $0.238 sq. ft.; 3853 cu. yds. grading, $1.50; 5197.6 lin. ft. conc. curb, $0.75; 5942 lin. ft. conc. gutters, $0.50; 571 lin. ft. culvert, $3.20; 14 culvert manholes, $25; 430 lin. ft. header boards, $0.10; 10 catch basins, $0.75; 300 sq. ft. alley approaches, $0.25; 10 sidewalk approaches, $0.25. L. H. Gadsby, city eng.

SONORA, Tuolumne Co., Cal.—Until July 6, 10 a. m., blds will be rec. by supervisors to construct concrete pavement on road from Wonderly Place to bridge over Sonora creek in town of Sonora Robert Thom, county surveyor

BURBANK, Cal.—City trustees start proceeding to pave Olive street, betw. the railroad tracks and Main street. The matter of cement paving on Cypress avenue, between San Fernando boulevard and 11th street was referred to city engineer for report.

INGLEWOOD, Cal.—City Trustees declare intention to improve following Sts.:

Lime St. between Fir and Damask Aves., by grading, constructing 5-ft. walks; 1911 Act.

Centinela Ave. between Damask Ave and W city limits by grading; paving with 6-in. concrete; constructing 42-in. corrugated metal pipe culvert and wooden guard fence, 1911 Act.

Stepney St. between Edgewood St. and Centinela Ave., by grading, constructing cement curbs; 1911 Act.

OAKLAND, Cal.—City Council, Eugene K. Sturgis, clerk, declares inten. (No. 24087) to imp. portions of East 8th and East 9th Sts., 28th and Can Aves., by grading, const. conc. gutters and paving with oil macadam, corru. iron and conc. culvert. 1911 Act. Protests June 29. W. W. Harmon, city eng.

MONTEREY PARK, Cal.—Bids will be received about June 26 by city trustees for the following materials for water system to be built under $225,000 bond issue recently voted: 257 tons 4-in. and 797 tons 6-in. and larger, Class B cast iron pipe; 52,000 lbs. fittings; 35 4-in., 16 6-in., 8 8-in., 8 10-in., and 3 12-in. gate valves; 130 fire hydrants. Bids will be called for later for laying pipe and const. 1,000,000-gal rein. conc. reservoir. Olmsted & Gillelen, engs., Hollingsworth Bldg., Los Angeles.

MODESTO, Stanislaus Co., Cal.—Until June 28, 8 P. M., bids will be received by L. A. Love, city clerk, to improve I St. between 17th and Downey Ave., and 18th St. between I and Downey Ave., involving 20,176.40 sq. ft. grading; 19,933.35 sq. ft. 2½-in. asphaltic concrete base with 1½-in. Warrenite-Bitulithic surface pavement; 243.05 sq. ft. gutter; 160.85 lin. ft. curb; 67.00 lin. ft. header; estimated cost, $4,700.74.

Jones St. between Johnson and Kimble, involving 21,679.72 sq. ft. grading; 19,153.24 sq. ft. 2½-in. asphaltic concrete base with 1½-in. Warrenite-Bitulithic surface pavement; 1,926.48 sq. ft. gutter; 1,213.75 lin. ft. curb; 160 lin. ft. headers; estimated cost, $5,821.25.

Kimble St. between Downey and Lucern Ave., involving 97,984.33 sq. ft. grading; 90,273.62 sq. ft 2½-in. asphaltil concrete base with 1½-in. Warrenite-Bitulithic surface pavement; 7,687.47 sq. ft. gutter; 5,037.93 lin. ft. curb; 412 lin. ft. header; 18 Marbelite standards; 18 No. 104 G. E. globes; 18 No. 1104 G. E. canopies; 18 G. E. bands and acorns for same; 19 pull-in boxes; 2,645.21 lin. ft. 1-in. conduit; 362 lin. ft. ¾-in. conduit; 9,046.63 lin. ft. No. 10 R. C. wire. Estimated cost, $28,829.54. Geo. Freitas, city engineer.

MODESTO, Stanislaus Co., Cal.—Standard Paving Co., 9th and N Sts., Modesto, only bidder, awarded contract by council to improve 5th St. between F and H, involving 48,282.18 sq. ft. grading, 5c; 45,620.91 sq. ft. 2½-in. asphaltic concrete base with 1½-in. Warrenite surface paving, 17c; 2661.28 sq. ft. gutter, 20c; 1767.13 lin. ft. curb, 70c; 221 lin. ft. header, 10c.

Standard Paving Co. awarded contract to improve Sycamore Ave. between Needham and Stoddard Ave., involving 58,134.30 sq. ft. grading, 5c; 54,461.78 sq. ft. 2½-in. asphaltic concrete base with 1½-in. Warrenite surface paving, 17c; 3,672.52 sq. ft. concrete gutter, 20c; 2,302.90 lin. ft. concrete curb, 70c; 144 lin. ft. headers, 10c; none No. 700 Marbelite Standards, $67 each; 10 pull-in boxes, $4.60 each; 1,242.20 lin. ft. 1-in. conduit, 17c; 220.50 lin. ft. ¾-in. conduit, 15c; 4347 lin. ft. No. 10 R. C. wire, .045c; No. 104 globes, $10 each; No. 1104 Gen. Elec. Canopies, $4.72 each; Gen Elec bands for same, $5.11 each; Gen. Elec. acorns for same, $3.53 each.

LODI, San Joaquin Co., Cal.—City Council, L. F. Blakely, clerk, declares intention to improve following streets:

Eden St. between Stockton and Central Aves., and from Central east to city limits, including intersections.

Flora St. between Seaton and Central Aves., and from Central to east city limits, including intersections.

Stockton Ave. between Lodi Ave and south city limits, including intersections.

All by grading, constructing combination concrete curbs and gutters, paving with 2½-in. asphaltic concrete base with 1½-in. Warrenite surface, 1911 Act and Bond Act 1915. L. F. Barzellotti, city engineer.

LODI, San Joaquin Co., Cal.—Until July 3, 8 P. M., bids will be received by J. F. Blakely, city clerk, to improve Sacramento St. between Lodi and Spruce Ave. including intersections, by grading and paving with 2½-in. asphaltic concrete base with 1½-in. Warrenite surface. Bond Act 1915. L. F. Barzellotti, city engineer.

NAPA, Napa Co., Cal.—Until June 26, 7.30 P. M., bids will be received by H. H. Thompson, city clerk, to improve Cross St. between Pine and Oak, by grading, constructing concrete curbs and paving with 2-course asphaltic macadam, 40-ft. wide, 1 concrete catchbasin. H. A. Harrold, city engineer.

OAKDALE, Stanislaus Co., Cal.—Until June 26, 8 P. M., bids will be received by R. L. Acker, city clerk, to improve portions of East and West Railroad, and 3rd Ave., and portion of G St., with Warrenite pavement; est. cost, $50,000. Geo. Macomber, city engineer.

SACRAMENTO, Cal.—Definite steps have been taken to secure construction of a 12-mile gap in the highway along the Feather and Sacramento rivers connecting Sacramento via the Natomas Boulevard with Yuba City, and the East Side Highway, when a committee was appointed to confer with the county supervisors regarding the project which, it is proposed, to construct under the Highway District Act, passed by the Legislature four years ago, and amended in 1921, permitting two or more counties barding together to construct roads which lie partly within the boundaries of each county.

LOS ANGELES, Cal.—Until 10 A. M., July 3, bids will be received by Board of Public Works, to improve Maryland St. between Westlake Ave. and Alvarado St., and certain alley, involving 9875 sq. ft. asphaltic paving, 11,297 sq. ft. concrete paving, 779 ft. curb, 46 sq. ft. walk, 844 sq. ft. gutter; 1911 Act.

CALIFORNIA—State Highway Commission awards contracts as follows:

To Pacific Construction Co., Oakland, $125,586.50—**Merced County:** between west boundary and San Luis Creek, 8.5 miles; 8.5 miles of grading and 5.1 miles to be paved with Port. cem. conc., involving 70,800 cu. yds. excav. without classification; 7750 cu. yds. Class A Port. cem. conc. (pavement); 160 cu. yds. Class A Port. cem. conc. (culverts and monuments); 1612 lin. ft. 12-in., 540 lin. ft. 18-in. and 52 lin. ft 30-in. corrugated metal pipe; 2115 lin. ft. guard rail; 218 monuments.

To Blanco & Taylor, Vallejo, $216,550.50.—**Merced County:** between San Luis Creek and Los Banos, 12.2 miles to be paved with Port. cem. conc., involving 61,200 cu. yds. excav. without classification; 18,500 cu. yds. Class A Port. cem. conc. (pavement); 391 cu. yds. Class A Port. cem. conc. (culverts and monuments); 804 lin. ft. 12-in., 400 lin. ft. 18-in., 406 lin. ft 24-in. and 390 lin. ft. 30-in. corrugated metal pipe; 414 lin. ft. guard rail; 0.5 miles moving and resetting property fence; 68 monuments

CARSON CITY, Nevada.—J. N. Tedford, Fallon, Nevada, at $29,976.50 awarded contr. by State Highway Comm. to const. highway in Churchill County from 1½ mi. west of Frenchmans to 3½ mi. east of Frenchmans. Other bidders: Dodge Bros. & Dudley, Fallon, $36,754.50; J. H Causten, Lovelock, Nevada, $53,117.20.

OROVILLE, Butte Co., Cal.—Until July 5, 1:30 p.m., blds will be rec. by C. F. Belding, county clerk, to excavate, place in storage pile, haul and spread on roadway 14,000 cu. yds. bank gravel. Harry H Hume, county surveyor.

MANTECA, San Joaquin Co., Cal.—City Trustees will call election to vote bonds to purchase privately owned water works system. Purchase price will be inneighborhood of $40,000.

FRESNO, Fresno Co., Cal.—City Engineer Wm. Stranahan completes spec. to improve Peralta Way between Lucerne Lane and Van Ness Blvd. Involving 70,646 sq ft grading; 61,060 sq ft. 3½-in. asphaltic base with 1½-in. Warrenite top; 6145 sq. ft. gutter; 1760 lin. ft. curb, 2307 sq. ft walks; 117 ft. 12-in. culverts; 2 manholes. Bids will be asked about July 6.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

$1,000 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
2420	Code	Mitchell	6000
2421	Meacham	Callaghan	5000
2422	Anderson	Owner	24000
2423	Hurley	Owner	9000
2424	Jackson	Owner	4500
2525	Glesener	Moller	12000
2426	Nathan	Diestel	1000
2427	Maffucci	Madden	4700
2428	Riccardi	Madden	4700
2429	Lindeman	Owner	4000
2430	McCarthy	Arnott	2800
2431	Bercut	Hardy	26500
2432	Mazzera	Houweling	5158
2433	Ellis	Harder	9197
2434	Odenthal	Smith	6200
2435	Calmon	Nelson	9250
2436	Paulson	Harder	9197
2437	Rosenblatt	Prout	10880
2438	Terschuren	Bernhardt	2500
2439	Thompson	Crothers	10000
2440	Federal Bank	Lawson	53209
2441	Friedman	Johnson	22106
2442	Becktell	Nelson	5547
2443	Glesener	Moller	11275
2444	Alves	Nelson	7250
2445	Treanor	Little	10000
2446	Olsen	Olsen	20000
2447	Varni	Cuneo	3600
2448	Morris	Owner	8000
2449	Rupel	Anderson	4000
2450	Ruppel	Anderson	4000
2451	Schmiedell	Vogt	7500
2452	Sheehan	Mitchell	4250
2453	Poggetti	Rossi	3000
2454	Schroff	Nielsen	1700
2455	Mechan	Owner	2000
2456	Bercut	Hardy	8800
2457	Davis	Mulcahy	12000
2458	Wright	Meyer	4300
2459	Crawley	Meyer	4300
2460	Thompson	Meyer	4300
2461	Gingg	Meyer	4450
2462	Nelson	Owner	4750
2463	Mahler	Kneif	5000
2464	Gawthorne	Owner	6000
2465	Brash	Raskin	2300
2466	Bromberger	Owner	3000
2467	Brash	Raskin	1400
2468	Dahls	Owner	5800
2469	Fleischmann	Owner	1100
2470	Fitzhugh	Walker	850000
2471	Hunt	Blenfield	6800
2472	Reith	Mohler	3900
2473	Butt	Boswall	7000
2474	Flynn	Owner	3000
2475	Kneckel	Mohler	3000
2476	Guiney	Boswall	7200
2477	Harris	Otten	10000
2478	Dial	Mangels	8000
2479	Holmer	Reedy	6900
2480	Thompson	Meyer	3000
2481	Thompson	Meyer	3000
2482	Marchbank	Anderson	2600
2483	Fechner	Zinkand	11660
2484	Klute	Meyer	17750
2485	Well	Britt	5000
2486	Day	Owner	3900
2487	Nicolaisen	Holtke	9000
2488	Casella	Persons	3000
2489	Piper	Owner	5200
2490	Hausen	Owner	3850
2491	Oser	Hayes	100000
2491	Hutchison	Owner	1000
2493	Meyer	Owner	4000
2494	Pacific	Ross	1500
2495	Gray	Owner	8000
2496	Samuel	Jensen	37096
2497	Kirsch	Little	10500
2498	Storti	Mission	8500

ALTERATIONS

(2420) NO. 451 BUENA VISTA AVE. Raise and underpin and alter residence.
Owner—J. F. Code, Premises.
Plans by Owner.
Contractor — J. L. Mitchell, 1794 Page St., San Francisco. $6000

ALTERATIONS

(2421) NO. 1426 HAIGHT. Alter flat for stores.
Owner—Fred E. Meacham, Premises.
Architect — C. S. McNally, 661 Golden Gate Ave., San Francisco.
Contractor—Jack Callaghan, 900 Clayton St., San Francisco. $5000

DWELLINGS

(2422) E MADRID 100, 125, 150, 175, 200, 225, 250, 275, 300, 325, 350 and 375 N Excelsior. Twelve one-story and basement frame dwellings.
Owner—K. Anderson and T. Johnson, 133 Bertita Ave., San Francisco.
Architect—None.
Day's work. $2000 each

DWELLING

(2423) N PACHECO 300 W Castenada. Two-story and basement frame dwelling.
Owner—Patrick Hurley, 504 Valencia St., San Francisco.
Architect—None.
Day's work. $9000

RESIDENCE

(2424) E TENTH AVE 65 N Clement. Three-story frame residence.
Owner—G. B. Jackson, 850 Clement St., San Francisco.
Architect — Powers & Ahnden, 460 Montgomery St., San Francisco.
Day's work. $4500

FRAME FLATS

(2425) E SEVENTEENTH AVE 275 S Anza. Two-story and basement frame (2) flats.
Owner—A. J. Glesener, 340 Howard St., San Francisco.
Architect—Dodge A. Reidy, 850 Pacific Bldg., San Francisco.
Contractor—Fred Moller, 180 Jessie St., San Francisco. $12,000

STOREROOM

(2426) NO. 1346-48 LEAVENWORTH. Construct storeroom.
Owner—F. Nathan, 1300 Leavenworth St., San Francisco.
Architect—None.
Contractor—John Diestel, 248 Russ Bldg., San Francisco. $1000

DWELLING

(2427) N PALOU 237½ E Lane. One and one-half-story and basement frame dwelling.
Owner—Giovanni and Josephene Maffucci.
Architect—None.
Contractor—Madden-Hammersmith Development Co., 530 Pacific Bldg., San Francisco. $4700

DWELLING

(2428) N PALOU 275 E Lane. One and one-half-story and basement frame dwelling.
Owner—Guglielmo and Amelia Riccardi.
Architect—None.
Contractor—Madden-Hammersmith Development Co., 530 Pacific Bldg., San Francisco. $4700

DWELLING

(2429) W TWENTY-FOURTH AVE 159-8 S Anza. One-story and basement frame dwelling.
Owner—H. O. Lindeman, 619 27th Ave., San Francisco.
Designer—W. R. Lindeman.
Contractor—W. R. Lindeman 530 Balboa St., San Francisco. $4000

BUNGALOW

(2430) N GRAFTON AVE 100 W Capitol Ave W 25xN 100 Lot 5 Blk 19, Lakeview. All work for one-story bungalow.
Owner — The McCarthy Co., 316 Bush St., San Francisco.
Plans by Contractor.
Contractor—James Arnott & Son, 235 Granville Way, San Francisco.
Filed June 9, '22. Dated May 29, '22.
30 days after frame up..... 25%
30 days after brown coated.... 25%
30 days after completed and accepted 25%
35 days thereafter..... 25%
TOTAL COST, $2800
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(2431) NE TWENTIETH AVE AND Cabrillo 100 on 20th Ave. by 68-8 on Cabrillo. All work except plumbing, electric work, painting electric fixtures, heating systems and window shades for two-story frame flat building.
Owner—Blanche Bercut.
Architect—Erle J. Osborne, Balboa Bldg., San Francisco.
Contractor—A. M. Hardy, 6217 California St., San Francisco.
Filed June 9, '22. Dated June 7, '22.
Roof completed $6625
Brown coated 6625
Completed and accepted..... 6625
Usual 35 days..... 6625
TOTAL COST, $26,500
Bond, $13,250. Surety, Fidelity & Deposit Co of Maryland. Limit, 120 days after July 1. Forfeit, none. Plans and specifications filed.

RESIDENCE

(2432) SE PERSIA AND NAPLES E 50xS 75. All work except finish hardware, lighting fixtures, wall paper and concrete floor for one-story and basement frame residence.
Owner—Mario M. Mazzera, 4265 Mission St., San Francisco.
Architect—Frederick G. Munk Jr., 58 Francisco St., San Francisco.
Contractor — T. J. Houweling, 830 Prague St., San Francisco.
Filed June 9, '22. Dated May 23, '22.
Frame up & roof sheathing on.$1296
Brown coated 1296
Completed 1296
Usual 35 days..... 1297
TOTAL COST, $5185
Bond, $2592. Surety, Frank Artigalas. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BUILDING

(2433) N CHESTNUT 87-6 E Franklin. All work for two-story and basement building.
Owner—Harry B. and Angelina C Ellis, 3723 Sacramento St., San Francisco.
Architect—John Harder, 870 39th Ave. San Francisco.
Contractor—John Harder, 870 39th Ave. San Francisco.
Filed June 9, '22. Dated June 5, '22.

Frame up $2250
Brown coated 2250
Completed and accepted..... 2250
Usual 35 days..... ——
TOTAL COST, $9197
Bond, none. Limit, Oct. 5, 1922. Forfeit, none. Plans and specifications filed.

FRAME BUILDING
(2434) NE EDINBURGH 200 SW Brazil Ave SW 50xNW 100 Ptn Blk 37, Excl. Hd. Assn. All work for two-story frame building.
Owner—Henry Odenthal, 436 Edinburgh St., San Francisco.
Plans by Contractor.
Contractor—Martin Smith, 114 Girard St., San Francisco.
Filed June 9, '22. Dated June —, '22.
Frame up $1550
Plastering done 1550
Completed 1550
Usual 35 days..... 1550
TOTAL COST, $6200
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS
(2435) E PRESIDIO AVE 87-6 S Pine 25x123-5. All work for two-story and basement frame flat building.
Owner—E. and Madeleine Calmon, 630 Presidio Ave., San Francisco.
Architect — Wm. F. Gunnison, 1666 Golden Gate Ave., San Francisco.
Contractor—E. K. Nelson Building Co., 77 O'Farrell St., San Francisco.
Filed June 9, '22. Dated June 1, '22.
2nd floor joists set.....$1850
Ready for plaster..... 1850
Plastering done and mill work on job 1850
Completed and accepted..... 1850
Usual 35 days..... 1850
TOTAL COST, $9250
Bond, $4625. Sureties, E. A. Anderson and W. H. Smith. Limit, 100 days. Forfeit, none. Plans and specifications, none.

FRAME FLATS
(2436) N CHESTNUT 62-6 E Franklin. All work for two-story and basement frame (2) flats.
Owner—Ernst D. and Maria D. Paulson 2830 Baker St., San Francisco.
Plans by Contractor.
Contractor—John Harder, 870 39th Ave San Francisco.
Filed June 9, '22. Dated June 5, '22.
Frame up $2250
Brown coated 2250
Completed and accepted..... 2250
Usual 35 days..... ——
TOTAL COST, $9197
Bond, none. Limit, Oct. 5, 1922. Forfeit, none. Plans and specifications filed.

RESIDENCE
(2437) LOT 6 BLK 10, St. Francis Wood. All work for one and one-half-story and basement frame residence.
Owner—Girard B. Rosenblatt, 1st Nat'l. Bank Bldg., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St. San Francisco.
Contractor—J. Prout, 2020 Turk St., San Francisco.
Filed June 9, '22. Dated June 5, '22.
Frame up & roof sheathing on..$2720
Brown coated 2720
Completed and accepted..... 2720
Usual 35 days..... 2720
TOTAL COST, $10,880
Bond $5440. Surety, Wm. L. Terry and George Colden. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(2438) SE DOUGLAS & NINETEENTH One-story and basement frame dwelling.
Owner—G. F. Ferschuren, 379 Douglas St., San Francisco.
Architect—Al Hornhardt, 4440 20th St. San Francisco.
Day's work. $2500

FRAME FLATS
(2439) SE TENTH AVE. & KIRKHAM Two-story and basement frame (4) flats.
Owner—M. J. Thompson, 531 Kirkham St., San Francisco.
Architect—None.
Contractor—F. Crothers, 1426 10th Ave. San Francisco. $10,000

PLUMBING
(2440) NW BATTERY AND SACRAMENTO W 275xN 119-6. Plumbing for seven-story Class A bank building.
Owner—Federal Reserve Bank of San Francisco.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—Herman Lawson and Clarence Drucker (as Lawson & Drucker, 450 Hayes St., S. F.
Filed June 10, '22. Dated June 6, '22.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $53,200
Bond, $26,600. Surety, Fidelity & Deposit Co. of Maryland. Limit, 36 months Forfeit, none. Plans and specifications filed.

ALTERATIONS
(2441) NO. 353 SUTTER ST. All work for alterations and additions to building.
Owner—Helen E. Friedman, Milton D. and Lena Eisner.
Architect—Samuel Lightner Hyman, 68 Post St., San Francisco.
Contractor—J. Harold Johnson, 180 Jessie St., San Francisco.
Filed June 10, '22. Dated May 29, '22.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $22,106
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

DWELLING
(2442) S FLOOD AVE 90 E Hazelwood being portion of Lot 20 Blk 3138, Westwood Park. All work for one story and basement frame dwelling
Owner—Willard G. & Pauline Becktell, 175 Jules Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Hans Nelson, 1375 Plymouth Ave., San Francisco.
Filed June 10, 22. Dated Apr. 6, '22.
Frame up and enclosed.....$961.96
Brown coated 961.96
Completed and accepted 961.96
Usual 35 days..... 961.96
Balance of contract price represented by promissary notes and deed of trust executed in favor of contractor
TOTAL COST,$5547.85
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS
(2443) E SEVENTEENTH AVE 275 S Anza. All work except plumbing, finish hardware, electric fixtures, wall paper, and window shades for two-story frame flat building.
Owner—A. J. Gleesener, 340 Howard St., San Francisco.
Architect—Dodge A. Riedy, 850 Pacific Bldg., San Francisco.
Contractor—Fred Moller, 180 Jessie St., San Francisco.
Filed June 10, '22. Dated June 9, '22.
Frame up and roof on $2818.75
Brown coated 2818.75
Completed and accepted 2818.75
Usual 35 days 2818.75
TOTAL COST, $11,275.00
Bond, $5637.50. Sureties, T. K. McComber and R. W. Moller. Limit, 45 days. Forfeit, none. Plans and specifications filed.

DWELLING
(2444) SW FAXON AVE AND WILDWOOD Way being Lot 1 Blk 3173 Westwood Park. All work for one-story and basement frame dwelling.
Owner—Henry L. and Eva Alves, 1041 Leavenworth St., San Francisco.
Architect—Chas. Strothoff, 2274 15th St., San Francisco.
Contractor—Hans Nelson, 1375 Plymouth Ave., San Francisco.
Filed June 10, '22. Dated May 15, '22.
Frame up and enclosed.....$1562.50
Brown coated 1562.50
Completed and accepted..... 1562.50
Usual 35 days..... 1562.50
Balance price being represented by promissary note executed in name of owners to contractor
TOTAL COST, $7250.00
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed

FRAME FLATS
(2445) E TWENTY-SEVENTH AVE 225 N California N 25xE 120. All work for two-story and basement frame flats.
Owner—Jas. and Jennie Treanor, 262 27th Ave., San Francisco.
Plans by Contractor.
Contractor — John Little & Son, 1035 Lincoln Way, San Francisco.
Filed June 10, '22. Dated June 9, '22.
Frame up $2500
Brown coated 2500
Completed and accepted..... 2500
Usual 35 days..... 2500
TOTAL COST, $10,000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BUNGALOWS
(2446) LOTS 17, 18, 19 20 AND 21 BLK J, Mission Terrace. All work for a one-story and basement frame bungalows.
Owner—Amanda A. Olsen, 360 Granada Ave., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Architect—Olaf Olsen, 360 Granada Ave., San Francisco.
Filed June 10, '22. Dated May 4, '22
Frame up and enclosed.....$5000
Brown coated 5000
Completed and accepted..... 5000
Usual 35 days..... 5000
TOTAL COST, $20,000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(2447) W EDINBURG 50 N Persia. One-story and basement frame dwelling
Owner—J. Varni, 331 Paris St., San Francisco.
Architect—J. P. Cuneo, 5097 Mission St., San Francisco.
Contractor—J. P. Cuneo and F. DeMartini, 5097 Mission St., S. F. $3600

DWELLINGS
(2448) W ELEVENTH AVE 150 and 175 N Cabrillo. Two 1-story and basement frame dwellings.
Owner—A. T. Morris, 501 11th Ave., San Francisco.
Architect—None.
Day's work $4000 each

DWELLING
(2449) E FOURTEENTH AVE 150 N Kirkham. One-story and basement frame dwelling
Owner—Adam Ruppel, 1129 11th Ave., San Francisco.
Architect—None.
Contractor—Anderson Bros., 1264 Noe St., San Francisco. $4000

ALTERATIONS
(2450) NO. 630 LEAVENWORTH ST. Excavate, underpin with brick apartments.
Owner—J. W. Marchbank, 630 Leavenworth St., San Francisco
Architect — Nathaniel Blaisdell, 251 California St., San Francisco
Contractor—Anderson & Ringrose, 329 Market St., San Francisco. $2600

ALTERATIONS
(2451) SE POST & LEAVENWORTH. Excavate; brick underpinning, etc for apartments.
Owner—The Schmiedell Estate, 203 California St., San Francisco.
Architect — Nathaniel Blaisdell, 255 California St., San Francisco.
Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco. $7500

DWELLING
(2452) W SAN BRUNO AVE. 75 S 24th. Two-story and basement frame dwelling.
Owner—Wm Sheehan, SW 24th and San Bruno Ave., San Francisco.
Architect—T. F. Mitchell & Son, 1370 Utah St., San Francisco.
Contractor—T. F. Mitchell & Son, 1370 Utah St., San Francisco. $4250

DWELLING
(2453) N SAN JOSE AVE. 250 E Lakeview. One-story and basement frame dwelling.
Owner—A. Poggetti, 2068 San Jose Ave San Francisco.
Architect—None.
Contractor—F. Rossie, 1799 Filbert St., San Francisco. $3000

FLAT
(2454) NO. 2669 TWENTY-SECOND. Finish lower flat of present building.
Owner—Mr. Schroff, 15 Presidio Terrace, San Francisco.
Architect—None.
Contractor—T. & J. Nielsen Bros., 2350 Bryant St., San Francisco. $1700

DWELLINGS
(2455) SE VIENNA 200 SW France. Two 1-story and basement frame dwellings.
Owner—Patrick J. Meehan, 745 Vienna St., San Francisco.
Architect—None.
Day's work. $1000 each

(2456) E TWENTIETH AVE 73½ N N Cabrillo. Two-story and basement frame (2) flats.
Owner—Blanche Bercut, 1610 Anza St., San Francisco.
Architect—Erle J. Osborne, Balbea Bldg., San Francisco.
Contractor—A. M. Hardy, 518 24th Ave. San Francisco. $8800

(2457) W MISSION 185 S 18TH ST. One-story reinforced concrete building.
Owner—Lewis B. and Hannah Davis.
Architect—E. E. Young, 251 Kearny St., San Francisco.
Contractor—Thos. S. Mulcahy, 180 Jessie St., San Francisco. $12,000

COTTAGE
(2458) W TWENTY-SEVENTH AVE 125 N Balboa. All work for a one-story frame cottage.
Owner—R. H. Wright, 2302 Clement St., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.
Filed June 13, 1922. Dated May 22, 1922
Frame up $1075
Brown coated 1075
Completed and accepted 1075
Usual 35 days 1075
TOTAL COST, $4300
Bond, none. Sureties, none. Forfeit, none. Limit, 90 days. Plans and specifications not filed. 1

COTTAGE
(2459) W TWENTY-SEVENTH AVE 150 N. Balboa. All work for a one-story frame cottage.
Owner—W. B. Crawley, 2302 Clement St., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.
Filed June 13, 1922. Dated May 22, 1922
Frame up $1075
Brown coated 1075
Completed and accepted 1075
Usual 35 days 1075
TOTAL COST, $4300
Bond, none. Sureties, none. Forfeit, none. Limit, 90 days. Plans and specifications not filed.

COTTAGE
(2460) E TWENTY-SEVENTH AVE 175 N Balboa. All work for a one-story cottage.
Owner—C. P. Thompson, 410 24th Ave., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.
Filed June 13, 1922. Dated May 22, 1922.
Frame up $1075
Brown coated 1075
Completed and accepted 1075
Usual 35 days 1075
TOTAL COST, $4300
Bond, none. Sureties, none. Forfeit, none. Limit, 90 days. Plans and specifications not filed.

COTTAGE.
(2461) W TWENTY-FIFTH AVE 325 N California. All work for a six-room cottage.
Owner—H. C. Gingg.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.
Filed June 13, 1922. Dated May 22, 1922.
Frame up $1112.50
Brown coated 1112.50
Completed and accepted 1112.50
Usual 35 days 1112.50
TOTAL COST, $4450
Bond, none. Sureties, none. Forfeit, none. Limit, 90 days. Plans and specifications not filed.

FLATS
(2462) E ARGUELLO BLVD. 89-6 N Parnassus. Two-story and basement frame (2) flats.
Owner—Fernando Nelson & Sons, Inc., 2 West Portal Park, San Francisco
Architect—None.
Day's work. $4750

DWELLING
(2463) N CUMBERLAND bet. Dolores and Guerrero. Two-story and basement frame dwelling.
Owner—H. Mahler, 2683 22nd St., San Francisco.
Architect—Geo. E. Ralph, 233 Post St., San Francisco.
Contractor—Henry Kneif, 50 Cumberland St., San Francisco. $5000

FLATS
(2464) N CABRILLO 93 E 20th Ave. Two-story and basement frame (2) flats.
Owner—F. A. Gawthorne, 708 Phelan Bldg., San Francisco.
Architect—None.
Day's work. $6000

REPAIRS
(2465) NO. 349-351 HAYES. Repair fire damage to flats.
Owner—M. Brash, 1955 Geary St., San Francisco.
Architect—None.
Contractor—S. Raskin, 731 Baker St., San Francisco. $2300

DWELLING
(2466) S IRVING 32-6 W 45th Ave. One-story and basement frame dwelling.
Owner—J. H. Bromberger, 184 Julian Ave., San Francisco.
Architect—None.
Day's work. $3000

REPAIRS
(2467) NO. 244 LINDEN AVE. Repair fire damage to flats.
Owner—M. Brash, 1955 Geary St., San Francisco.
Architect—None.
Contractor—S. Raskin, 731 Baker St., San Francisco. $1400

DWELLING
(2468) NO. 826 MOULTRIE. Two-story and basement frame dwelling.
Owner—John Dahls, 826 Moultrie St., San Francisco.
Architect—None.
Day's work. $5800

ALTERATIONS
(2469) NO. 941 MISSION. Erect temporary partitions in office.
Owner—The Fleischmann Co. of California, 941 Mission St., S. F.
Architect—W. G. Merchant, 806 Masonic Ave., San Francisco.
Day's work. $1100

OFFICE BUILDING
(2470) NE POST AND POWELL. Ten-story and basement class A offices.
Owner—William and Mary E. Fitzhugh, 352 Mills Bldg., San Francisco
Architect—Reid Bros., 105 Montgomery St., San Francisco.
Contractor—P. J. Walker Co., Sharon Bldg., San Francisco. $850,000

DWELLING
(2471) E THIRD AVE. 107-⅜ S Cabrillo. One-story and basement frame dwelling.
Owner—Reuben G. Hunt, 362 15th Ave., San Francisco.
Architect—None.
Contractor—D. L. Bienfield, 1405 Clement St., San Francisco. $6800

DWELLING
(2472) E TWENTY-THIRD AVE. 275 N Cabrillo. One-story and basement frame dwelling.
Owner—A. H. Reith, 4121 18th St., San Francisco.
Architect—None.
Contractor—T. E. Mohler, 593 21st Ave San Francisco. $3900

DWELLING
(2473) E TWENTY-FIFTH AVE. 200 S California. One-story and basement frame dwelling.
Owner—Lelie Butt, Geary and 24th Ave., San Francisco.
Architect—None.
Contractor—W. C. Boswall, 2764 McAllister St., San Francisco. $7000

DWELLING
(2474) E TWENTY-SEVENTH AVE., 265 N Balboa. One-story and basement framed welling.
Owner—Maurice J. Flynn, 267 16th Ave San Francisco.
Architect—None.
Day's work. $3000

DWELLING
(2475) W THIRTY-SEVENTH AVE. 275 N Cabrillo. One-story and basement frame dwelling.
Owner—Charles Kneckel, 1928 Clement St., San Francisco.
Architect—None.
Contractor—T. E. Mohler, 593 21st Ave San Francisco. $3000

DWELLING
(2476) E TWENTY-FIFTH AVE. 175 S California. One-story and basement frame dwelling.
Owner—Lulu L. Gulney, 24th Ave. and Geary St., San Francisco.
Architect—None.
Contractor—W. C. Boswall, 2764 McAllister St., San Francisco. $7200

FLATS
(2477) N TARAVAL 32-6 W 21st Ave. Two-story and basement frame (2) flats.
Owner—Jeanette H. Harris, 3366 Sacramento St., San Francisco.
Architect—None.
Contractor—H. P. Otten, 131 10th Ave., San Francisco. $10,000

DWELLING
(2478) NW SAN PABLO and Yerba Buena Aves. Two-story and basement frame building.
Owner—Ediwn F. Dial, Kohl Bldg., San Francisco.
Architect—Clarence A. Tantau, 251 Kearny St., San Francisco.
Contractor—Mangels Bros., 4782 Mission St., San Francisco. $8000

FLATS
(2479) W SAN JOSE AVE 60 S Alvarado.
Two-story and basement frame (2) flats.
Owner—A. J. Holmer, 1577 Treat Ave., San Francisco.
Architect—None.
Contractor—Wm. M. Reedy, 267 Ellsworth St. $6900

DWELLING
(2480) E TWENTY-SIXTH AVE 125 N Cabrillo. One-story and basement frame dwelling.
Owner—C. P. Thompson, 410 24th Ave., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $3000

DWELLING
(2481) W TWENTY-FIFTH AVE 325 N California One-story and basement frame dwelling.
Owner—N. C. Gingg, 2221 Clement St., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5236 Geary St., San Francisco. $3000
NOTE—Recorded contract reported June 14, 1922. No 2461.

UNDERPINNING, ETC.
(2482) E LEAVENWORTH 137-6 S Post S 22-11xE 68-9, being 630 Leavenworth. Underpinning and rebuilding walls and foundations of building
Owner—J. W. Marchbank, 630 Leavenworth St., San Francisco.
Architect — Nathaniel Blaisdell, 255 California St., San Francisco.
Contractor—Anderson & Ringrose, 320 Market St., San Francisco.
Filed June 14, '22. Dated June 5, '22
House underpinned $1200
Completed and accepted..... 750
Usual 35 days 650
TOTAL COST, $2,600
Bond, $1300. Sureties, G. P. W. Jensen and A. Lettich. Limit, 60 days. Forfeit, $10 day. Plans and specifications filed.

FLATS
(2483) E FIFTH AVE. 150 S Cornwall S 65 E 25 N 25 W 120. All work except finish hardware, shades, electric fixtures and wall paper, for a 2-story and basement frame flat building.
Owner—Ernst and Selma Fechner, 370 5th Ave., San Francisco.
Plans by owner.
Contractor—Ed. Zinkand & Son, 434 10th Ave., San Francisco.
Filed June 14, '22 Dated June 12, '22
Roof on $2915
Brown mortar 2915
Completed and accepted..... 2915
Usual 35 days 2915
TOTAL COST, $11,660
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

RESIDENCES
(2484) NW TWENTY-SEVENTH AVE and Balboa. To erect four 1-story frame residences.
Owner—William Elute, 489 Haight St., San Francisco.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.
Filed June 14, '22 Dated June 6, '22
Frame up $4437.50
Brown coated 4437.50
Completed and accepted..... 4437.50
Usual 35 days..... 4437.50
TOTAL COST, $17,750
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS, ETC.
(2485) NO. 3535 CLAY. Add one room to dwelling; other repairs.
Owner—Mrs. R. Weil, 3806 Clay St., San Francisco.
Architect—None.
Contractor—O. W. Britt, 1257 1st Ave., San Francisco. $5000

ADDITION
(2486) NO. 22 FIFTH AVE. Addition of four rooms and bath to dwelling.
Owner—Wm. A. Day, 22 5th Ave., San Francisco.
Architect—None.
Day's work. $3900

FLATS
(2487) N FULTON 102-6 E 14th Ave. Two-story and basement frame (2) flats.
Owner—Julius Nicolaisen, 183-A Parker Ave., San Francisco.
Architect—None.
Contractor—Gust Holtke and J. Nicolaisen, 183-A Parker Ave., San Francisco. $9000

DWELLING
(2488) N FRANCISCO 37-6 E Gough. One-story and basement frame dwelling.
Owner—Alfred Casella, 217 Hartford St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—M. Persons, 217 Hartford St., San Francisco. $3000

DWELLINGS
(2489) E FORESTER 125 and 150 S Sunnyside. Two 1-story and basement frame dwellings.
Owner—Paul Piper, 162 Randall St., San Francisco.
Plans by owner.
Day's work. $2600 each

DWELLING
(2490) NE HUDSON AVE. 150 NW Mendell. One-story and basement frame dwelling.
Owner—Samuel H. Hansen, 1379 Kansas St., San Francisco.
Architect—None.
Day's work. $3850

APARTMENTS
(2491) SW PINE AND POWELL. Six-story brick and steel frame (48) apartments.
Owner—Oser Estate Corporation, Call Bldg., San Francisco.
Architect—A. Appleton and S. L. Hyman, Foxcroft Bldg., San Francisco
Contractor—Hayes-Oser Co., Call Bldg., San Francisco. $100,000

ALTERATIONS
(2492) E SCHWERIN 100 S Leland. Alter 5-room cottage, electric work, concrete foundations, etc.
Owner—Mrs. H. B. Hutchinson, 4627 San Bruno Ave., San Francisco.
Architect—None.
Day's work. $1000

DWELLING
(2493) W TENTH AVE. 100 N Noriega One-story and basement frame dwelling.
Owner—Henry Meyer, 1797 10th Ave., San Francisco.
Architect—None
Day's work. $4000

WAREHOUSE
(2494) S HOOPER 100 E EIGHTH. One-story frame warehouse.
Owner—Pacific Coast Glass Co., 310 California St., San Francisco.
Architect—T. Paterson Ross, 310 California St., San Francisco.
Day's Work. $1500

2 DWELLINGS
(2495) E TWENTY-SECOND AVE 95 and 120 S Cabrillo. Two one-story and basement frame dwellings.
Owner—E. S. Gray.
Architect—None.
Day's Work. $4000 each

RECORDED

CONCRETE BLDG.
(2496) S TURK 137-6 W TAYLOR W 50 x S 137-6. All work except plumbing, shades and electric fixtures for a two-story and basement Class C reinforced concrete building.
Owner—Mortimer A. Samuel, Alexander Bldg.
Architect—August G. Headman, Call Bldg., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
Filed June 15, 1922. Dated June 15, '22.
First floor joists set $14,899
Ready for roofing 7,399
Completed and accepted 7,399
Usual 35 days 7,399
TOTAL COST, $37,096
Bond, $18,548. Sureties, Jno. A. Grennon and Geo. W. Hooper. Forfeit, $20 day. Limit, 120 days. Plans and specifications filed.
NOTE—Permit reported June 1, 1922. No. 2376.

FLAT BUILDING
(2497) E TWENTY-THIRD AVE. 175 S California S 25xE 120. All work for a 2-story and basement frame flat building.
Owner—Wm. and Annie Kirsch, 231 23rd Ave., San Francisco.
Plans by contractor.
Contractor—John Little & Son, 1035 Lincoln Way, San Francisco.
Filed June 15, '22 Dated June 14, '22
Frame up $2625
Brown coated 2625
Completed and accepted..... 2625
Usual 35 days 2625
TOTAL COST, $10,500
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BUILDING
(2498) W OCTAVIA 137-6 N Union N 27-6 W 100 W. A. 199. All work except shades and electric fixtures for a 2-story and basement building.
Owner—Mr. and Mrs. Edward Storti, 2829 Octavia St., San Francisco.
Architect—August G. Headman, Call Bldg., San Francisco.
Contractor—Mission Concrete Co., Call Bldg., San Francisco.
Filed June 15, '22. Dated June 12, '22
Roof completed $2375
Brown coated 2000
Completed and accepted..... 2000
Usual 35 days..... 2125
TOTAL COST, $8,500
Bond, $4250. Surety, E. J. Brown. Limit, 90 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

June 15, 1922—NW TAYLOR and Golden Gate Av 137:6 on Taylor x 192:6. W. S. Dinwiddie for Junior Orpheum to The Turner Co.... .....June 1, 1922

June 15, 1922—N GREEN 177-6 E Steiner E 25 x N 137-6. Marie Hoffman to Nelson & Benson.... .....Feb. 1, 1922

June 15, 1922—NW TAYLOR AND Golden Gate Ave 137-6 on Taylor x 192-6. W. S. Dinwidde for Junior Orpheum to A. Knowles..June 8, 1922

June 15, 1922—W CLAREMONT CT, 50 S Portola Drive S 30 x W 100. Walter Kranskulll to Harry Moran .....June 1, 1922

June 15, 1922—E TWENTIETH AVE 375 N Fulton E 120 x N25. Harvey J. Hemminga to whom it may concern .....June 14, 1922

June 12, 1922—W ELEVENTH AVE 25 N Cabrillo. Alfred T. Morris to whom it may concern...June 10, 1922

June 14, 1922—NW PINE and Montgomery, N 125 x W 138:6. Commercial Union Assurance Co. and The California Insurance Co. to Vermont Marble Co....Jan. 10, 1921

June 14, 1922—E FRANKLIN 62:6 N Francisco N 25 x E 124. Felice Sidari to Salvatore Siino,..June 3, 1922

June 14, 1922—NE SOMERSET 150 NW Silliman NW 50 x NE 120. John H. Matlean to whom it may concern .....June 14, 1922

June 14, 1922—NW TWELFTH AVE and Fulton W 92:6 x N 25. Wm. G. Loewe to Wm. Martin and Stubo & Griffin .....June 10, 1922

June 14, 1922—NE THIRTY-SIXTH Ave and Fulton. Skelly Estate Co. to Meyer Bros. June 2, 1922

June 13, 1922—W SAN BRUNO AVE 75 S Wayland S 50 W 120 N 25 E 25 N 25. J. P. Thrift and Francis Thrift to Jos. T. Fratessa.. .....June 12, 1922

June 13, 1922—W TWENTY-SECOND Ave 225 N Fulton N 25 x W 120. Nicholas Hemminga to whom it may concern .....June 13, 1922

June 12, 1922—N SANTIAGO, 59 E 21st Ave 25x100. E. B. Wilson, agt Octavia A. Dond, to wohm it may concern .....June 12, 1922

June 10, 1922—E DIVISADERO 112-6 N Lombard 25x112. Vincent and Gaetana Ternullo to Spingola & Tomassini.....May 15, 1922

June 12, 1922—W BELVEDERE 32 S Parnassus Ave 25 and 101. Gustav Bergner and Dorothy Bergner to J. W. Mitchell .....June 12, 1922

June 10, 1922—E SAN CARLOS AVE 80 S 19th. John K Milonas to John J Binet..... .....June 9, 1922

June 10, 1922—E BRODERICK 162-6 N Filbert N 25xE 112-6. Agnes C Meyer and F N Meyer to W W Rednall.....June 8, 1922

June 10, 1922—N UNION 20 W Hyde W 20xN 60. Elizabeth Smith to whom it may concern..June 9, 1922

June 10, 1922—W WEBSTER 75 N Sutter N 66.04xW 100. E A Bridgford to whom it may concern..... .....June 4, 1922

June 9, 1922—LOT 18 BLK 3165, Westwood Park. Leo B and Veda B Hart to Nelson Bros..June 7, 1922

June 9, 1922—LOT 18 BLK 3138, Westwood Park. C Eugene and wife Anna E Curry to Nelson Bros. .....June 2, 1922

June 9, 1922—E FILLMORE 30 S Page S 90 E 140 N 15 W 50 N 75 W 90. Aphra West to Samuel Shell .....June 8, 1922

June 9, 1922—W EIGHTEENTH AVE 150 S Lake S 25xW 120. John Little to whom it may concern... .....June 8, 1922

June 9, 1922—W KEARNY 105 N Washington N 29-11xW 107-11. Emil and Regina Hirsch to Fred Moller and R De Luca..June 5, 1922

June 9, 1922—W ELEVENTH AVE 49 N Kirkham N 51xW 57-6. Marie Petersen to whom it may concern .....June 9, 1922

June 8, 1922—LOTS 18 TO 23 BLK 21. Resub Blks 18 to 21 and Ptn Blk 19 Lots lettered P. Q. R and S. St. Francis Wood Extn No. 2. Garden Homes Co to H B Allen (as Allen & Co.).....June 8, 1922

LIENS FILED

SAN FRANCISCO COUUTY

June 13, 1922—E COLE 137:6 W Carl N 25 x E 130:7½. W. H. Gnecco vs. Katherine Brown.....$190.00

June 13, 1922—148 NEWMAN. John Barrett vs. Mrs. Clara Godly, George Godly $70.15

June 9, 1922—NE BOSWORTH 75 NW Diamond NW 25xNE 100. Spring Valley Lumber Yard vs Sam Ganci and E Massina $382.16

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

June 14, 1922—E DOLORES 140 N 14th N 70 x E 140. Cynthia Guntz as to improvements on property.

June 14, 1922—E DOLORES 210 N 14th N 70 x E 140. Augusta Guntz as to improvements on property.

June 10, 1922—SE POWELL AND Ellis. Flood Realty Co as to improvements on property.....

RELEASES OF BUILDERS' CONTRACTS

SAN FRANCISCO COUNTY

June 15, 1922—LOT 7, BLK 3 Crocker Amazon Tract. Samuel and Lena Weiner to W. J. Black. Releasing contract filed May 9, 1922.

June 15, 1922—S TURK 137:6 W Taylor W 50 x S 137:6. Mortimer A. Samuel to G. P. W. Jensen. Releasing contract filed June 5, 1922.

BUILDING CONTRACTS

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
2608	Griffith	Owner	1000
2609	Wilkins	Porter	3500
2610	Caya	Miller	3500
2611	Kappa	Pearson	32000
2612	Peppin	Owner	15900
2613	Peppin	Owner	14000
2614	Truman	Pedgrift	20000
2615	Burritt	Owner	4000
2616	Davidson	Thaxter	6000
2617	Brown	Owner	1500
2618	Pavert	Owner	3800
2619	Larsen	Owner	8000
2620	Central	Schmidt	2500
2621	Sigwald	Owner	4000
2622	Hinch	Owner	3000
2623	Burke	Owner	3000
2624	Bancroft	Constable	4800
2625	Johnston	Randall	5100
2626	Fredreckson	Owner	3000
2627	Hand	Rankin	3250
2628	Bartlett	Owner	3000
2629	Tilden	McCullough	1450
2630	Hlester	McKibben	5850
2631	Hendry	Westlund	8225
2632	Unfred	Owner	3000
2633	Turturici	Stewart	3850
2634	Nottingon	Stewart	1500
2635	Marsh	Morse	4000
2636	Zavatero	Carlson	3000
2637	Gee	McWethy	12000
2638	Lassen	Lassen	3000
2639	Franks	Owner	5000
2640	Tarr	Dolan	3000
2641	Giaccioni	Oakley	4000
2642	Pooley	Martin	2600
2643	Week	Knight	4000
2644	Wittschen	MacGregor	8750
2645	Soules	Owner	2500
2646	Anderson	Owner	3000
2647	Hennesy	Morris	5000
2648	Thombery	Crandmer	3000
2649	Carpenter	Anderson	4000
2650	Masneri	Johnson	4000
2651	Kiley	Ibanes	4500
2652	Healy	Owner	6000
2653	Feldman	Shrader	1783
2654	Marsh	Morse	4120
2655	Shapro	Hardy	3645
2656	Sullivan	Bissell	8518
2657	Campbell	Owner	8000
2658	Cianciarulo	Low	2000
2659	Lewis	Texdahl	3900
2660	Dray	Pfrang	8000
2661	Synder	Lundgren	3400
2662	Wainola	Owner	3000
2663	Bell	Conner	3500
2664	Martinez	Livingston	8000
2665	Stroll	Broadhead	6500
2666	Ericsson	Owner	6000
2667	Leveroni	Noble	2000
2668	Shell	Owner	2150
2669	Magnovox	Lawton	1500
2670	Murphy	Bartlett	3000
2671	Clenkenbeard	Owner	2500
2672	Houck	Owner	5000
2673	Anderson	Owner	8000
2674	Barrier	Bromlage	2165
2675	Olnes	Knight	3950
2676	Walters	Owner	3000
2677	Roystone	Sommarstrom	70000
2678	Fisher	Owner	5000
2679	Hittenberger	Corbett	1391
2680	Brown	Gossett	7215
2681	Schutt	Long	4612
2682	Anderson	Owner	5000
2683	Kelly	Parker	3850
2684	Peppin	Owner	26100
2685	Blumert	Schmidt	4150
2686	Turner	Hawkins	2800
2687	Viner	Jordan	4000
2688	Berkeley	Owner	2500
2689	Noble	Owner	6000
2690	Meads	Owner	1625
2691	Associated	Owner	1200
2692	Schultze	Jensen	8500
2693	Aselstine	MacLean	2000
2694	Hill	Rose	1268
2695	West	Knight	12000
2696	King	Rose	2553
2697	Deck	Lindquist	4000
2698	Shannon	Furlong	1000
2699	Reel	Reel	1500
2700	Schwarts	Johnson	9502
2701	Fornercrete	Owner	1500
2702	Nelson	Owner	4000
2703	Drayage	Culbertson	1400
2704	Goger	Horton	5000
2705	Morse	Burks	4000
2706	Mansa	Owner	2500
2707	Velentine	Pierce	2500
2708	Brown	Cords	3000
2709	Glickman	Cutchett	3700
2710	Pleitner	Wells	3750
2711	Nethken	Owner	2200
2712	Goranson	Owner	5600
2713	Linggi	Owner	1500
2714	Hinch	Owner	3000
2715	Brown	Stenbro	3500
2716	Sanford	Owner	21000
2717	Falkinham	Roth	11500
2718	Christensen	Christensen	20000
2719	Holm	Adams	5550
2720	Clement	Nordstrom	13823

ALTERATIONS

(2698) NO. 2232 CHANNING WAY, Berkeley. Alterations.
Owner—E. R. Griffith, 2409 S-Atherton St., Berkeley.
Architect—None.
Day's work. $1000

DWELLING

(2609) NO. 2711 LE CONTE, Berkeley. Two-story 4-room dwelling.
Owner—Mrs. Marion Wilkins, Hillcrest Apmnts., Berkeley.
Architect—None.
Contractor—H. H. Porter, 2616 Cedar St., Berkeley. $3500

DWELLING

(2610) NO. 2150 RUSSELL ST., Berkeley. One-story 5-room dwelling.
Owner—P. T. Caya, 1400 Adeline St., Berkeley.
Architect—None.
Contractor—F. J. Miller, 611 Elm St., El Cerrito. $3500

FRATERNITY HOUSE

(2611) NO. 2216 PIEDMONT AVE., Berkeley. Three-story 23-room fraternity house.
Owner—Kappa Sigma.
Architect—C. C. Dakin, 2961 Pine Ave., Berkeley.
Contractor—Ben Pearson, 2103 Grant St., Berkeley. $32,000

3 DWELLINGS

(2612) S BARROWS 280, 330 and 380 E Cavanaugh, Oakland. Three two-story 6-rm. dwellings.
Owner—J B. Peppin, 1423 Franklin St., Oakland.
Architect—None.
Day's Work. $5300 each

3 DWELLINGS
(2613) N BARROWS 150, 210 and 270 E Cavanaugh, Oakland. Three one-story 6-rm. dwellings.
Owner—C. H. Truman, 2935 Telegraph Ave., Oakland.
Architect—None.
Day's Work. (1) $4800; (2) $5000 ea.

ALTERATIONS
(2614) SW COR THIRTIETH and Telegraph Ave, Oakland. Alterations and additions.
Owner—C. H. J. Truman, 2935 Telegraph Ave., Oakland.
Architect—None.
Contractor—Jas. H. Pedgrift, 4110 Broadway, Oakland. $20,000

DWELLING
(2615) W BEST 310 N BROOKDALE Ave., Oakland. One-story 6-room dwelling.
Owner—Burnett & Shealey, 2757 Best Ave., Oakland.
Architect—None.
Day's Work. $4000

DWELLING
(2616) N CHABOT ROAD 250 E COLlege Ave., Oakland. Two-story 7-room dwelling.
Owner—L. E. Davidson, 3023 Deakin St., Berkeley.
Architect—None.
Contractor—F. W. Thaxter, 2117 Derby St., Berkeley. $6000

DWELLING
(2617) W EIGHTY-NINTH AVE 168 S Dowling, Oakland. One-story 4-rm. dwelling.
Owner—Nettie A. Brown, 2222 89th Ave., Oakland.
Architect—None.
Day's Work. $1500

DWELLING.
(2618) E EIGHTY-SIXTH AVE 125 N Holly St., Oakland. One-story 6-room dwelling.
Owner—R. J. Pavert, First National Bank Bldg., Berkeley.
Architect—None.
Day's Worw. $3800

2 DWELLINGS
(2619) N E-SIXTEENTH ST 70 and 105 E 28th Ave., Oakland. Two one-story 5-room dwellings.
Owner—R. H. Larsen, 2830 E-14th St., Oakkland.
Architect—None.
Day's Work. $4000 each

BARN
(2620) SW COR FORTY-EIGHTH Ave. and E. 14th St., Oakland.
Two-story barn.
Owner—Central Shuey Creamery Co., 12th and Jefferson St., Oakland.
Architect—None.
Contractor—E. H. Schmidt. $2500

DWELLING
(2621) N LYON AVE 378 W 38th Ave. Oakland. One-story 7-room dwelling.
Owner—J. W. Sigwald, 3927 Agua Vista, Oakland.
Architect—None.
Day's Work. $4000

DWELLING
(2622) N NEVIL ST 222 W 38th AVE, Oakland One-story 5-room dwelling.
Owner—Jos T. Hinch, Federal Bldg., Oakland.
Architect—None.
Day's Work. $3000

DWELLING
(2623) N PORTER 178 W High, Oakland One-story 5-room dwelling.
Owner—T. S. Burke, 3101 Eastman Ave., Oakland.
Architect—None
Day's work. $3000

DWELLING
(2624) E SCOTT 125 N Weldon, Oakland. One-story 6-room dwelling.
Owner—Leigh Bancroft, 1201 Broadway, Oakland.
Architect—None.
Contractor—W. C. Constable. 2306 School St., Oakland. $4800

DWELLING
(2625) PTN LOT 33 BLK "C" Map 4th Ave Park, Oakland. All work for one-story 6-room dwelling.
Owner—R. B. and Carrie E. Johnston, 2314 Haste St., Oakland.
Architect—None.
Contractor—Gede & Randall, 5361 Locksley St., Oakland.
Fild June 9, '22. Dated June 8, '22.
Ratters in place..... ¼
Brown coated ..... ¼
Completed ..... ¼
Usual 35 days..... ¼
TOTAL COST, $5100
Bond none. Limit, 85 days. Forfeit, $2. Plans and specifications filed.

(2626) N BROOKDALE AVE 515 W 55th Ave., Oakland. One-story 5-room dwelling.
Owner—Karl S. Fredreckson, 549 Montclair St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(2627) W PERALTA AVE 35 S Brookdale, Oakland. One-story 5-room dwelling.
Owner — Geo. Hand, 3035 Brookdale, Oakland.
Architect—None.
Contractor—S. G. Rankin, 712 Haddon Road, Oakland. $3250

DWELLING
(2628) E RANSOME AVE 175 N Carrington, Oakland. One-story five-room dwelling.
Owner—Thos. J. Bartlett, 3001 Galindo St., Oakland.
Architect—None
Day's work. $3000

ALTERATIONS
(2629) SW PIEDMONT WAY AND Bancroft Way W 37.64 S 140 W 30 S 38.75 E 50 S 21.25 E 87.55 N 202.44, Berkeley. All work for alterations to fraternity house.
Owner—Charles L. Tilden, 1031 San Antonio St., Alameda.
Architect — Edward Blake Seely, 255 California St., San Francisco.
Contractor—Henry and Charles H. McCullough, 1634 Berkeley Way, Berkeley.
Filed June 10, '22. Dated June 7, '22.
Ready for plaster.....$543.75
Completed and accepted..... 543.75
Usual 35 days..... 362.50
TOTAL COST, $1450 00
Bond, $725. Sureties, Robert Annis and W. C. Austin. Limit, 40 days. Forfeit, none. Plans and specifications filed.

DWELLING
(2630) 349 SAN CARLOS, Piedmont. 1½-story 7-room dwelling.
Owner—E. C. Hiester, 6174 Chabot Rd., Oakland.
Architect—None.
Contractor—C. H. McKibben, 1548 13th Ave., Oakland. $5850

DWELLING
(2631) 235 HIGHLAND, PIEDMONT. Two-story 7-room dwelling.
Owner—Annie Hendry.
Architect—None.
Contractor—F. J. Westlund, 351 12th St., Oakland. $8225

DWELLING
(2632) 969 KINGSTON AVE, PIEDmont. One-story 5-rm. dwelling.
Owner—C. E. Unfred, 1307 Alcatraz Ave., Oakland.
Architect—None.
Day's Work. $3000

DWELLING
(2633) 1541 BANCROFT WAY, Berkeley. One-story 6-rm. dwelling.
Owner—V. Turturici, 320 Bancroft Way, Berkeley.
Architect—None.
Contractor—S. L. Stewart, 831 16th St., Oakland. $3850

GARAGE
(2634) 2232 BLAKE ST., Berkeley. Two-story garage.
Owner—Mrs. Nottingon.
Architect—None.
Contractor—J. E. Stewart, 686 Sycamore, Berkeley. $1500

DWELLING
(2635) 762 CABRILLO, Berkeley. One-story 5-rm. dwelling.
Owner—Mrs. Marsh, 1862 Neilson, Berkeley.
Architect—None.
Contractor — Morse & Hinds, 1822 Hearst Ave., Berkeley. $4000

DWELLING
(2636) 1117 DERBY ST., BERKELEY. One-story 5-room dwelling.
Owner—Vincent Zavatero.
Architect—None.
Contractor—H. Carlson, 1621 Parker St., Berkeley. $3000

DWELLING
(2637) 701 HILLCREST, BERKELEY. Two-story 8-room dwelling.
Owner—Mrs. Jas. Gee, cor. Los Angeles and Shattuck Ave., Berkeley.
Architect—None.
Contractor—McWethy & Greenleaf, Albany Bldg., Oakland. $12000

DWELLING
(2638) 1447 PARKER ST, Berkeley. One-story 5-room dwelling.
Owner—Harry Lassen, 5327 College Ave., Berkeley.
Architect—None.
Contractor—Lassen & Shields, 5227 College Ave., Berkeley. $3000

DWELLING
(2639) 1219 WALNUT, BERKELEY. One-story 6-room dwelling.
Owner—P. H. Franks, 2839 Ellsworth, Berkeley.
Architect—None.
Day's Work. $5000

DWELLING
(2640) N BAY VIEW 200 W 13th Ave., Oakland. One-story 5-room dwelling.
Owner—R. Tarr, Syndicate Bldg., Oakland.
Architect—None.
Contractor—L. J. Dolan, Syndicate Bldg., Oakland. $3000

DWELLING
(2641) COLUMBIA PARK, Oakland. One-story 6-room dwelling.
Owner—C. Giacioni.
Architect—None.
Contractor—Oakley & Kolmodin, 1911 65th Ave., Oakland. $4000

DWELLING
(2642) E CHAMPION 40 N Pleasant, Oakland One-story 4-room dwelling.
Owner—Rose Pooley, 1408 Franklin St., Oakland
Architect—None.
Contractor—J. H. Martin, 1424 Franklin St., Oakland $2600

DWELLING
(2643) W CHAMPION 220 N Montana, Oakland One-story 6-room dwelling.
Owner—C. A. Week, 3425 Champion, Oakland.
Architect—None.
Contractor—Harry C. Knight, 388 12th St., Oakland $4000

DWELLING
(2644) S CALMAR 250 E Paloma, Oakland. Two-story 9-room dwelling.
Owner—T. P. Wittschen.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—C. M. MacGregor, 470 13th St., Oakland. $8750

DWELLING
(2645) S EL CAMILE 115 E 55th Ave., Oakland. One-story 5-room dwelling.
Owner—A. J. Soules, 4130 Howe St., Oakland.
Architect—None.
Day's work. $2500

DWELLING
(2646) N EAST TWENTY-THIRD ST. 150 W 8th Ave., Oakland. One-story 5-room dwelling.
Owner—C. A. Anderson, 710 E-23rd St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(2647) W EDGEWOOD AVE. 243 N El Centro, Oakland. One-story 5-room dwelling.
Owner—Mrs. W. V. Henesy, 1528 Schiller Ave., Alameda.
Architect—None.
Contractor—C. A. Morris, 2314 Eagle Ave., Alameda. $5000

DWELLING
(2648) NO. 5591-93 GENEVA, Oakland. One-story 4-room dwelling.
Owner—H. J. Thombery.
Architect—None.
Contractor—W. W. Crandmer, 583 56th St., Oakland. $3000

DWELLING
(2649) E HADDON ROAD 200 N Excelsior, Oakland. One-story 5-room dwelling.
Owner—Mrs. S. L. Carpenter, 465 23rd St., Oakland.
Architect—None.
Contractor—J. Anderson, 468 23rd St., Oakland. $4000

DWELLING
(2650) NW NINETY-EIGHTH AVE. & Walnut, Oakland. One-story 6-room dwelling.
Owner—A. Masneri, 2322 Larkin St., San Francisco.
Architect—None.
Contractor—O. R. Johnson, 3131 Talbot Ave., Oakland. $4000

DWELLING
(2651) E ONE HUNDRED THIRD AV. 110 N E-14th, Oakland. Two-story 8-room dwelling.
Owner—Mrs. B. Kiley, 1148 7th St., Oakland.
Architect—None.
Contractor — Raymond Ibanes, 1449 103rd Ave., Oakland. $4500

DWELLINGS
(2652) E RANSOME 200 and 240 S Lyon, Oakland. Two 1-story 5-room dwellings.
Owner—P., J. Healy, 39 Nace Ave. Piedmont.
Architect—None.
Day's work. $3000 each

REPAIRS
(2653) NO. 1337 SEVENTH, Oakland Fire repairs.
Owner—Mrs. A. Feldman, 1364 8th St., Oakland.
Architect—None.
Contractor—J. F. Shrader, 520 16th St., Oakland. $1782

DWELLING
(2654) LOT 3, BLK 13, THOUSAND Oaks Tract, Berkeley. Five-room dwelling and garage.
Owner—V. A. Marsh, 863 Nielsen St., Berkeley.
Architect—None.
Contractor—C. R. Morse, Harry W. Hind, J. G. Monges, (Morse & Hind) 1922 Hearst Ave., Berkeley.
Filed June 12, 1922. Dated June 9, 1922.
Enclosed ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $4120
Bond, none. Surieties, none. Forfeit, none. Limit, 60 days. Plans and specifications filed.

THEATRE AND STORES
(2655) W TELEGRAPH AVE 50.26 N 51st St. N 50.26 E 114.43 S 50 W 4.15 S 5 W 37 N 5 W 68. .One-story theatre and stores, except marquee.
Owner—Abe and Cyrus Shapro, 631 Lincoln Ave., Oakland.
Architect—None.
Contractor—Arthur M. Hardy, 518 24th Ave., San Francisco.
Filed June 12, 1922 Dated June 5, 1922.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $3645
Bond, none. Sureties, none. Forfeit, $10 day. Limit, 60 days. Plans and specifications filed.

(2656) LOT 11 BLK 2 EAST Piedmont Heights Extension Tract, Oakland. All work on two-story dwelling.
Owner—Chas. L. & Mary E. Sullivan, 3787 Park Blvd., Oakland.
Architect—None.
Contractor—G. A. Bissell and R. A. Bissell, 269 12th St., Oakland.
Filed June 12, 1922. Dated June 12, 1922
Frame up $2000
Brown coated 2000
Completed and accepted 2368
Usual 35 days 2150
TOTAL COST, $8518
Bond, $1300. Sureties, Myra B. Manlove and Kathleen M. Hayes. Forfeit, $1.00 day. Limit, Sept. 25, 1922. Plans and specificaations filed.

FLATS
(2657) NO. 2751-53 COLLEGE AVE., Berkeley. Two-story 11-room flats
Owner—R. E. Campbell, 3004 Dana St., Berkeley.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Day's work. $8000

DWELLING
(2658) NO. 2225 CALIFORNIA, Berkeley. One-story 5-room dwelling.
Owner—J. P. Cianciarulo, 1221 Grove St., Berkeley.
Architect—None.
Contractor—C. E. Low, 2213 4th St. Berkeley. $2000

DWELLING
(2659) NO. 921 CONTRA COSTA AVE., Berkeley. One-story 5-room dwelling.
Owner—R. W. Lewis, 2003 Vinec St., Berkeley.
Architect—None.
Contractor—C. Texdahl, 5375 Belgrave Place, Oakland. $3900

STORES
(2660) NO. 2973-77 COLLEGE AVE., Berkeley. One-story stores.
Owner—L. R. Dray, 545 53rd St., Oakland.
Architect—None.
Contractor—H. C. Pfrang, 5659 Ocean View Drive, Oakland. $8000

DWELLING
(2661) NO. 2435 CURTIS, Berkeley. One-story 5-room dwelling.
Owner—Mrs. E. M. L. Snyder, 2339 Curtis St., Berkeley.
Architect—None.
Contractor — Andrew Lundgren, 2334 Curtis St., Berkeley. $3400

DWELLING
(2662) NO. 1219 DWIGHT WAY, Berkeley. One-story 5-room dwelling.
Owner—Wm. Wamola, 2418 10th St., Berkeley.
Architect—None.
Day's work. $3000

ADDITION
(2663) NO. 2118 MARIN AVE., Berkeley. Addition.
Owner—Mrs. Geo. L. Bell, premises.
Architect—None.
Contractor—Conner & Conner, 1726 Grove St., Berkeley. $3500

DWELLING
(2664) NO. 734 THE ALAMEDA, Berkeley. One-story 7-room dwelling.
Owner—R. E. Martinez, 1914 Woolsey St., Berkeley.
Architect—None.
Contractor—W. Livingston, 2918 Ellis St., Berkeley. $8000

DWELLING
(2665) NO. 959 TULARE, Berkeley. One and one-half story 7-room, dwelling.
Owner—William P. Stroll, 1700 Madera St., Berkeley.
Architect—None.
Contractor—F. Broadhead, 864 57th St., Oakland. $6500

DWELLING
(2666) NO. 1836 THOUSAND OAKS Blvd., Berkeley. Two-story 6-room dwelling.
Owner—Carl Ericsson, 1146 Masonic Ave., Berkeley.
Architect—None.
Day's work. $6000

ALTERATIONS
(2667) 462 CRESCENT ST, Oakland. Alterations.
Owner—Mrs. Leveroni, premises.
Architect—None.
Contractor—R. K. Noble, 3060 Kansas St., Oakland. $2000

SERVICE STATION.
(2668) GORE, COLLEGE, MANILA and Hudson, Oakland. One-story steel service and comfort station.
Owner—Shell Oil Co., 343 Sansome St., San Francisco.
Architect—None.
Day's work. $2150

ALTERATIONS
(2669) S E-FOURTEENTH and 27th Ave., Oakland. Alterations.
Owner—Magnovox Co., premises.
Architect—None.
Contractor—Lawton & Vezey, 357 12th St., Oakland. $1500

ALTERATIONS
(2670) NO. 1232 FOURTH AVE., Oakland. Alterations.
Owner—Jean Murphy.
Architect—E. W. Cannon, Central Bank Bldg., Oakland.
Contractor—John M. Barrett, 357 12th St., Oakland. $3900

DWELLING
(2671) W GROVE 45 N 42nd, Oakland. One-story 4-room dwelling.
Owner—J. Clinkenbeard, 2709 Grove St Oakland.
Architect—None.
Day's work. $2500

DWELLING
(2672) N HOPKINS 150 W Park Blvd., Oakland. One-story 7-room dwelling.
Owner—H. L. Houck 4445 Evans Ave., Oakland.
Architect—None.
Day's work. $5000

DWELLING
(2673) SE PERKINS AND ADAMS, Oakland. Two-story 8-room dwelling.

Owner—Geo. W. Anderson, 491 Staten Ave., Oakland.
Architect—None.
Day's work. $8000

DWELLING
(2674) W SIXTY-FIRST AVE 300 N TEVIS, Oakland. One-story 3-rm. dwelling.
Owner—Etta Barrier, 1465 55th Ave., Oakland.
Architect—None.
Contractor—E. D. Brownlage, 2226 Haste St., Oakland. $2165

DWELLING
(2675) E SIXTY-SIXTH AVE 729 N E-14th St., Oakland. One-story 5-room dwelling.
Owner—E. Olnes, 388 12th St., Oakland.
Architect—W. J. Wilkinson, First Savings Bank Bldg., Oakland.
Contractor—Harry C. Knight, 388 12th St., Oakland. $3950

DWELLING
(2676) W SIXTY-SIXTH AVE N E-14th St., Oakland. One-story 5-rm. dwelling.
Owner—Hill & Walters, 1600 High St., Oakland.
Architect—None.
Day's Work. $3000

APARTMENTS
(2677) NE COR FIFTEENTH AND Jackson Sts., Oakland. Three-story 5-room brick apartments.
Owner—M. P. Roystone, 306 14th St., Oakland.
Architect—None.
Contractor—Sommarstrom Bros., 306 14th St., Oakland. $70,000

DWELLING
(2678) W WESLEY AVE 32 N Prospect, Oakland. One-story 6-room dwelling.
Owner—H. P. Fisher, Syndicate Bldg., Oakland.
Architect—None.
Day's Work. $5000

ALTERATIONS
(2679) 1631 TELEGRAPH AVE., Oakland. Alteration to store front except painting, electric work and fixtures.
Owner—Emile Hittenberger, 1423 E. 32nd St., Oakland.
Architect—Hamilton Murdoch, Syndicate Bldg., Oakland.
Contractor—Corbett & Bayliss, 1110 Franklin St., Oakland.
Filed June 13, 1922. Dated June 12, 1922
Half completed $521.50
Completed and accepted 521.50
Usual 35 days 348
TOTAL COST, $1391
Bond, none. Sureties, none. Forfeit, none. Limit, 30 days. Plans and specifications filed.

DWELLING
(2680) LOT 18 BLK E Lakeshore Hills, Oakland. One-story frame dwelling and garage.
Owner—C. W. Brown, 1930 Courtland Ave., Oakland.
Architect—Schirmer-Bughee & Co., Thayer Bldg., Oakland.
Contractor—Chester A. Gossett, 527 Davis Court, San Francisco.
Filed June 13, '22. Dated June 8, '22
Sheathed ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $7215
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(2681) E 35 LOT 25 BLK F LEONARD Tract, Berkeley. One-story 5-room dwelling.
Owner—Henry Schutt, 2327 Stuart St., Berkeley.
Architect—None.
Contractor—Roy O. Long Co., 2114 Shattuck Ave., Berkeley.
Filed June 13, 1922. Dated June 12, 1922
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $4612.25
Bond, none. Sureties, none. Forfeit, none. Limit, 90 days. Plans and specifications filed.

DWELLING
(2682) NO 1054 HARVARD ROAD, Piedmont. One-story 5-room dwelling.
Owner—A. P. Anderson, 5409 Thomas St., Oakland.
Architect—None.
Day's work. $5000

RESIDENCE
(2683) NO. 944 KINGSTON AVE., Piedmont. One-story 5-room residence.
Owner—Ida M. Kelly.
Architect—None.
Contractor—Joseph Parker, 944 E-14th St., Oakland. $3850

RESIDENCES
(2684) NOS. 218, 222, 225, 229 AND 231 Palm Drive, Piedmont. Five 2-story 6 and 7-room residences.
Owner—J. B. Peppin, 1423 Franklin St., Oakland.
Architect—None.
Day's work. $5600, $5000, $5300, $5000 and $5200 respectively.

RESIDENCE
(2685) NO. 96 RAMONA, Piedmont. One-story 6-room residence.
Owner—Wm. G. Blumert, 495 38th St., Oakland.
Architect—None.
Contractor—Carl Schmidt, 304 105th Ave., Oakland. $4150

DWELLING
(2686) 1224 DWIGHT WAY, Berkeley. Two-story 5-room dwelling.
Owner—L. B. Turner, 1209 Francisco St., Berkeley.
Architect—None.
Contractor—Hawkins & Thompson, 2139 Essex St., Berkeley. $2800

DWELLING
(2687) W MILVIA 80 S EUNICE, Berkeley. One-story 6-rm. dwelling.
Owner—Mrs. H. Viner, San Francisco.
Contractor—Jordan & Zelle, 2544 Milvia St., Berkeley. $4000

DWELLING
(2688) 1528 TACOMA, BERKELEY. One-story 5-room dwelling.
Owner—Berkeley Building Co., Colusa and Solano, Berkeley.
Architect—None.
Day's Work. $2500

2 DWELLINGS
(2689) 1021 AND 1022 DORIS COURT, Alameda. Two 1-story 5-room dwellings.
Owner—Geo. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's Work. $3000 each

ALTERATIONS
(2690) 1710 EVERETT ST, Alameda. Alterations.
Owner—J. Meads, premises.
Architect—None.
Day's Work. $1625

LAVATORY
(2691) W BROADWAY AT COLLEGE, Oakland. One-story lavatory.
Owner—Associated Oil Co., San Francisco.
Architect—None.
Day's work. $1200

FLATS AND STORES
(2692) E BROADWAY 200 S Mather, Oakland. Two-story 8-room flats and stores.
Owner—J. L. Schultze, Weldon Ave., Oakland.
Architect—None.
Contractor—Jensen & Petersen, 3411 Adeline St., Oakland. $8560

ALTERATIONS
(2693) NO. 114 KEMPTON AVE., Oakland. Alterations.
Owner—M. Aselstine.
Architect—None.
Contractor—C. C. MacLean, 1512 Broadway, Oakland. $2000

REPAIRS
(2694) NO. 2870 PERALTA AVE., Oakland. Fire repairs.
Owner—M. Hill, Stiege, Cal.
Architect—None.
Contractor—A. H. Rose, 525 17th St., Oakland. $1268

APARTMENTS
(2695) S SIXTY-SECOND 250 W College, Oakland. Two-story 16-room apartments.
Owner—Elmer W. West, 5675 College Ave., Oakland.
Architect—None.
Contractor—Harry C. Knight, 388 12th St., Oakland. $12,000

DWELLING
(2696) NO. 544 THIRTY-SECOND ST., Oakland. One-story 2-room dwelling and garage.
Owner—A. B. King, premises.
Architect—None.
Contractor—A. H. Rose, 525 17th St., Oakland. $2553

ALTERATIONS AND ADDITION
(2697) NO. 614 TWENTY-THIRD ST., Oakland. Alterations and addition.
Owner—Mrs. Clara Deck.
Architect—None.
Contractor—N. E. Lindquist, 2235 Bancroft Way, Berkeley. $4000

REPAIRS
(2698) NO. 2422 THIRTEENTH AVE., Oakland. Fire repairs.
Owner—M. Shannón.
Architect—None.
Contractor—Thos. F. L. Furlong, 67 Echo Ave., Oakland. $1000

DWELLING
(2699) NO. 4730 WILKIE, Oakland. One-story 3-room dwelling.
Owner—Myrtle Reel, 4756 Wilkie St., Oakland.
Architect—None.
Contractor—A. G. Reel. $1500

DWELLING
(2700) NW BLVD. WAY AND LAKESHORE, Oakland. One-story 6-room dwelling.
Owner—J. Schwarts, 415 Euclid Ave., Oakland.
Architect—None.
Contractor—L. Johnson & Son, 2232 Greenbank Ave., Oakland. $9502

OFFICE AND FACTORY BUILDING
(2701) N CLEMENT 150 E High, Oakland. One-story office and factory building.
Owner—Fornecrete Aggregate Co., 844 13th St., Oakland.
Architect—None
Day's work $1500

DWELLING
(2702) S E-TWENTY-NINTH 50 W Sunset, Oakland. One-story 8-room dwelling.
Owner—E. J. Nelson, 2026 E-21st St., Oakland.
Architect—None
Day's work. $4000

FREIGHT SHED
(2703) S FIRST bet. Castro and Grove, Oakland. One-story freight shed,

Owner—Drayage Service Corp., 4th and Castro Sts., Oakland.
Architect—None.
Contractor—D. E. Culbertson, 2523 Grove St., Oakland. $1400

DWELLING
(2704) S FIFTY-SIXTH 200 E Shattuck, Oakland. Two-story 7-room dwelling.
Owner—Mrs. G. C. Goger, 655 57th St., Oakland.
Architect—None.
Contractor—Jas. D. Horton, 581 9th St., Oakland. $5000

DWELLING
(2705) N FLEMING AVE. 390 W Seminary, Oakland. One-story 6-room dwelling.
Owner—F. F. Morse.
Architect—None.
Contractor—C. E. Burks, 4129 Randolph Ave., Oakland. $4000

ALTERATIONS
(2706) NO. 1619-29 MARKET, Oakland Alterations.
Owner—William Mansa, 1949 7th Ave, Oakland.
Architect—None.
Day's work.

DWELLING
(2707) W NINETIETH AVE. 120 S Sunnyside, Oakland. One-story 4-room dwelling.
Owner—J. A. Valentine, 2303 92nd Ave Oakland.
Architect—None.
Contractor—James Pierce, 1351 Bay St., Oakland. $2500

DWELLING
(2708) N NEVIL 300 E 38th Ave., Oakland. One-story 5-room dwelling.
Owner—Chas. F. Brown, 1707 Broadway, Oakland
Architect—None.
Contractor—Alfred Cords. $3000

DWELLING
(2709) E ONE HUNDRED-SEVENTH Ave., 925 S E-14th, Oakland. One-story 5-room dwelling.
Owner—Louis Glickman.
Architect—None.
Contractor—Frank Critchett, Ooakland Bank of Savings, Oakland. $3700

DWELLING
(2710) W THIRTY-SIXTH AVE. 560 S E-18th, Oakland. One-story 5-room dwelling.
Owner—H. A. Pleitner, 2919 E-16th St. Oakland.
Architect—None.
Contractor—F. P. Wells, 4034 Uorter St., Oakland. $3759

DWELLING
(2711) E TREMONT 183 N 55th St., Oakland. One-story 5-room dwelling.
Owner—Howard Nethken, 3653 Brown Ave., Oakland.
Architect—None.
Day's work. $2200

DWELLINGS
(2712) NE TEXAS AND CURRAN & N Texas 38 E Curran, Oakland. Two 1-story 4-room dwellings.
Owner—H. Goranson, 3476 Laguna Ave Oakland.
Architect—None.
Day's work. $2800 each

ALTERATIONS
(2713) NO. 1072 TWENTY-EIGHTH, Oakland. Alterations.
Owner—Jos. B. Linggi, premises.
Architect—None.
Day's work $1500

DWELLING
(2714) N THIRTY-FOURTH 40 E West St., Oakland. One-story 5-room dwelling.
Owner—Jos. T. Hinch, Federal Bldg., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(2715) W WOODRUFF 295 N Hopkins, Oakland. One-story 5-room dwelling.
Owner—Chas. F. Brown, 1707 Broadway, Oakland.
Architect—None.
Contractor—A. Stenbro, 1608 Hopkins St., Oakland. $3500

APARTMENTS
(2716) N E-THIRTY-THIRD 65 E Park Blvd., Oakland. Two-story 26-room apartments.
Owner—Mrs. Cora B. Sanford.
Architect—None.
Day's work. $21,000

STORES
(2717) SW THIRTY-SECOND & SAN PABLO, Oakland. One-story stores
Owner—Jos. O. Falkinham, Hall Court Apts., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—Conrad Roth, Hayward. $11,500

APARTMENTS
(2718) N BELLEMONT 150 E Perkins, Oakland. Three-story 24-room apartments.
Owner—Mrs. Ida Christensen.
Architect—Clay N. Burrell, 1st Savings Bank Bldg., Oakland.
Contractor—H. J. Christensen, Federal Bldg., Oakland. $20,000

STORES
(2719) SW HOPKINS AND THIRTY-eighth Ave., Oakland. One-story frame stores.
Owner—A. Holm, 1191 9th St., Alameda.
Architect—None.
Contractor—E. H. Adams, 2840 23rd Ave., Oakland.
Filed June 15, '22. Dated June 13, '22
On signing contract .....$ 200.00
Frame up 1187.50
Roof on 1387.50
Plastered 1387.50
Usual 35 days 1387.50
TOTAL COST, $5,550
Bond, non. Limit, none. Forfeit, none.
Plans and specifications filed.

DWELLING AND GARAGE
(2720) LOT 14 BLK 11 OAK RIDGE Claremont, Berkeley. Two-story dwelling and garage.
Owner—Sumner Clement, 1715 Bushnell Place, Berkeley.
Architect—W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley.
Contractor — David Nordstrom, 4116 Emerald St., Oakland.
Filed June 15, '22. Dated June 12, '22
Frame up .....¼
Brown coated .....¼
Completed and accepted.....¼
Usual 35 days .....¼
TOTAL COST, $13,829
Bond, $6915. Surety, National Surety Co. Limit, 90 days. Forfeit, none.
Plans and specifications filed.
NOTE—Permit applied for today.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted

June 14, 1922—LOT 2 BLK 2 Key Route Terrace Tract No 2, Albany. Estelle C Nace to Brooks Parker .....June 7, 1922

June 13, 1922—NO. 3630 HOPKINS, Oakland. Edna A and William Kennedy to whom it may concern .....June 5, 1922

June 13, 1922—LOTS 1, 2, 3, BLK 14, College Homestead Tract, Berkeley. Blanche L. Porter, The Boardman Estate, by James W. Plachek, to W. Murch.....June 13, 1922

June 13, 1922—LOTS 1, 2, 3, BLK 14, College Homestead Tract, Berkeley. Blanche L. Porter, The Boardman Estate, by James W. Plachek, to John Thomsen .....June 13, 1922

June 13, 1922—PTN LOTS 3 AND 4, Blk 3, Barker Tract, Berkeley. B. K. Denhigh by James W. Plachek, to Chas. W. Knight.....June 12, 1922

June 13, 1922—SW COR 17TH ST and Telegraph Ave. W 100 S 25, Oakland. A. E. Sharboro and John R. Cahill to Cahill Bros..... .....June 13, 1922

June 13, 1922—LOT 4 BLK C Map Lakewood Park, Piedmont. Edwin E and Carrie L Parker to Jordan & Zeile.....June 8, 1922

June 13, 1922—LOT 18 SUB 21 Peralta Park, Berkeley. Oscar E Nelson to whom it may concern.... .....June 7, 1922

June 13, 1922—LOT 18 BLK 14 Lakeshore Highlands, Oakland. Edwin P Jones to H M Frostholm..... .....June 1, 1922

June 12, 1922—LOT 26, MAP BUENA Vista Tract, Berkeley. E. P. Wright to whom it may concern .....June 9, 1922

June 12, 1922—LOT 21 BLK 8 Fourth Ave. Hights, Oakland. Harold W. Halleen to Oakland Home Builders Co. Inc. .....June 10, 1922

June 12, 1922—PTN LOTS 20 AN 21, Blk 1, Map Fruitvale Orchard Terrace, Oakland. W. H. Matteson to whom it may concern.June 9, 1922

June 9, 1922—BLOCK BDED BY 13th, 14th, Franklin and Webster Sts., Oakland. Southern Pacific Co to T W Baker Co.....June 9, 1922

June 10, 1922—W MILVIA 285 S Rose Berkeley. H F Hind to whom it may concern.....June 7, 1922

June 9, 1922—E EUCLID AVE bet. Ceday and Hillgard, Berkeley. Elizabeth R Humphrey & Abrigail L Reed to S J Pertelsen..May 6, 1922

June 9, 1922—LOT 2 BLK 3 Amended Map, Thousand Oaks Court, Berkeley. F E Romie to L R Wilson .....June 8, 1922

June 9, 1922—LOT 10 BLK 2 Hotel Claremont Tract, Berkeley. H J Hiller to whom it may concern.. .....June 8, 1922

June 9, 1922—LOT 4 BLK "B" Map Fourth Ave Park, Oakland. L J & H. Spuller to Alfred Peterson.. .....June 9, 1922

LIENS FILED

ALAMEDA COUNTY

Recorded Amount

June 12, 1922—LOT 78, BLK 9 MAP Regents Park No. 4, Albany. J. W. Baridon vs. Cornelia W. Wooster and R. H. McBeth $77.20

June 12, 1922—SE COR SYCAMORE and Grove St., S 100 E 33, Oakland. Standard Planing Mill vs. S. Busby and Fung Fun $186.25

June 9, 1922—LOT 11 BLK 2, Map Broadmoor, San Leandro. Hogan Lumber & Mill Co vs Rose and J A Marcefsky $645.90

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount

June 9, 1922—LOT 21 BLK "E" Alameda Station Homestead Tract, Alameda. W J Clements to Morono Morehouse $64.80

June 9, 1922—LOT 16 BLK "E" Alameda Station Homestead Tract, Alameda W J Clements to Morono Morehouse .....$18[illegible]

Notice of Non-Responsibility

ALAMEDA COUNTY

June 14, 1922—LOTS 1, 2, 3 Sec 31; lots 6, 7, 8, 9 and N 820 lots 10, 11, 12, 13, 14, 15, 16 Sec 32, and S20 lots 9, 10, 11, 12, 13, 14, and all lot 15 except S 500 Sec 33, Tp 2 S Range 3 W. Annie H Darbee, General A J Gooch, Eva Mabel Lee, Lillie May Klein, Harry A Gooch, Edna A Sherman as to improvement on property.....

June 13, 1922—LOTS 13 AND 14 BLK 10, Map Key Route Heights, Oakland. Alameda Investment Co as to improvements on property....

BUILDING CONTRACTS

SANTA CLARA COUNTY

$1000 and Over Reported

BOOK STACKS
PALO ALTO, Cal. Erection and installation of steel book stacks, for library building.
Owner—Library Board of City of Palo Alto.
Architect—Birge M. Clark, Stanford University, Cal.
Contractor—F. W. Wentworth & Co., 539 Market St., San Francisco.
Filed June 8, '22. Dated May 31, '22
Upon Completion 50%
Usual 35 days 50%
TOTAL COST, $2,214
Bond, $2,214. Surety, The Fidelity & Casualty Co. of New York. Limit, Oct. 1, 1922. Forfeit, none. Plans and specifications filed.

COTTAGE
SANTA CLARA, Cal. All work for a one-story cottage.
Owner—Arnon Smith Johnston, Santa Clara Cal.
Architect—Binder & Curtis, 255½ First St., San Jose.
Contractor—J. E. McCombs, 214 Hobson St., San Jose.
Filed June 9, '22. Dated June 8, '22
Completion of roof frame.....$1500
Completion of plastering..... 1500
Completed and accepted..... 1500
Usual 35 days..... 1500
TOTAL COST, $6,000
Bond, none. Limit, 90 working days, from June 12, 1922. Forfeit, $2.50 day. Plans and specifications filed.

ALTERATIONS, $9585; Market and San Carlos, San Jose; owner, Druid's Hall Association, 58 S 1st St., San Jose; architect, Binder & Curtis, 255½ S 1st St., San Jose; contractor, Youngquist & Berg, 19 Marshall St., San Jose.

COTTAGE, 5-room, $3000, Hollywood near 2nd, San Jose; owner, L. Shottenhamer, 401 S Market St., San Jose; contractor, Shottenhamer, 401 S Market St., San Jose.

ALTERATIONS, $1875; No. 141 Santa Teresa, San Jose; owner, G. Conti, 131 Santa Teresa St., San Jose; contractor, Chas. Ricca, 271 San Augustine St., San Jose.

COTTAGES, two 4room, $1800 each; No. 1152 and 1160 Mastic, San Jose; owner, Wm H O'Neil, 506 N 15th St., San Jose, day's work.

COTTAGE, 4-room, $2000, Eighth near Virginia, San Jose, owner, Emmett McQuoid, 198 Tillman St., San Jose, day's work.

DWELLING, 6-room 2-part house, $7200, Sixth near San Fernando, San Jose; owner, Miss Mary Roth, 79 Devine St., San Jose; architect, C. S. McKenzie 213 S-12th St., San Jose; contractor, H. C. Jorgensen 160 Irving St., San Jose.

ALTERATIONS, $1800; No. 370 S-5th, San Jose; owner, Mrs. H. M. Ogden, 370 S-5th St., San Jose; contractor, 198 Brace St., San Jose.

COTTAGE, 5-room, $3000; 17th near St. James, San Jose; owner, Mrs. E. Dubois, 103 Cinnabar St., San Jose; day's work.

COTTAGE, 4-room, $1980; 12th near St. John, San Jose; owner, S. K. Jensen; contractor, J. W. Forward, Brokaw Road, San Jose.

APARTMENTS, two-story (8) apartments, $13,000; Santa Clara Ave San Jose; owner, H. Nelson, 419 W San Carlos Ave., San Jose; architect, C. C. Lewis, 329 S 5th St., San Jose; contractor, Lewis & Nelson, 419 W San Carlos Ave., San Jose.

COTTAGE, 5-room, $1990; No. 233 W St. James, San Jose; owner, John Giotte; day's work.

COMPLETION NOTICES

SANTA CLARA COUNTY.

Recorded Accepted

June 10, 1922—SAN JOSE, Cal. S G Youngquist to whom it may concern.....June 8, 1922

June 10, 1922—PALO ALTO Cal. John Charles Schilling to Wells Goodenough.....June 9, 1922

June 8, 1922—SAN JOSE, Cal. Earl S. Edwards to whom it may concern.....June 8, 1922

June 7, 1922—SAN JOSE, Cal. Phoebe Baggot to A J Nielsen...June 6, 1922

June 7, 1922—SAN JOSE, Cal. J G Luebben to J G Luebben..... .....June 5, 1922

June 6, 1922—MORGAN HILL, Cal. Coast Counties Gas and Electric Co to Holmes Bros.....May 15, 1922

June 6, 1922—SHERMAN ST, San Jose Cal. William H O'Neil to whom it may concern.....May 29, 1922

June 7, 1922—SAN JOSE, Cal. Rincon Realty Co to Cahill-Vensana Company (a co-partnership).June 5, 1922

LIENS FILED

SANTA CLARA COUNTY

June 6, 1922—PALO ALTO, Cal. Charles O Carlson vs J F Collins and Sylvia L Daniel.....$370.75

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded Amount

June 10, 1922—SAN JOSE, Cal. The Minton Co to Bruno Rote.....$52.85

June 9, 1922—LOS GATOS, Cal. Los Gatos Lumber Co to P Entantino $413.63

June 6, 1922—SANTA CLARA, Cal. G R Martin to Joe Vierra.....$40

BUILDING CONTRACTS

FRESNO COUNTY

$5,000 and Over Reported

DWELLING, $6000, No. 835 McKinley Ave., Fresno; owner, John Fairweather; contractor, Prichard Bros, 623 Perger St., Fresno.

STORE, $12,000; No 541 Blackstone Ave., Fresno, owner, Bravos Bros; contractor, Valley Constr. Co; Mattel Bldg, Fresno

STORE AND APARTMENT, $27,000, 911 Blackstone Ave., Fresno, owner, Joe Fieralzgano, Fresno; contractor, Fisher & McNulty, Mattel Bldg., Fresno

STORE, $5700; No 746 M St., Fresno; owner, Paul Kazarian, 746 M St., Fresno; contractor, De Luxe Construction Co., Fresno

DWELLING, $8500; No 902 Vassar St. Fresno; owner, J. G. Porter, 940 Cambridge St., Fresno; day's work

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted

June 13, 1922—LOT 60, J. C. Forkner Fig Gardens, Sub. 1, Fresno. Shorb & Meads to whom it may concern ..... June 12, 1922

June 12, 1922—LOTS 33 aAND 34, Blk 4, Stratford Pl., Fresno. Nellie M. Smith to whom it may concern .....June 7, 1922

June 12, 1922—LOTS 15 AND 16, Blk. 2, Zapps Park Add. No. 2, Fresno. Anderson M. Chitty to whom it may concern..June 12, 1922

June 10, 1922—LOTS 360, 365, Forkner-Giffen Fig Gardens, Sub. 2, Fresno. C. E. Harmon to whom it may concern .....June 9, 1922

June 10, 1922—LOTS 7 AND 8, BLK 1, Van Ness Park, Fresno. S. L. Allen to whom it may concern.. ..... June 10, 1922

June 10, 1922—LOTS 5 AND 6, BLK 1, Sierra Vista Add., Fresno. N. D. Beery to whom it may concern ..... June 9, 1922

June 10, 1922—LOT 53, J. C. FORKNER F. G. Sub. No. 1, Fresno. Henrietta Burns to whom it may concern ... .June 9, 1922

June 10 ,1922—PTNS LOTS 3 TO 6, Blk 2, Griffith's 2nd Add., Fresno. Lisle Case to whom it may concern .....June 9, 1922

June 9, 1922—GLENDORA SCHOOL District, Fresno. Glendora Joint School District to whom it may concern .....May 23, 1922

June 9, 1922—LOT 11 AN E 15 ft. Lot 12, Blk 4, Lisenby Tract, Fresno. B. M. Benson to whom it may concern .....June 7, 1922

June 9, 1922—THIRD ST CROSSING over reservation at Clovis, Cal. Southern Pacific Co. to whom it may concern .....June 6, 1922

June 7, 1922—LOT 8 BLK 68, Sierra Vista Addition No. 3, Fresno. Fresno Bldg Cptn to whom it may concern..... .. June 6, 1922

June 7, 1922—LOT 5 BLK 13, Alta Vista Tract, Fresno. E Aldberg to whom it may concern...June 7, 1922

June 7, 1922—LOTS 9 AND 10 BLK 14, North Park Terrace, Fresno. Berton & Wolff to whom it may concern ....May 29, 1922

June 7, 1922—LOTS 10 AND 11 BLK 329, Fresno. Berton & Wolff to whom it may concern...June 2, 1922

June 8, 1922—LOTS 5 AND 6 BLK 3, Normal Vista, Fresno. A N Torp Jr to whom it may concern..... .....May 31, 1922

June 8, 1922—LOTS 1 AND 2 BLK 7 Torrance Terrace, Fresno. F H McGinnis to whom it may concern... .....June 7 1922

June 8, 1922—LOT 5 BLK 17, Hazelwood, Fresno. C J Arslanian to whom it may concern.. June 7, 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount

June 10, 1922—LOTS 21, NORMAL Villa, Fresno M. A. Spear vs A. T. Holman $16.00

June 9, 1022—LOTS 23 TO 26, BLK 18, Grand Ave. Park Add, Fresno. W. A. Spear vs S. M. Albarian ..$67.00

June 7, 1922—LOT 7 N [illegible] Lot 8 Blk 2, Fresno. Victor J Cox vs R H McIntosh et al ..$25[illegible]

June 7, 1922—LOTS 16 AND 17 BLK 2, Copeland Addition Fresno Victor J Cox vs R H McIntosh et al ..$811

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

$2,500 and Over Reported

ADDITION TO SCHOOL
LOTS 1 TO 16 INCL., BLK. 216, East of Center St., Stockton. Addition to Jefferson school building.
Owner—Board of Education of the City of Stockton.
Architect—None.
Contractor—Chutes & Zinck, Tuxedo Ave., Stockton.
Filed June 7, '22. Dated June 5, '22
TOTAL COST, $63,559
Bond, none. Limit, 120 working days. Forfeit, none. Plans and specifications, none.

INSTALLATION OF HEATING AND ventilating apparatus on above.
Contractor—Edw. L. Gnekow, 123 W Park St., Stockton.
Filed June 7, '22. Dated June 5, '22
TOTAL COST, $10,278
Bond, none Limit, 120 working days. Forfeit, none. Plans and specifications, none.

SCHOOL.
N SIERRA NEVADA ST., STOCKTON. Eight-room brick, concrete and frame addition to Jefferson School Building.
Owner—City of Stockton.
Architect—Pete Sala, 807 N. El Dorado St., Stockton.
Contractor—Chutes & Zinck, Tuxedo Ave., Stockton. $63,135
Filed June 10, 1922.

RESIDENCES, two and two garages, $4000; W Jefferson St., Stockton; owner, A. Vartholomeos, Stockton; day's work.
RESIDENCES, two, $1900 each; W Jefferson St., Stockton; owner, J. Gossett, 1205 S Van Buren, Stockton; day's work.
RESIDENCE, $3500. W Acacia St., Stockton; owner, G. A. Reviere, Stockton. Day's work.
SCHOOL, 8-room brick, concrete and frame addition to Jefferson School Building, $63,135. N Sierra Nevada St., Stockton; owner, City of Stockton; architect, Pete Sala, 807 N. El Dorado St., Stockton; contractor, Chutes & Zinck, Tuxedo Ave., Stockton. Filed June 10, 1922.
STORE, $6,000; S San Joaquin St., Stockton; owner, H. J. Tye, Orange and Vine Sts., Stockton; day's work.
RESIDENCE and garage, $4900; Vernal Way, Stockton; owner, F. P. Dobson, 1045 Vernal Way, Stockton; day's work.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

June 10, 1922—NEW HOPE GRAMmar School Bldg., San Joaquin Co., Cal., by Robert Nichols Jr., Clerk of Board. Board of Trustees of the New Hope District to Ubels & Van Til .....June 7, 1922
June 7, 1922—S 51 FT. LOT 1 AND W ⅔ lot 13, blk 22, E of Center St, Stockton. John J Barrett, trustee for Agnes W Stone, Mary A Beldon and Frank 1 Barrett to Geo H Schroeder.....June 3, 1922
June 7, 1922—LOT 9 BLK 4, Rosedale S ½ lot 5, Rosedale Sub of Tracy. H W Matthies to whom it may concern.....May 15, 1922

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
June 12, 1922—S 30 ACRES OF E ½ of NW¼ Sec 32, T 1N, R 6E, Stockton. Central Lumber Co. of Stockton vs. P. B. Cassidy.....$325.65
June 10, 1922—PTN SE ¼ SEC 27, T 2S, R 5E, containing 39.54 acres. N. L. Bishop vs. M. M. Silveira.. ..... $118.00

BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 and Over Reported

FLATS
E ½ LOT 5, O, P, 8th and 9th Sts., Sacramento. Four flat building.
Owner—Hary Duffy, 1419 F St., Sacramento.
Architect—None.
Contractor—M. F. McKenzie, 1126 T St., Sacramento. $10,868
Filed June 7, '22. Dated June 3, '22

DWELLING, two-story 9-room and garage, $11,000; No. 1112 45th; owner, C. E. Wright, 817 J St., Sacramento; day's work.
DWELLING, one-story 5-room and garage, $2800; No. 4840 U St., Sacramento; owner, Margaret Chisholm, 3205 42nd St., Sacramento; contractor, John Gordon, 4010 8th St. Sacramento.
DWELLING, one-story 5-room, $3500; No. 3117 C St., Sacramento; owner, Mrs. Margaret W. Harding, 3111 I St., Sacramento; contractor, Fred Engberg, Motor R. B. Box 2347 Sacramento.
DWELLING, one-story 5-room, $4000; 1521 Santa Ynez, Sacramento; owner, Dave Christian, 708 G St., Sacramento; contractor, W. E. Truesdale, 2116 H St., Sacramento.
DWELLING, one-story 5-room, $3700; No. 3032 2nd Ave., Sacramento; owner, F. G. Gillespie, 3132 2nd Ave., Sacramento; contractor, J. Edenhofer, 300 2nd Ave., Sacramento.
DWELLING, one-story 5-room, $3500; No. 1051 37th St., Sacramento; owner, Earl Inderkum, 2205 J St., Sacramento; contractor, E. E. Sydenstricker, 1010 27th St., Sacramento.
DWELLING, one-story 5-room, $2900; No. 1500 S St., Sacramento; owner, Leroy C. Smith, 1116 Q St., Sacramento; contractor, Thos. B. Hunt 2926 S St., Sacramento.
FLATS, two-story (3) flats, $11,500; No. 2200 H St., Sacramento; owner, E. H. Sprague, 717 17th St., Sacramento; contractor, G. E. Harvie, 2212 T St., Sacramento.
DWELLING, one-story 4-room, $2500; No. 3800 12th Ave., Sacramento; owner, Mrs. Della Laird, 1826 H St., Sacramento; contractor, Thos. B. Hunt, 2926 S St., Sacramento.
DWELLING, one-story 5-room, $3900; No. 2309 22nd St., Sacramento; owner, Frank Stepanek, 1604 J St., Sacramento; contractor, Thos. B. Hunt 2926 S St., Sacramento.
DWELLING, one-story 5-room, $5200. No. 1345 43rd St., Sacramento; owner, W. M. Coffman, 27th and I Sts., Sacramento; contractor, H. W. Robertson, 1142 37th St., Sacramento.
FLATS, one-story (2), $4500. 1605 X St., Sacramento; owner, Alice R. Miller, 612 O St., Sacramento; contractor, A. S. Miller, 612 O St., Sacramento.
SCHOOL, two-story 18-room, $184,000; No. 5300 Franklin St., Sacramento; owner, Sacramento City School District; contractor, K. E. Parker Co., 519 California St., San Francisco.
DWELLINGS, two 1-story 5-room and garages, $3450 and $3350 respectively; No. 1525 T St., and 609 24th St., Sacramento; owner, Anna E. Williams, 4440 San Benito Ave., Sacramento; day's work.
DWELLING, one-story 6-room and garage, $3550; No. 1017 W St., Sacramento; owner, Marion Buljan 48th and Q Sts., Sacramento; contractor, Peterson & Halstead, Motor Rt. B, Box 22, Sacramento.
DWELLING, one-story 6-room and garage, $4000; No. 2615 Donner Way, Sacramento; owner, F. R. Mervin, 2615 Donner Way, Sacramento; day's work.

BUILDING CONTRACTS

SAN MATEO COUNTY

BUNGALOW
PTN. LOT 3 BLK. D San Mateo Heights San Mateo. Furnish and construct bungalow and garage, except shades and electric fixtures.
Owner—Granville Savage and Etta B. Savage.
Architect—None.
Contractor—Geo. M. Bobst.
Filed June 9, '22. Dated May 20, '22
Frame up 25%
Plastered 25%
Completed and accepted 25%
Receipted bills in 25%
TOTAL COST, $2,700
Bond, none. Limit, 60 working days. Forfeit, none. Plans and specifications filed.

BUILDING
LOT 25 FT FRONTAGE ON EAST LINE Mission St. 100 ft. South of Templeton St., Daly City, Cal. Construct and furnish one-story frame building.
Owner—A. Palmisano.
Architect—Louis Mastrapasqua, 580 Washington St.
Contractor—Ernest Swanson, 180 Jessie St., San Francisco.
Filed June 9, '22. Dated May 31, '22
Frame up $1472.50
1st coat plaster 1472.50
Completed and accepted 1472.50
Usual 35 days 1472.50
TOTAL COST, $5,890
Bond, none. Limit, 90 working days. Forfeit, none. Plans and specifications filed.

BUNGALOW
LOTS 17 AND 18 BLK. 18, Dungee Park, Redwood City. Furnish and construct, except garbage reservoir, cement walks, wall bed, tile roof, plastered exterior wall and buffet in dining room, one-story bungalow and garage.
Owner—L. and Ethel Otzen, Redwood City.
Architect—N. W. Sexton, Chronicle Bldg., San Francisco.
Contractor—Gus. Wallen, Redwood City
Filed June 9, '22. Dated June 2, '22
Frame up $2028.50
Plastered 2028.50
Completed and accepted 2028.50
Usual 35 days 2028.50
TOTAL COST, $8,114
Bond, $4,057. Sureties, P. E. Brand and M. E. Ryan. Limit, 90 working days. Forfeit, none. Plans and specifications filed.

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COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
June 8, 1922—LOT 21 AND PTN OF 22, Blk 13, Burlingame, Cal. William P Kinsey and Mary K Kelly to C. H. Bessett Building Co.... .....June 3, 1922
June 8, 1922—LOT 23 AND PTN OF Lot 22, Blk 13, Burlingame, Cal. Stanley and Mary Kelly to C. H. Bessett Building Co.....June 3, 1922

LIENS FILED

SAN MATEO COUNTY.

Recorded Amount
June 9, 1922—LOTS 6 AND 7, BLK 2, Glenwood Park, Burlingame, Cal. C. T. Gould vs. Maria V. Rast et al $285.00

BUILDING CONTRACTS

CONTRA COSTA COUNTY

BUNK HOUSES, three reinforced concrete bunk houses for employes. $15,675; Nevin and B Sts., Richmond; owner, A. T. & S. F. R. R.; contractor, Yard & Hichborn, Trust & Savings Bank Bldg., Los Angeles

DWELLING, frame, $3100; E-12th between Barrett and Roosevelt, Richmond; owner, J. K. Rumrill, 536 5th, Richmond; contractor, J. A Fagastrom, 147 12th, Richmond.

DWELLING, one-story frame, $3500; N Roosevelt between 42nd and 43rd Richmond; owner, F. Norton, 139 Cambridge Way, Oakland; contractor, K. J. Henning, 546 43rd, Richmond.

DWELLING, one-story frame, $3500; W 42nd between Macdonald and Nevin, Richmond; owner, R. W. Pimm, 320 42nd St., Richmond; contractor, K. J. Henning, 546 43rd St., Richmond.

FLATS, two-story frame (2) flats, ..6550; SE 4th and Chanslor, Richmond; owner, R. G. Schaudeker, 227 Chanslor, Richmond; contractor, K. J. Henning, 546 43rd St., Richmond.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
June 14, 1922—LOT 8 BLK 9 MAP 2, Borhyen Sand Co, Burlingame, Cal. T H Simpert to W T Co, a cptn, and J E Bale.....June 10, 1922

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
June 13, 1922—LOTS 12 AND 18 Blk 45 Lyon and Hoag Sub, Burlingame Cal. Peter Foy vs August and Julie Beltrage, et al.....$76.50
June 13, 1922—LOTS 12 AND 18 Blk 45 Lyon and Hoag Sub, Burlingame Cal. William Sancostin vs August and Julie Beltrage, et al.....$45.00

OFFICIAL PROPOSALS

(Continued from Page 17)

NOTICE TO CONTRACTORS

(Heating and Ventilating System Orland High School)

NOTICE IS HEREBY GIVEN That sealed bids will be received by the Board of Trustees of Orland Joint Union High School District, Glenn and Tehama Counties, State of California, **until 8 o'clock P. M., of Saturday, June 24, 1922,** for furnishing and installing a heating and ventilating system for the high school building to be built in said district, in accordance with the plans and specifications as prepared for same by W. H. Weeks, architect.

Plans and specifications may be seen at the residence of the clerk of the district.

All bids should be presented on blanks furnished by the Board of Trustees.

Each bid must be accompanied by a certified check on some responsible California bank in a sum not less than five per cent of the amount of bid, made payable to George Clark, President of the Board of Trustees, as a guaranty of good faith that the party to whom the contract may be awarded will, within ten days, enter into the necessary agreement and bonds for the faithful performance of said work, and in case the person to whom the contract may be awarded fails or refuses to enter into said agreement and bonds, said check will be forfeited to said district in the manner provided by law.

Each bid must be enclosed in a sealed envelope and sent to L. E. Brownell, Clerk of the Board of Trustees, at Orland, California, and endorsed, "Bid on Heating System."

The Board reserves the right to reject any and all bids.

GEORGE CLARK, President,
L. E. BROWNELL, Clerk,
W. L. THOMPSON,
MRS. SARAH A. KING,
GUY SMITH,
Board of Trustees of Orland Joint Union High School District.

BIDS WANTED FOR STOCKTON SCHOOL

(Brick, Frame and Concrete Construction

Estimated Cost, $60,000)
NOTICE TO BIDDERS ON NORTH SCHOOL EIGHT-ROOM ADDITION

Notice to bidders is hereby given that bids on North School Addition general construction and also heating, plumbing and wiring group, as per plans and specifications on file at the office of the architects, Davis-Heller-Pearce Co., Delta Building, Stockton, Cal., will be opened on **Wednesday, June 21st, 1922, at 7:30 p.m.,** at the office of the Board of Education, corner of Lindsay and San Joaquin streets.

Bidders may bid upon the general construction work or upon the heating, plumbing and wiring group.

The Board of Education reserves the right to reject any or all bids.

A certified check of ten per cent of the amount bid must accompany said bid.

Dated June 7th, 1922.
By order of the Board of Education.
By ANSEL S. WILLIAMS,
Secretary.

NOTICE TO CONTRACTORS

(Telephone Line)

Sealed bids will be received by the Directors of the Grenada Irrigation District, Siskiyou County, California, at their office in Grenada, California, **up to 1:00 P. M., Wednesday, June 21, 1922,** for the construction of about six and one-half (6½) miles of telephone line.

At the time and place named, the bids will be publicly opened and read and the work will be let to the lowest responsible bidder.

Plans, specifications and form contract can be seen at the office of the District at Grenada, or at the office of the District's Engineer, Fred H. Tibbetts, in the Alaska Commercial Building, San Francisco.

Full sets may be taken out on the deposit of $5.00 to insure return.

Each bid shall be accompanied by a certified check for not less than 10% of the bid, made payable to the President of the Board of Directors of the Grenada Irrigation District, to be held as security for the execution of the contract by the bidder if the work is awarded to him.

The District reserves the right to award a contract for any or all of the work herein described.

The District reserves the right to reject any or all bids.

By order of the Board of Directors of the Grenada Irrigation District.
J. G. HADDOCK,
President.
VICTOR BOVO,
Secretary.

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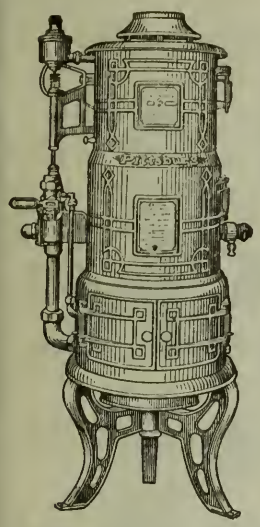

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Publication Office
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SAN FRANCISCO, CALIF., JUNE 24, 1922

Published Every Saturday
Twenty-second Year No. 25

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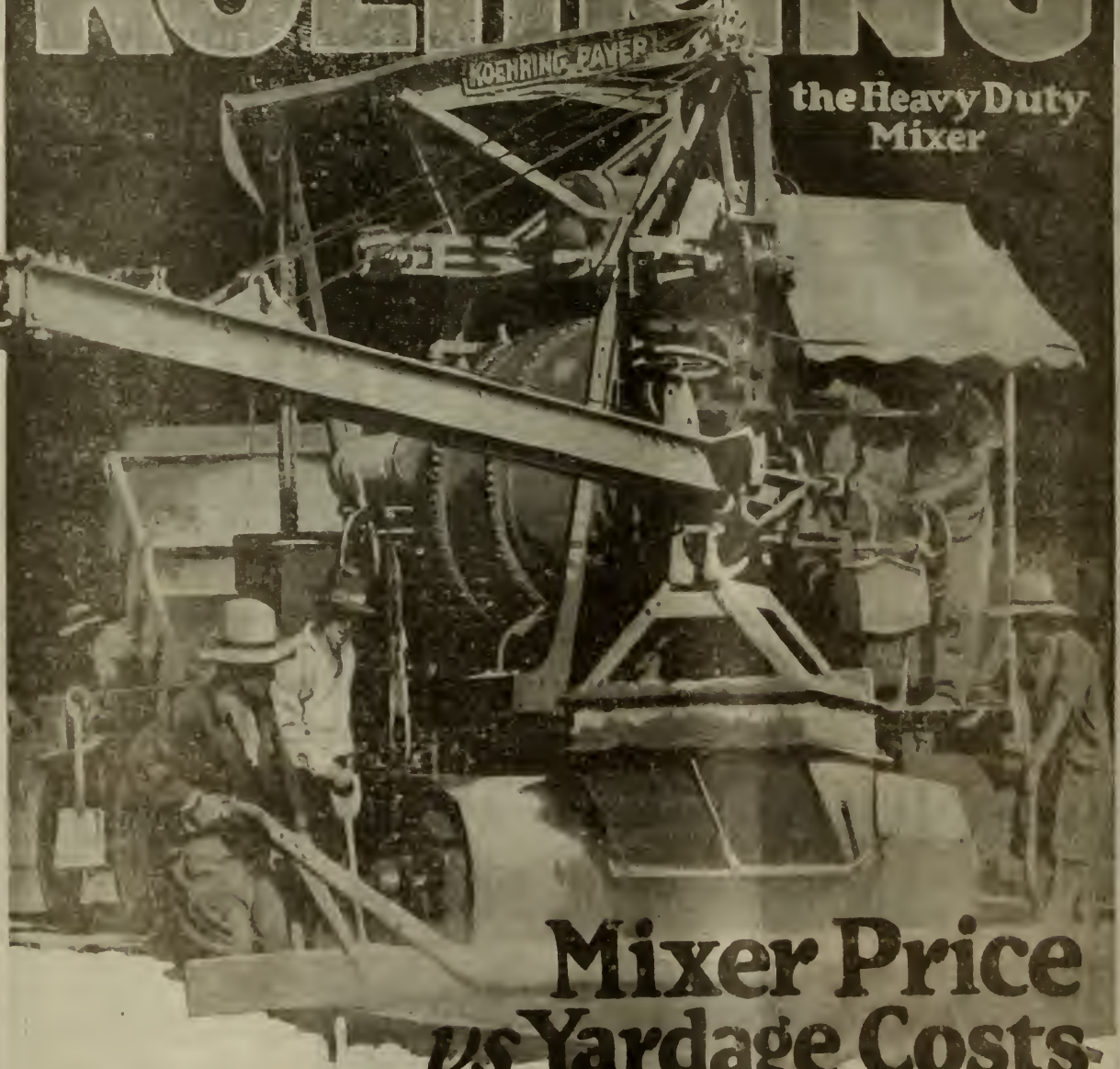

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San Francisco Los Angeles

Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday — SAN FRANCISCO, CALIF., JUNE 24, 1922 — Twenty-second Year No. 25

No. 560 Mission Street,
San Francisco, Calif.

MRS. L. A. LARSEN, Publisher
J. P. FARRELL, Managing Editor

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Official Paper of Vallejo Builders' Exchange

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Single Copies 15c

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U. S. ENGINEERS WILL CONSIDER CARQUINEZ BRIDGE PLANS

Hearings on the application of the San Francisco Transit Company for permission to construct a vehicular bridge across Carquinez Straits, Contra Costa to Solano County, will be held in the office of Colonel Herbert Deakyne, head of the army engineers of San Francisco, on June 30.

The bridge, which is expected to cost nearly $2,500,000, is to be built from a point two miles east of Crockett to Dillion's Point on the Solano shore, is to be a fabricated structure 3100 feet long and will carry a 30-foot roadway. The main span will be 1500 feet long and will have a clearance of 1.5 feet above water, enough to allow passage of any modern or projected ships. The secondary spans on either side will be 750 feet in length. The bridge is to have on macadam roadway sufficiently wide to carry two streams of traffic either way.

Plans of the project have been laid before Colonel Deakyne and have been forwarded to Washington for study by officials there to determine whether or not there will be any objection on the part of the War Department.

Charles Evans Fowler of New York prepared the plans for the project at the request of the Transit company, which is headed by Dr. Otto G. Freyermuth, with H. Martin, vice-president, Arthur St. Claire, secretary, L. H. Silverman, treasurer.

W. B. Greeley, Chief Forester of the United States, on a recent visit to San Francisco, declared "the responsibility of supplying the nation with timber is gradually being shouldered by the West, and at the end of ten years California and the Pacific Coast will be called upon to meet the entire demand."

BUILDING COSTS 25 PER CENT BELOW THOSE OF 1920

Costs in the building industry now average approximately 25 per cent below the peak period of 1920, it is revealed in a study of the prices of materials and wages of labor just completed by the Department of Labor.

Material prices average approximately 41 per cent below 1920.

Wages in 1921 averaged 2 per cent higher than in 1920, according to the Labor Department studies. This study does not include scales of 1922, which, however, are known to be lower than the scales of 1920. In some lines of building wage scales were reduced 15 per cent last fall.

The general reduction in building costs has encouraged the development of a boom in building, now practically nation-wide, according to the Federal Reserve Board.

Wartime rent levels are tending to reduction as a result of the increased building overcoming the shortage of living quarters throughout the country. In some sections, particularly in New England, reports to the United States Employment Service show that there is no shortage whatever of shelter.

In Boston the cost of new building and the rental standard bear approximately the same relation to each other as in the pre-war period, according to a report to the Federal Reserve Board. There is still, however, a shortage of homes.

Wages and labor costs are expected to resume an upward trend as increased building throughout the country brings a wider demand.

Wages are now nearly double the rates of 1914, despite recent readjustments.

The cost of materials is 68.4 per cent above 1914.

Neither wages nor materials ever will return to the pre-war level, in the opinion of Government observers and manufacturers. According to this point of view, the level of 1922 represents a new starting point for building costs. If correct, this view would mean that now is the time to let contracts for those persons who wish to build houses at the lowest cost.

The shortage of building mechanics is already beginning to be experienced in many sections of the country. This shortage, if continued, is certain to force contractors to pay higher scales.

FRESNO ARCHITECTS SEEK COMPETITION ON COURT HOUSE PROJECT

Seven architectural firms of Fresno have filed a proposal with the Fresno County Supervisors urging that the proposed addition to the County Court House be built in accordance with the civic center plan and that an architect for the building be selected under the competitive system of the American Institute of Architects. The jury of award would be composed of an architectural adviser, one disinterested architect, one member of the city planning commission and the board of supervisors.

The proposal is signed by Architects Coates & Traver; R. B. Motchkin, Ernest J. Kump Co.; R. F. Felchlin, Glass & Butner; E. W. Peterson and Swartz & Ryland.

STOCKTON ARCHITECTS FORM PERMANENT ORGANIZATION

Because of the notable success of the building material exhibit given in January at the Hotel Clark, Stockton, by the Stockton Architects' Association and because of the unlimited opportunities for other worthy activities, the members of the body enthusiastically decided at a meeting held June 19 to perfect a permanent organization, and elected officers as follows: Glenn Allen, president; Wm. J. Wright, vice-president, and J. M. Burke, secretary.

Architectural and building material exhibits and the famous studio ball and revel given in January by the Association will now become annual events for Stockton.

The Association will also foster such relations between architects as will benefit the profession and their clients and a higher standard of building will be aimed at by all members.

Great enthusiasm prevails amongst the members of the Association over the work already accomplished, and great appreciation is expressed for the cordial support given by the building industries and the general public to the efforts of the Association.

IRRIGATION MAP OF CALIFORNIA COMPLETED

A new irrigation map of California, combining irrigation features with relief and a completely revised base, has just been completed by the Division of Agricultural Engineering of the United States Department of Agriculture, with headquarters in Berkeley, co-operating with the State Department of Public Works and the College of Agriculture of the University of California.

The preparation of this map has involved the location and field platting of 5,990,300 acres of irrigated land out of a total in the State of 23,912,200 acres found to be irrigable to the extent water is available. The figures show California well in the lead of all Western States, both as to irrigated and irrigable areas.

Besides giving information as to the location and extent of the irrigable and irrigated lands of the State, the map shows the location of the principal irrigation and power canals and conduits, existing reservoirs, rainfall and stream gauging stations, and existing hydro-electric developments.

SAN FRANCISCO GROWING BIG AS FACTORY CENTER

San Francisco had 260 factories in operation on January 1, 1920, according to a preliminary statement of the results of the 1920 census of manufacturers covering the year 1919, announced recently by the United States census bureau. Total capitalization of the plants was $326,398,000, an increase of 124.1 per cent over the year 1914. Persons engaged in manufactures here in 1919 totaled 61,328, of whom 2451 were proprietors and firm members, 10,287 salaried employes and 48,590 wage earners. Their earnings amounted to $78,621,000 for the year. Materials used in the manufactures were valued at $261,118,000, while the value of the products was $417,321,000. The census of manufactures excluded the hand trades and neighborhood industries and included only establishments conducted under the so-called factory system.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

Building Industry, the official publication of the Builder's Exchange of Cleveland and of the Ohio State Association of Builders' Exchanges, notes that "although Los Angeles is strictly an open shop town and San Francisco is open shop in all except two trades, wages in the building industry are very high. This seems to refute the argument advanced by union leaders that the open shop means starvation wages." When the cost of living is taken into consideration, wages in Los Angeles are relatively as high, if not higher than in any other city in the country. Moreover, mechanics in the building trades in Los Angeles are not periodically forced into idleness by strikes, and the thrifty ones, as a result, have a bank account or their own home, or both. — Southwest Builder.

The State Board of Forestry is authorized to use money out of the $300,000 appropriated in 1921 for the purchase of redwood timber land in Humboldt County for supplying water and sanitary facilities on the land purchased for public benefit. Such is the opinion of Attorney General U. S. Webb to the Forestry Board. Webb declared that to make the land available to the public it is necessary to supply sanitary facilities and uncontaminated water. The Forestry Board asked for the opinion because the State Board of Control had ruled that the $300,000 was appropriated solely for the purchase of redwood timber land.

Oakland Tribune, under date of June 15, says: "Several lower bay men who yesterday conferred with Louis Steiger and A. W. Wehe on financing of the Steiger Brick Works north of Vallejo, sought to take over the entire project and release the pledges made by Vallejoans who have already promised support, but Stieger and Wehe failed to take kindly to this proposition. Investigation of the sources of the revenue promised the company by these men revealed that they were acting in the interests of several large brick and tile operators, and that their intention was to buy the plant and never allow it to be opened, it is said."

Lloyd Olney of Dinuba, Cal., is the first former service man in the State of California to receive a certificate which entitles him to a $5000 loan to buy or build himself a home. The certificate was delivered to him by Robert Smith of Sacramento, secretary of the Veterans' Welfare Board. The last Legislature passed a bill making it possible for the State to loan former service men money with which to purchase or build a home. A low interest rate is charged, with forty years to repay.

A petition signed by 23 of the leading contractors of Glendale, Calif., has been presented to the City Council asking for the enactment of an ordinance requiring contractors doing work in that city to take out a license. They assert they are entitled to protection from outside contractors who take work at a low price and slight it or leave the owner holding the bag.

The Santa Fe and Los Angeles Harbor Railroad has applied to the Interstate Commerce Commission for authority to issue 500 shares of new stock and sell the issue at $100 a share, the funds to be used in constructing a line from El Segundo to Wilmington, in Los Angeles County, a distance of twelve miles. The Atchison, Topeka & Santa Fe Railroad at the same time seeks permission to lease the road which the harbor company seeks to build.

The Oakland Chamber of Commerce has recreated the Manufacturers' Bureau. This organization of industrial leaders, at one time, was one of the strongest organizations of its kind in California, but was disbanded by mutual consent of the members. The new body, which will number several hundreds, will make it its business to care for industrial problems effecting the members.

Morris Stulsaft, representing the Stulsaft Company, wholesale plumbing, has purchased a large part of Lot 4 of the block bounded by Front, Second, H and I streets, Sacramento. The premises have been leased by the Stulsaft Company, which now becomes the owner. Revenue stamps attached to the deed when recorded indicate a sale price of $41,000.

The Fresno County Supervisors have passed an ordinance prohibiting the "placing of any sign, picture or advertisement upon the right of way of any public road" in the county. Violation of the ordinance is declared to be a misdemeanor and is punishable by a fine of $100 and a jail sentence of thirty days.

A resolution authorizing James K. O'Brien of Smartsville, Cal., president of the Tahoe-Uklah Highway Association, to appoint a committee of fifty, from over the State, including himself, to consider highway matters for legislative action, was appointed at the annual meeting of the Association held in Upper Lake, Lake County, June 19.

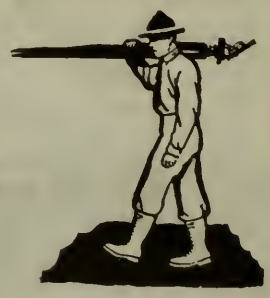
The United Warehouse Co. of Fresno, E. M. Prescott, manager, will erect a factory building in O street, near Monterey, Fresno, to be leased to the Pridham-Low Co. of Los Angeles, which will operate a carton factory employing from 50 to 100 persons. Machinery costing more than $100,000, already purchased, will be installed.

The Weed Lumber Co., in Siskiyou County, announces an increase in wages of 2½ and 5 cents an hour. With a few exceptions, all employes of the company share in the increase. When the company changed to a ten-hour basis lately, the daily wage scale was increased, but the hourly wage decreased.

The City of Napa proposes to purchase the works of the Napa City Water Co. for $240,000, and operate it as a municipal water system. Purchase will be financed through a bond issue.

W. J. Doherty prominent lumberman of Bakersfield was killed in an auto accident, June 16th.

ALONG THE LINE



H. T. Whyte, formerly chief engineer and general superintendent of ice production for the Consumers' Company of Chicago, has been appointed chief engineer of the Pacific Fruit Express Company, which provides the refrigerator cars and icing facilities for the Southern Pacific Railroad. He will maintain headquarters in San Francisco. Whyte is chairman of the Educational Committee of the National Association of Refrigerating Engineers.

A. W. Palm has been named secretary of the Sacramento Builders' Exchange, succeeding Chas. H. Johnson, who served as secretary under a former Board of Directors. Palm was formerly connected with the office of A. W. Norris, Sacramento contractor, and now president of the Builders' Exchange.

The name of William A. Fitzgerald, former managing editor of the Fresno Republican, is mentioned as the possible successor on the State Railroad Commission to Harvey D. Loveland, deceased.

State Highway Commission has purchased one acre site in Yreka and will erect warehouses to store materials for highway construction in Siskiyou County.

The Hayward, Calif., Chamber of Commerce is negotiating with an Eastern furniture company regarding the establishment of a plant in Hayward, to employ about 200 men.

Jas. A. McVittie, for the past two years city manager of Richmond, Cal., has been appointed to fill that position for another two years by the City Council.

Seymour & Seymour have taken over the business of C. H. Wilkleman & Co., manufacturers of paints, varnishes and enamels, at Fourteenth and Santa Fe avenue, Los Angeles.

Downer & Mero, Richmond contractors, awarded contract to construct sewers in San Pablo Sanitary District, Contra Costa County, on a bid of $28,391.

W. B. Hogan, city engineer of Stockton, preparing plans for bridge over Mormon Channel at South Center street, for which $35,000 is available.

M. J. Scanlon of the Brooks-Scanlon Lumber Co., Minneapolis, and associates have purchased a saw mill and timber at Massack, Calif.

H. W. Lewis, president of the Lewis Electric Company of Fresno, heads a movement to construct a $250,000 amusement center in that city.

Asa G. Proctor, incumbent, will be a candidate for the office of surveyor of Colusa County at the coming election.

OAKLAND FACING BIG BUILDING YEAR, TWENTY MILLION DOLLAR TOTAL FORECAST

Figures compiled from the records of the Oakland Chamber of Commerce disclose the phenomenal growth that city has attained during the past five years. The figures show an annual increase in the number of building permits and the value of bank clearings, indicating the permanent stride of the city toward the position of Pacific Coast metropolis.

That 1922 will be the banner year of the period is indicated by the building record for the past five months. It is as follows:

Building permits	Money expended for building
Jan. 581	$1,329,405
Feb. 537	1,424,772
Mar. 732	1,925,517
Apr. 772	1,850,169
May 813	2,243,745
Totals 3435	$8,773,599

May shows an increase over January of 232 building permits and an increase of $914,340 expended for buildings.

The following figures for the total twelve months of each year for the past five years gives an idea of the amount of business being done for 1922 compared to those years.

New Building permits	Money expended for new buildings
1917, 1969	$ 4,006,532
1918, 1786	4,370,984
1919, 2951	6,500,787
1920, 3480	8,561,543
1921, 5574	14,888,765

These figures do not include building permits for alterations.

Figures for new building permits and money spent for new buildings for the months of May from 1917 to 1922, inclusive, show that new building permits have increased more than 700 per cent while the amount expended for new buildings has increased by 300 per cent.

New Building permits	Moneys expended for new buildings
May, 1917, 174	$ 446,139
May, 1918, 180	347,157
May, 1919, 250	495,151
May, 1920, 264	862,880
May, 1921, 469	937,603
May, 1922, 662	2,243,745

These figures show that for May, 1922, there was an increase over May of last year of 193 new building permits and $1,306,142 in money spent for new buildings.

Bank clearings for the past five years for the month of May:

1918	$26,654,085.51
1919	38,235,760.13
1920	45,026,031.00
1921	42,872,953.60
1922	57,430,518.00

These figures show an increase in bank clearings for May, 1922, over May of 1921 of $14,557,564.40.

BUILDING ACTIVITIES WILL CONTINUE, SAYS S. W. STRAUS

With regard to the general building situation, S. W. Straus & Co. say:

"There is every indication at present that unusual activities in the building situation will continue throughout the present season.

"There is a steady inquiry for capital for building purposes with an increasing demand for buildings of non-residential type. Apartment houses and apartment house hotels of large dimensions also are growing in demand in the larger cities.

"While the present extensive building developments are greatly aiding the housing situation and are equalizing the wide margin which has existed between supply and demand, it is to be borne in mind that, as the standard of living improves in America and as new conveniences and arrangements are developed in apartment house construction, there is a correspondingly increased demand developed. It is to be expected that a strong and steady demand for high class apartment houses will be sustained.

"There is every indication that the labor and material situation, taken from the standpoint of the notion in general, are quite well stabilized. It is not apparent that anything will be gained by holding off for better prices, although with the continuation of present activities there will be shortages of both material and labor at various times and places. But there is no apparent reason why current building activities should not move steadily throughout the season."

A branch office of the Western Building and Loan Company, capitalized at $50,000,000, has been opened at Colusa, Calif. J. B. DeJarnatt is president, H. F. Osgood vice-president and W. L. Merrill secretary-treasurer.

A Bad Time to Bid Low

By M. V. AYRES,
Statistician Associated General Contractors of America

Rumors come to us that contractors generally are exhibiting a tendency to bid lower on all kinds of construction work than they were willing to do a few months ago. Does the present outlook justify lower prices for construction work?

The general level of prices has been going up, now, for the past two or three months. All authorities agree that the business depression has reached the bottom, and we are now on the upgrade. There is practically no exception to the rule that prices generally increase somewhat during the period following a depression, when business is recovering. We believe that this is now occurring and will continue to occur for at least six months to come. The long time tendency of prices will probably be downward for many years, but for the present, and for some time, they are going up. It is not safe to cut bids on the assumption that prices of materials will be lowered.

Wages in many lines have been reduced rather severely during the past few months. Doubtless, many employers feel that they must come down still more. Unquestionably, in some places and in some industries, where wages are still at the peak, some reduction will be made, but a time of improving business is not a time when wages generally can be reduced. Immigration has been restricted in such fashion as to greatly reduce what has in past years been the principal source of recruits for the ranks of common labor. An increase in business prosperity will raise the cost of living and increase the demand for labor. We do not feel that bids can safely be made at lower levels on the assumption that wages are going to be reduced.

Much has been heard to the effect that freight rates must come down, if prosperity is to return. The importance of this factor has been greatly overstressed. Business is improving and freight rates are staying up. Some reductions, it is true, have been made and some more may occur, but the railroads have made only a beginning toward a recovery from a desperate financial plight in which they have been, and they will not willingly submit to any very drastic, or very extensive reduction of their charges. We do not believe that prospective reductions in freight rates are any justification for bidding low on construction projects.

It is perhaps quite as important that a contractor should get his materials when he wants them as that he should get them at the right price. At present, stocks of most things are large, and production capacity is not being used to the full. These conditions are favorable, but how long they will stay so is problematical. Demand is increasing. If the coal strike continues all summer, many industries will not be able to produce up to their normal capacity or perhaps even at their present rates. We do not feel that contracts can be taken with any assurance of prompt deliveries of large quantities of material several months from now.

If business picks up as we hope it will, there is going to be a car shortage before the summer is over. The railroads are under-equipped both in cars and locomotives for handling the normal businss of the country. Even if their equipment were all in good condition a car shortage would be the hardly avoidable accompaniment of the next period of even ordinary prosperity. But it is not all in good condition. There are nearly 200,000 more cars unfit for service than there ought to be under normal conditions of maintenance. If conditions were such that a car shortage existed of precisely this amount, 200,000 cars, it would be a very serious shortage. We do not think that low prices for construction work are justified, if they are based upon the assumption that freight cars will always be available when they are wanted.

Anyone contemplating making a low bid on construction work should not do it on the assumption that materials are going to be cheaper, that wages will be lower, that freight rates will be reduced, that deliveries will be prompt, that freight service will be adequate and that all things will be harmonious, for not one of these assumptions is likely to be true.

ASPHALT ASSOCIATION ELECTS OFFICERS AND DIRECTORS

Joseph R. Draney of the U. S. Asphalt Refining Co. of New York, was elected president of the Asphalt Association at its recent annual convention in New York. Other officers elected were: vice-president, F. P. Allen, Standard Oil Company of Indiana, Chicago, Ill.; treasurer, Herbert Spencer, Standard Oil Company of New Jersey, New York; secretary, J. E. Pennybacker, New York. Executive Committee, J. R. Draney, Herbert Spencer, LeRoy M. Law of the New Orleans Refining Company. Directors: Henry Fisher, New York; Herbert Spencer, New York; J. R. Draney, New York; F. A. Hegan, Toronto, Canada; J. S. Helm, New Orleans; E. J. Morrison, New York; F. P. Allen, Chicago; L. M. Law, New Orleans; L. M. May, Lawrenceville, Ill.; G. H. Perkins, Boston, Mass.; W. T. Headley, Philadelphia, Pa.; Charles Hvass, New York; H. W. Wilson, Jersey City, N. J.; B. F. Richardson, Philadelphia; W. S. Ely, Augusta, Ga.

WAR UPON WOOD WASTE WAGED BY GOVERNMENT

WASHINGTON, D. C., June 16:—"Only 30 per cent of the wood in a forest now gets into the form of seasoned, unplaned lumber. Of this an additional 10 to 25 per cent is lost in the process of manufacture. In extreme cases as little as three per cent of the wood in the forest may reach the finished product."

This statement is made in a booklet just issued by the Department of Agriculture, entitled Forest Products Laboratory, describing the work and aims of the experimental laboratory maintained by the Forest Service, in co-operation with the University of Wisconsin, at Madison, Wis.

The booklet outlines how, through investigation and experiment, the laboratory is devising and broadcasting practical commercial methods by which this enormous waste of the country's timber supply can be reduced. By reducing this waste, it is pointed ont, the life of our present forests will be prolonged and the problem of growing new forests made simpler, because by preventing the waste of timber less timber will have to be grown.

Among the various methods studied at the laboratory for decreasing waste of forest products is the treatment of woods with preservatives resisting decay. Through such treatment an annual saving of 1½ billion board feet is estimated to be possible in the case of railroad ties alone, and the preservation of other classes of timber would in the aggregate, greatly relieve the drain on our forests.

The Forest Products Laboratory is a Government institution; its advice and suggestions are to be had for the asking. It presents, according to the booklet, an opportunity for many manufacturers, wood users, and timber growers to supplement the information obtained by experience and hard knocks with technical data obtained through scientific research.

This pamphlet containing 47 pages and 24 illustrations may be had free of charge by writing to the United State Department of Agriculture, Washington, D. C.

EFFECT OF ORGANIC MATTER IN CONCRETE TO BE STUDIED

Sands unsuitable for concrete on account of the presence of loam or other organic matter are to be investigated by the Bureau of Public Roads of the United States Department of Agriculture and methods of treatment devised to make them safe for use.

Until recent years it often happened that concrete made of good cement and well-graded and apparently good sand, would apparently disintegrate and become worthless. In such cases the poor quality has always been attributed to all the different things which go to make a poor concrete.

A few years ago laboratory workers discovered the effect of organic matter in sand and devised a simple test to determine its presence in harmful quantities. The Bureau now hopes to find methods of treatment so that such sands can be used. Samples of sand from all parts of the country are desired, and anyone is invited to send in a sample in which the presence of organic matter is suspected, addressed to the Bureau of Public Roads, Washington, D. C.

The removal of eighteen structures and the repair of seventeen others in Vallejo has been ordered by the Board of Health and the State Housing Committee, following a survey of the city. Most of the structures to be razed are in the fire limits.

FINANCE HIGHWAYS FOR FUTURE, URGES ROAD CHIEF

"Plan now the financing of highways for the future and place highway transportation, which has come to be an indispensable part of our national life, on a firm foundation." This is the advice given by Thomas H. MacDonald, Chief of the Bureau of Public Roads, United States Department of Agriculture, for the consideration of every voter, taxpayer and legislator.

"We are starting out to construct a system of highways such as no nation ever constructed before. The nearest approach to it is found in France and Germany, and the area of neither is as large as Texas. This great undertaking is being entered into because highways are not a luxury, but furnish a real service, have a real earning capacity, and have become a national necessity.

"For such an undertaking to be successful, financing to care for maintenance, reconstruction and new construction should be planned for a long period of years in advance. Changes in methods of raising funds every few years, uncertainty as to whether funds will be provided, and periods in which funds are not provided, all increase the final cost of highways. Such a policy would soon bring any private business to disaster.

"Development and increase in numbers of motor vehicles and the coincident need and demand for good roads have come so rapidly that methods of rasing funds have often been expedients for the time being. Consideration has been given not so much to the just distribution of the cost as to how the funds can be raised with the least controversy and the utmost ease. Then, too, the use made of highways and the service rendered by them has changed greatly within the last few years.

"All this leads to the conclusion that the whole situation should be gone over very carefully, traffic studies made, and the cost distributed in proportion to the service rendered.

"The Bureau of Public Roads estimates that of the $600,000,000 spent for highways last year, 33 per cent was Federal aid and motor-vehicle revenue. The remaining 67 per cent comes either directly or will eventually be paid from State and local taxes. It is believed that a very considerable readjustment of the source of revenues must be made so that a larger percentage will be paid by the road user and a lesser percentage from State or local taxes."

DON PEDRO POWER SALE IS DEFEATED

Voters in the Modesto and Turlock Irrigation Districts at an election June 21 voted to distribute the Don Pedro power by an overwhelming majority.

In the Modesto District a partial count shows that the plan of wholesaling was defeated by more than three to one. The majority in the Turlock District was larger.

The directors of the irrigation districts have expressed themselves in favor of condemning the Pacific Gas and Electric system in the territory involved, in case the vote was for distribution. It has been estimated that the Modesto District alone will have to pay out more than a million dollars to do this.

The Pacific Gas and Electric had offered the districts 4 mills per K. W. A. for the power, meaning about $100,000 annually to the Modesto District and $200,000 to the Turlock District.

INCREASE LUMBER WAGES

A wage advance of 5 cents an hour, the first in more than two years, was effective June 16, affecting about 5500 employes of the Inland Empire sawmills, according to advices from Spokane, Wash. The raise was unanimously approved at a conference of the boards of Districts 9 and 10, and applies directly to the employes of seventeen mills in the Loyal Legion of Loggers and Lumbermen, producing 70 per cent of the Inland Empire lumber, and will undoubtedly be reflected in thirty-three smaller mills not in the organization.

The new wage is a minimum and will increase mill workers from $3 to $3.40 a day for common labor.

The proposition of paying an additional bonus to members only, based on length of service, was discussed but was not adopted. The members felt that it would be better to leave the matter in the hands of a committee from the Board of Directors to study a better system of wages.

Mills affected by the increase are all located in northern Idaho or eastern Washington.

ROAD ASSOCIATION URGES HIGHER TAXES

The American Association of State Highway Officials at its anuual meeting at Omaha went on record in favor of higher taxes on motor vehicles:

It was resolved that Association "urge upon all States the fairness and the necessity of collecting an adequate portion of the cost of highway programs from the users of motor vehicles. The fair share is not only the cost of maintenance of modern highways, but includes also a fair proportion of the cost of new construction, because much of this latter cost is due to the necessity of adequately providing for motor traffic. It was recommended that appeals be made to the individual motorist for his support of a policy of providing for a fair distribution of the cost of highway improvement."

It was stated that in most of the States the owners of motor vehicles are paying an insufficient portion of the cost of the State's highway program, as compared to the portion of the cost raised by taxation on general property, despite the fact that the individual owner is always willing to pay his fair share of such cost.

ELECTRIC LAMP SALES ARE INCREASING

The lamp committee of the National Electric Light Association reports 160,000,000 large tungsten filament lamps and 6,000,000 carbon lamps sold in the United States during 1921. This number, added to 202,000,000 tungsten lamps and 9,000,000 carbon lamps sold in 1920, makes a total of 377,000,000 lamps sold in the last two years. The average useful life of a modern electric bulb is 1000 hours. The decrease from the 1921 figures is attributed to the shutdown and part-time operation of factories and commercial houses last year.

During the first few months of 1922 sales of lamps have been increasing with indications that the 1920 mark will be approximated this year. This is pointed out as concrete evidence of business revival. In 1921, tungsten filament lamp sales were 96.1 per cent as compared with 95.7 per cent of total sales of 1920 and less than 1 per cent of the total in 1997.

Building News Section

APARTMENT HOUSES

Ready for Figures Tuesday.
APARTMENTS Cost, $25,000
SAN FRANCISCO. E 16th Ave bet. Fulton and Cabrillo.
Three-story frame and stucco apartment house (6 4-room apartments).
Owner—Not given.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Contract Awarded.
ADDITION Cost, $35,000
SAN FRANCISCO. NE Mission and Seventeenth Sts.
One-story addition to present one-story store building (7 stores and 12 2-room apartments).
Owner—G. Lachman.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—Louis J. Cohn, 110 Sutter St., San Francisco.
(42215) 1st report May 5; 2nd, May 13.

Plans Complete.
APARTMENTS Cost, $25,000
SAN FRANCISCO. Hyde St. near Vallejo.
Three-story frame and plaster apartment house (6 3-room and 3 2-room apartments).
Owner—Not given.
Designer and Contractor—A. M. Hardy, 518 24th Ave., San Francisco.
Exterior Finish, cement plaster; Heating, steam; Interior Finish, hardwood; Hot Water Heater system; wall beds.

Completing Plans.
APARTMENTS Cost, $——
SAN FRANCISCO. Jackson St.
Two and three-story frame and plaster apartment house.
Owner—Mrs. Jas. W. Ward.
Architect—Albert Farr, 68 Post St.,

Contracts Awarded.
APARTMENTS, ETC. Cost, $65,000
SAN FRANCISCO. S. Sutter St. E Taylor.
Three-story and basement reinforced concrete studio apartment and store building (10 apartments).
Owner—Mortimer A. Samuel.
Supervising Architect — August G. Headman, Call Bldg., San Francisco.
General contract awarded to G. P. W. Jensen, 320 Market St., San Francisco, $48,600.
Heating to Knittle-Cashel Co., 224 5th St., S. F., $1331.
Painting, tinting and papering to R. Zelinsky, 180 Jessie St., $1960.
Electric work to Frank J. Klimm, 221 Oak St., $1507.

Contract Awarded.
APARTMENTS Cost, $46,500
SAN FRANCISCO. E Jones, 95 N Sutter.
Five-story and basement Class C apartment house, except elevator, wall beds, lighting fixtures, shades, finish hardware and wall paper.
Owner—Ferd M. Stitch, 1308 Stockton St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—J. Steur, 1409 Geary St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $150,000
SAN FRANCISCO. NE Baker and Green Sts.
Six-story and basement Class A steel and concrete apartment house (13 apartments).
Owner—Bruce Fair.
Architect—Edw. E. Young, 251 Kearny St., San Francisco.
Contractor—M. A. Little, 805 Bush St., San Francisco

Plans Complete.
APARTMENTS Cost, $25,000
SACRAMENTO, Cal. 2922 I St.
Two-story (8) apartments and garage.
Owner—John Azenedo, 2905 O St., Sacramento.

Contract Awarded.
APARTMENTS Cost, $124,318
SAN FRANCISCO. NW Eighth Ave. and Fulton St.
Five-story and basement reinforced concrete store and apartment house, 80x100, (24 4-room apts.)
Owner—James Duvaras.
Architect—Henry Shermund, Hearst Bldg., San Francisco.
Contractor—Mission Concrete Co., Call Bldg., San Francisco.
The contract includes all work except wall beds, light fixtures, shades, linoleum, carpets and gas or electric stoves.

Contract Awarded.
APARTMENTS Cost, $25,000
SAN FRANCISCO. N Washington 159 W Polk Street.
Three-story and basement frame (12) apartments.
Owner—K. Gluck, 30 Harrison St., San Francisco.
Architect—None.
Supt. of Constr.—J. Sockolov, 2558 Clay St., San Francisco.

Permit Applied For—Construction to Start Shortly.
APARTMENTS Cost, $500,000
SAN FRANCISCO. SE Powell and Sacramento.
Nine-story, basement and mezzanine Class A apartment house.
Owner—Sacramento-Powell Co.
Architect—MacDonald & Couchot, 234 Pine St., San Francisco.
Contractor—MacDonald & Kahn, 130 Montgomery St., San Francisco.

Owner Taking Sub-figures.
APARTMENTS Cost, $30,000
SAN FRANCISCO. W Leavenworth St. 110 N Post St.
Four-story and basement Class C (16) apartments.
Owner — Carl Jorgensen, 604 Mission St., San Francisco.
Architect—Edw. E. Young, 251 Kearny St., San Francisco.

To Be Done by Day's Work.
APARTMENTS Cost, $48,000
OAKLAND, Cal. NW Cottage Ave and York St.
Three-story frame apartments.
Owner—E. C. Graff, 355 12th St., Oakland.
Architect—None given.

Contracts Awarded.
APARTMENTS Cost, $——
SAN FRANCISCO. NE Sutter and Taylor.
Six-story Class C apartments.
Owner—Geo. D. Smith.
Architect—Edw. F. Foulkes, Crocker Bldg., San Francisco.
Excavation, concrete work and reinforcing steel to Atlas Concrete Co., 180 Jessie St., $15,090.
Plumbing to Frank Davison, 779 Folsom St., $6574.
Electric work to F. E. Newbery Electric Co., Lick Bldg., $2059.
Heating to Scott Co., 243 Minna St., $1230.

BANKS

Commissioned to Prepare Plans.
BANK AND OFFICES Cost, $——
SALT LAKE CITY, Utah. SW Main and Second South.
Class A bank and office building (approximately 20 stories high)
Owner—Continental National Bank & National Bank of the Republic.
Architect—George Wm. Kelham, Sharon Bldg., San Francisco.

Contractor Taking Sub-Figures.
BANK Cost, $15,000
SAN BRUNO, San Mateo Co., Cal.
One-story reinforced concrete bank building.
Owner—The California Bank of San Bruno.
Architect—W. H. Toepke, 942 Market St., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St, San Francisco.

Contract Awarded.
BANK-OFFICE BLDG. Cost, $225,000
LOS ANGELES, Cal. Third St. and Pine Ave.
One and ten-story Class A bank and office building (bank one story 96x100 and office building ten stories 54x100).
Owner — Farmers' and Merchants' Bank.
Architect—Aleck Curlett and Claud Beelman, 408 Union Bank Bldg., and W. Horace Austin, Long Beach.
Contractor—J. V. McNeil Co., H. W Hellman Bldg., Los Angeles.
The structural steel contract was awarded to Llewellyn Iron Works, and terra cotta to L. A. Pressed Brick Co.

Figures Being Taken From a Selected List of Contractors.
BANK BUILDING Cost, $100,000
BERKELEY, Alameda Co., Cal. Fulton St. opposite Kittredge St.
Two-story and basement reinforced concrete bank building.
Owner—Federal Land Bank.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
The general contract includes excavating, grading, concrete work, hollow tile and brick work, architectural terra cotta, carpentry work, roofing and waterproofing, plumbing lathing and plastering, sheet metal work, brass railing, wrough iron, revolving doors, painting, marble, tile, linoleum, glass and glazing, electrical work heating and ventilating.
Separate bids will be taken for the electric fixtures, curtains, shades and steel lockers.

SACRAMENTO, Cal.—The Bank of Italy has awarded a contract to E. Martilla, J. G. Tritu and B. J. Tronoff of San Francisco for the granite work in connection with the construction of the new Class A bank building to be erected in Sacramento, from plans prepared bw Architects Geo. C. Sellon & Co., Mitau Bldg., Sacramento. Contract price $7685.

BONDS

PROSSER, Wash.—By a vote of 221 to 5, residents of the Horse Heaven Irrigation District formally ratified a $32,000,000 bond issue and contracts for the construction of the project. The contracts call for a 112-mile canal, 96 miles concrete-lined, eight miles of tunnel and nine miles of siphons. The work is to be started within the next 60 days. Of the 340,000 acres in the project 256,400 will be watered by the first unit.

YUBA CITY, Sutter Co., Cal.—Until July 3, bids will be received by Supervisors for purchase of $45,000 bond issue of Live Oak School District; proceeds of sale to finance construction of school, plans for which have been prepared by Arfchitect W. H. Weeks, 369 Pine St., San Francisco.

SAN LORENZO, Alameda Co., Cal.—The $48,000 bond issue of the San Lorenzo School District sold by Supervisors for premium of $2402. Proceeds of sale will finance construction of new school building, plans for which are being completed by Architect Henry C. Smith, Humboldt Bank Bldg, San Francisco

VISALIA, Tulare Co., Cal.—Until July 3, bids will be received by Supervisors for purchase of school bond issues; proceeds of sale to finance improvements: Eshom Valley School District, $5,000; Goshen District, $10,000; Wilson District, $7,500.

Condon, Ore.—Bonds of $90,000 voted to construct water supply system. Engineers Stevens and Coon, Spalding Bldg., Portland, Ore., will prepare plans. Will consist of pumping system, taking water from Hay Creek, and pipe line 1½ mi. long. John Stewart, city recorder at Condon.

FULLERTON, Cal.—City Trustees will start proceedings for election for $150,000 bond issue for street paving.

FRESNO, Fresno Co., Cal.—Election held in Navelencia School District to vote bonds of $15,000 to finance new school building failed to carry.

HERMOSA BEACH, Cal.—Approx. $20,000 will be expended on fire dept. improvements if the proposed bond issue carries at the election to be held in August.

HERMOSA BEACH, Cal.—Under the proposed bond election to be held in August, $200,000 will be on the ballot for sewer improvements, including sewage treatment plant.

HERMOSA BEACH, Cal.—An election will be held the latter part of August to vote on an issue of $150,000 bonds for waterworks and distributing system.

HANFORD, Kings Co., Cal.—Election will be held July 14 in Paddock Elementary School District to vote bonds of $15,000 to finance school improvements. Trustees of district are: J. L. Downing, J. H. Smith and Grace Overstreet.

INDEPENDENCE, Inyo Co., Cal.—Trustees of Georges Creek School District will call election to vote bonds of $3000 for new school building. Will probably be concrete block type.

REDWOOD CITY, San Mateo Co., Cal.—Supervisors sell $29,000 bond issue of Ravenswood School District for premium of $1,020, proceeds of sale to finance school improvements.

OAKDALE, Stanislaus Co., Cal.—Election will be called in Oakdale Irrigation District to vote bonds of $50,000 for improvements.

CHURCHES

Contract Awarded.
CHURCH Cost, $25,000
LINDEN, San Joaquin Co., Cal.
Church.
Owner—Methodist Church.
Architect—Not given.
Contractor—John T. Lewis, 245 S. American St., Stockton.

YUBA CITY, Sutter Co., Cal.—Yuba City Methodist Church will campaign for funds to construct a new church building on site of present structure.

FACTORIES & WAREHOUSES

Plans Being Prepared—Figures to Be Taken in Ten Days.
LOFT BLDG Cost, $40,000
SAN FRANCISCO. Folsom St. near Second.
Two-story reinforced concrete loft building, 150x137-6
Owner—Louis R. Lurie
Architect—O'Brien Bros., 240 Montgomery St., San Francisco

Plans Being Prepared
LOFT BLDG Cost, $15,000
SAN FRANCISCO. N Howard E 2nd
Three-story and basement reinforced concrete Class C loft building.
Owner—Bothin Real Estate Co.
Architect—Arthur S. Hughes, 26 Montgomery St., San Francisco

Plans Being Figured—Bids to Be Opened First Week of July.
WAREHOUSE Cost, $125,000
SACRAMENTO, Cal. Front and M Sts
Four-story reinforced concrete show room and warehouse building.
Owner—Crane Co.
Architect—Woollett & Lamb, Hagelstein Bldg., Sacramento.
Figures are being taken for a general contract including scales, ornamental iron work, reinforcing steel, marble and tile work, composition tile, etc. Separate figures are being taken for the elevators, plumbing, heating and electrical work.

Contract Awarded.
PRINTING PLANT. Cost, $25,000
SAN FRANCISCO. Howard St. 400 W Fifth.
One-story reinforced concrete building for printing plant.
Owner—Louis R. Lurie, Mills Bldg., San Francisco.
Lessee—The Leighton Press, 516 Mission St., San Francisco.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—J. Martinelli, 180 Jessie St., San Francisco.

Plans Being Figured—Bids Close June 23, 1922, 7.30 P. M.
FACTORY Cost, $35,000
VALLEJO, Solano Co., Cal. Napa St.
One-story reinforced concrete factory 125x162 ft.
Owner — Western Die Casting Co., Berkeley, Cal.
Architect—C. E. Perry, Jr., P. O. Box 636, Vallejo.

YUBA CITY, Sutter Co., Cal.—Work has been started on an addition to Plant No. 94 of the Sun Maid Raisin Growers' Packing Plant, under the supervision of H. L. Webster. Sub-contracts on the work are in charge of J. E. Stockton, assistant mechanical engineer for the company, with G. L. Dodge in charge of electrical installation. Work on the foundation is being completed. Approx. $70,000 will be expended in the work.

Contract Awarded.
FACTORY Cost, $126,000
SELMA, Fresno Co., Cal. Lots 1 to 11 and 17 to 32, Block E.
Class C factory (wood and brick construction).
Owner—Fresno Tire & Rubber Co., Mattei Bldg., Fresno.
Architect—None given.
Contractor—W. L. Miller, Los Angeles.

REPAIRS Cost, $19,500
SACRAMENTO, Cal. 801 D St.
General repairs to building.
Owner—Consumers' Ice & Cold Storage 801 D St., Sacramento.

List of General Contractors Figuring Crane Job.
WAREHOUSE Cost, $125,000
SACRAMENTO, Cal. Front and M Sts.
Four-story reinforced concrete show room and warehouse building.
Owner—Crane Co.
Architect—Woollett & Lamb, Hagelstein Bldg., Sacramento.
Figures are being taken for a general contract including scales, ornamental iron work, reinforcing steel, marble and tile work, composition tile, etc. Separate figures are being taken for the elevators, plumbing, heating and electrical work.
The following is a list of the general contractors figuring the plans: Wm. Murcell, Oehsner Bldg.; Mathews Constr. Co., Forum Bldg.; McGillivray Constr. Co., Brighton; Harry Holdener, 2320 J St., Herndon & Finnigan, 1814 17th St.; George D. Hudnutt, California Fruit Bldg., Walter W. Campbell, 3325 J St., and W. G. Reed, all of Sacramento. Bids will be opened about July 5th.
A set of the plans and specifications are on file in the Daily Pacific Builder Office, 560 Mission Street.

Plans Being Prepared.
WAREHOUSES Cost, $10,000 each
SACRAMENTO VALLEY, Cal.
Two one-story frame and corrugated iron warehouses.
Owner—Withheld.
Engineer—C. F. Wieland, 709 Market St., San Francisco.

Contract Awarded.
OROVILLE, Butte Co., Cal.
WAREHOUSE Cost, $7,000
One-story frame and corrugated iron warehouse.
Owner—Sunical Packing Cptn., Oroville
Engineer—C. F. Wieland, 709 Market St., San Francisco.
Contractor—A. A. Plagge, 604 Montgomery St., Oroville.

SAN CARLOS, San Mateo Co., Cal.—The rebuilding of the San Francisco speedway at San Carlos, recently destroyed by fire, depends upon the action of the Board of Fire Underwriters, according to W. J. Loring, vice-president of the Speedway Assn., and C. C. Loser, secretary. The damage is estimated at $225,000.

IRVINGTON, Alameda Co., Cal.—The Panama Soap Company will erect a $60,000 soap factory in Irvington, according to an announcement made by the Chamber of Commerce of Irvington.

OAKLAND, Cal.—Gay Engineering Co. of Los Angeles, in a communication to the Oakland Chamber of Commerce, announces work on the first unit of its plant at 44th Ave. and 10th St., Oakland, will be started within 90 days. The company manufactures refrigerators and refrigerating machinery.

FIREHOUSES AND JAILS

PASADENA, Los Angeles Co., Cal.—H. O. Clarke, 449 N. Medison Avenue, Pasadena, was the lowest bidder for the general contract at $55,508 for erecting a 2story reinforced concrete fire station at Broadway and Holly streets, Pasadena. Other low bids were: So. Pasadena Plbg. Co., plbg., $3025; Richardson & Tyler, heating, $4556; and Pasadena Painting & Decorating Co. (W. J. Becker), painting, $1700. Bids under advisement, Cyrill Bennett, 313 Kendall Building, Pasadena.

FLATS

Contract Awarded.
FLATS Cost, $22,960
SAN FRANCISCO. W. 14th Ave 215 S Anza.
Two-story and basement frame (4) flats.
Owner—Mrs. Lillian Stateler.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.
Contractor—E. T. Leiter & Sons, 407 Call Bldg., San Francisco.

Plans Being Figured.
FLATS Cost, $10,500
SAN FRANCISCO. S 15th St. 150 E Church.
Two-story and basement frame (2) flats.
Owner—A. Furrer.
Architect—Martin A. Sheldon, 110 Sutter St., San Francisco.
Figures are being taken for a general contract.

Plans Completed.
ALTERATIONS Cost, $10,000
SAN FRANCISCO No 2715 Sacramento Street.
Alter residence into (2) flats.
Owner—Mrs. Lizzie G. Hovey.
Architect—Bliss & Faville, Balboa Bldg., San Francisco.

Contract Awarded
FLATS Cost, $11,500
OAKLAND, Cal. E Wesley Ave and Lake Park.
Two-story 12-room frame flats and garage
Owner—Chris Wininger, 1534 Franklin St., Oakland
Contractor—California Builders, 1531 Franklin St., Oakland.

GARAGES

Contract Awarded.
GARAGE, ETC. Cost, $15,000
OAKLAND, Alameda Co., Cal. SE E-12th St. and 5th Ave.
One-story tile garage and store bldg.
Owner—A. J. Barton, Bacon Bldg., Okd.
Architect—None.
Contractor—Marshall & Burks, Bacon Bldg., Oakland.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C. — Following bids rec. by Bureau of Yards and Docks, Navy Department, for improvements at San Diego Naval Base:

Specification 4624: mooring dolphins and timber piers; bids pened June 14:

Item 1a, work, complete, based on completion 120 days; 1b, ditto 140 days; 1c, do 160 days; item 2, add or deduct for each 12ft. pile dolphin more or less than number specified; 3, deduct for omission of fender pile system for each dolphin; 4, add or deduct for each lin. ft. of creosoted piles more or less than length specified.

Ross Construction Co., Van Nuys Hotel, Los Angeles, Cal.: Item 1a, $89,460, 120 days; 1b, $87,614, 140 days; 1c, $85,000, 160 days; 2, $1500; 3, $150; 4, add $1.

Fred W. Steffgen, 428 Timken Bldg., San Diego, Cal.: Item 1c, $66,015, 160 days; 2, $938.58; 3, $176.38; 4, $1.04.

Lange & Bergstrom, Timken Bldg., San Diego, Cal.: Item 1a, $69,000, 120 days; 1b, $69,000, 140 days; 1c, $68,000, 160 days; 2, add $1250, deduct $950; 3 add $250, deduct $150.

Healy-Tibbetts Construction Co., 64 Pine St., San Francisco: Item 1a, $98,500; 1b, $96,500; 1c, $94,500; 2, add $2000, deduct $1000; 3, $500; 4, add $1.50 deduct 75c.

San Francisco Bridge Co., 14 Montgomery St., San Francisco: Item 1c, $79,500, 160 days, deduct $15,000; 2, add $1600, deduct $800; 3, $120; 4, $120.

Specification 4651: Concrete bulkhad, bids opened June 14:

Item 1, work complete; 2, add or deduct for each panel of bulkhead 8 ft. in length (more or less) than specified.

Ross Construction Co., Van Nuys Hotel, Los Angeles, Cal.: Item 1, $69,644, 120 days; 2, $500.

Lange & Bergstrom, Timken Bldg., San Diego, Cal: Item 1, $85,000, 120 days; 2, add $250, 2 days; deduct $400.

Healy-Tibbetts Construction Co., 64 Pine St., San Francisco: Item 1, $88,650; 2, add $600, deduct $300.

DeWaard & Cobbam, 207 Granger Bldg., San Diego, Cal.: Item 1, $83,900, 150 days; 2, $570.

San Francisco Bridge Co., 14 Montgomery St., San Francisco: Item 2, $69,500, 160 days; 2, add $500, 20 days; deduct $350.

Warren H. Travers, 915 Pantagous St., Los Angeles, Ca.: Item 1, $91,678, 120 days: 2, $632.

Specification 4646: Constructing experimental landing platform for ship planes; bids opened June 14:

Allen Pope, 4722 15th St. N. W., Washington, $56,200; 120 days.

Fred W. Steffgen, 428 Timken Bldg., San Diego, Cal., 22,877, 120 days.

Newport Contracting and Engineering Co., Newport News, Va., $68,719.

Wright & Doram, 345 Spreckels Bldg., San Diego, $28,750, 120 days.

Wm. Simpson Construction Co., Marsh-Strong Bldg., San Diego, Cal., $34,500, 150 days.

W. E. Kier Construction Co., 813 First National Bank Bldg., San Diego, Cal., $35,855, 150 days.

Lange & Bergstrom, 819 Timken Bldg., San Diego, Cal., $28,900, 120 days.

K. E. Parker Co., 519 California St., San Francisco, $28,850, 150 days.

DeWaard & Cobham, 2707 Granger Bldg., San Diego, Cal., $36,500.

WASHINGTON, D. C.—Otis Elevator Co., Washington, D. C., at $9846 awarded contract by Supervising Architect's Office, Treasury Department, Washington, D. C., to install two elevators in U. S. Veterans' Hospital at Palo Alto, Cal.

SAN FRANCISCO—Until July 5, 11 A. M., under Order No. 3792, bids will be received by U. S Engineer Office, 240 Montgomery St., for furnishing evaporator systems for the U S dredges "Sacramento" and "San Joaquin," for suplying feed water for boilers and potable water for domestic use. Spec. will be furnished on request from above.

CARSON CITY, Nevada.—The Indian Bill passed by Congress carries an appropriation of $110,000 for the Carson Indian School, funds being divided as follows: Support, $80,000; repairs, $10,000; new kitchen and dining room, $20,000.

SAN FRANCISCO.—Until June 28, 11 a.m., bids will be rec. by U. S. Engineer Office, 240 Montgomery St., under Order No. 3795, for fur. and del. f.o.b. Rio Vista or factory, one portable air compressor outfit, various sizes with capacities varying from 45 to 60 cu. ft. of free air per minute at 90-lb. pressure. Spec. will be furnished on request.

BENICIA, Solano Co., Cal.—Until June 28, 11:45 a.m., bids will be rec. by Commanding Officer, Benicia Arsenal, under Ordnance Supply No. 107, for fur. and del. O.P., lumber; Port Oxford cedar; California sugar pine; ash or birch (dowel material) rods, and redwood lumber and redwood shingles.

WASHINGTON, D. C.—Until July 3, bids will be rec. by Panama Canal Commission for fur. and del. Balboa, Pacific Port, materials under Circular 1485: For 36,000 ft. 1-in. plow steel wire, rope, 9600 ft. special conductor cable, 2 electric transmitting and recording system for recording height of water of high and low service reservoirs, 2 windmills with galvanized towers and pumps, 18,000 lbs. steel bars, 15,000 lbs. steel track spikes, 2500 lbs. ferro-manganese, 72 chain links, 600 machettes, 2000 ft. red rubber tubing, 550 lbs. varnished cambric tape, 2 ships' logs, 4000 yds. cheese cloth, 300 gals. asphalt varnish and 1 bbl horse-hoof blue.

WASHINGTON, D. C.—Bids are being rec. by Bureau of Supplies and Accounts, Navy Department, for fur. and del. materials to navy yards as follows: Date for opening bids as noted at end of each paragraph:

Schedule 9701, Mare Island, 85,000 lbs boiler compound; June 27.

Sched. 9705, eastern and western coast yards, miscellaneous quantity of boiler gaskets; June 27.

Schedule 9710, various eastern and western yards, 45,000 lbs. calcium chloride; June 27.

Schedule 9711, various eastern and western yards, 256,000 lbs. concentrated lye; June 27.

Schedule 9712, Mare Island, 10,200 deck scrub brushes; June 27.

Schedule 9713, various eastern yards, miscellaneous quantities of rubber pump valves; June 27.

Schedule 9714, various eastern and western yards, miscellaneous quantity of abrasive wheels; June 27.

Schedule 9721, various eastern and western yards, 18 battery charging panels; June 20.

Sheduie 3, various eastern and western yards, 730,000 lbs. cotton waste, white; July 5.

Schedule 4, various eastern and western yards, miscellaneous quantity of petroleum spirits; July 5.

Schedule 5, Mare Island, Cal., 20,000 lbs. white lead, dry; July 5.

Sched. 5, Puget Sound, Wash., 10,000 lbs. brass voice tubing; July 5.

Schedule 8, various eastern and western yards, miscellaneous quantity of steel wire rails; July 5.

Sched. 13, various eastern and western yards, 54,300 flashlights and batteries; July 5.

WASHINGTON, D. C. — Following bids rec. by Bureau of Yards and Docks, Navy Department, Specification 4656, to const. radio tower at Astoria, Ore.: L. C. Mart, $6476.70, 60 days; C. F. Martin, $5713.13, 59 days; Miller Bros., 21 Burwell Ave., Bremerton, Wash., $4980, 60 days; John S. Lotte & Co., $5480, 60 days.

SEATTLE, Wash.—Until June 28, 11 a.m. bids will be rec. by Alaskan Engineer Commission, Bell St. Terminal, for fur. and del. under Circular 570: Fire engine, builders' hardware, window grill, lumber, doors and windows, plaster, plumbing supplies, wire cable, electrical equipment, and lamps. Further information regarding this circular may be had from San Francisco offices of Commission, 306 Customhouse.

SAN FRANCISCO.—Until June 30, 11 a.m., bids will be rec. by U. S. Engineer Office, 240 Montgomery St., under Order 3770-SP7, for fur. and del. Rio Vista, Solano County: 20 gals. waterproof boiler paint in 5-gal. cans; 8 pts. signal red and 8 pts. signal green paint in 1-pt. cans; 200 lbs. white lead in oil, 25-lb. kegs; 2 pts. dark oak and 2 pts. mahogany varnish stain, in 1-pt. cans. Further information on request at above office.

SAN FRANCISCO.—Until June 28, 11 a.m., bids will be rec. by U. S. Engineer Office, 240 Montgomery St., under Order 3797, for fur. and del. various points: fuel oil, distillate and gasoline.

DENVER, Colo.—Until July 5, 2 p.m., bids will be rec. by U. S. Reclamation Service, Denver, for fur. turnout gates. Specification 278-D, for North Platte project, Nebraska-Wyoming, involv. about 90,000 lbs. of metal work. Chas. P. Williams, acting chief engineer.

WASHINGTON, D. C.—Miller Bros., 221 Burwell Ave., Bremerton, Wash., at $4980 awarded contract by Bureau of Yards and Docks, Navy Department, to construct radio tower at Astoria, Ore., under Specification 4656. Time for completion, 60 days.

WASHINGTON, D. C.—Union Construction Co., 351 California St., San Francisco, at $9850 awarded contract by Bureau of Yards and Docks, Navy Department, to construct radio quarters at Mare Island Navy Yard. Spec. 4632. Time for completion, 80 days.

FORT MASON, Cal.—Bids were received as follows by the Constructing Quartermaster's Office on June 20 for constructing frame officers' quarters, stables and gunsheds at Presidio of Monterey, Calif. The contrct was awarded to T. H. Dean of Monterey, and includes all work:

T. H Dean, Monterey $51,680
Wm. Martin, San Francisco.... 64,767
Hannah Bros., San Francisco.. 67,330
Fletcher & Warren, Vallejo.... 68,572
Union Constr. Co., S. F..... 73,755

Electrical Work

M. E. Ryan, San Francisco: Officers' quarters, $1918; stables, $1316.
Turner Co., S. F., $2057; $960.

WASHINGTON, D. C.—Bids were opened on June 15th, in the Supervising Architect's Office, Washington, D. C., and in the office of the Superintendent of Construction, U. S. Veterans Hospital, Whipple Barracks, Prescott, Arizona, for electric light, power and telephone systems, at the U. S. Veterans' Hospital at Whipple Barracks, Prescott, Arizona.

The following are the lowest bids received:

Severin Electric Co., 55 5th St., San Francisco, $38,900.

Vyne Electric Co., $42,200 (received at Prescott).

Mack & Mack, New York City, $48,560, time 160 days (received at Washington).

HALLS AND SOCIETY BUILDINGS

Working Drawings Being Prepared.
LODGE BLDG. Cost, $60,000
VALLEJO, Solano Co., Cal. Georgia St. Three-story reinforced concrete store and lodge building.
Owner—Samoset Tribe No. 22, I. O. Redmen.
Architect—C. E. Perry Jr., 514 Main St., Vallejo.

Plans Being Figured.
ALTERATIONS Cost, $12,000
PALO ALTO, Santa Clara Co., Cal. Stanford University.
Alter and add to three-story frame fraternity house.
Owner—Delta Kappa Epsilon.
Architect—O. R. Thayer, 120 Sutter St., San Francisco.
The work includes the addition of 4 bedrooms, 4 showers, 2 toilets, enlarging dining room, billiard room, library and sleeping porch, installing Cole gas heating system, installing wash basins in the 18 rooms, magnesite floors in bathrooms, etc., and hardwood floors

MODESTO, Stanislaus Co., Cal.—B. P. O. E. lodge has secured option on two pieces of property. In thirty days one or the other will be purchased as a site for the proposed 3-story building to be erected at a cost of $75,000. It is undecided whether building will contain stores on the ground floor or be devoted exclusively to lodge uses.

FRESNO, Fresno Co., Cal.—H. W. Lewis, president Lewis Electric Co., 1917 Fresno St., Fresno, heads company contemplating construction of $250,000 amusement park. It is expected to start work within the next few months. The project will include a large dance pavilion, clubrooms, bowling alleys, shower rooms, various amusement structures, tennis courts, parking space, etc.

VENICE, Cal.—E. L. Dodds has contract and has started work on reconstruction of Sunset Pier recently sold to Chas. E. Fiske and Edw. E. Merrifield, both of San Diego. The deck will be cleared, ballroom built, and other improvements made.

HOSPITALS

Plans Being Figured—Bids Close July 10, 10 a.m.
HOSPITAL Cost, $90,000
STOCKTON, San Joaquin Co., Cal. County Hospital Grounds.
Two-story brick extension to County Hospital for Isolation Ward.
Owner—County of San Joaquin, Eugene Graham, County Clerk.
Architect—Ralph E. Morrell, I. O. O. F. Bldg., Stockton, Cal.
See call for bids under official proposals.

Contract Awarded.
HOSPITAL Cost, $25,000
SACRAMENTO, Cal. 3011 M St.
One-story 20-room hospital building.
Owner—A. Elliteroft, 1525 L St., Sacramento
Architect—None given.
Contractor—Herman Schlemner, 13th and J St., Sacramento.

AHWAHNEE, Madera Co., Cal.—Supervisors representing Stanislaus, Merced and Madera Counties, which counties operate the Ahwahnee Tubercular Hospital, at a recent meeting voted to spend $50,000 in enlarging the rpesent quarters. The exact nature of the improvements have not yet been determined

HOTELS

Plans Being Prepared—Contract Awarded
HOTEL Cost, $250,000
SANTA BARBARA, Cal. State St. bet. Cold and Ortega Sts.
Four-story fireproof hotel 115x180 (150 rooms)
Owner—Mission City Hotel Co. Alex E. Bern, president
Architect and Contractor—United Construction Co., Baker-Detweiler Bldg., Los Angeles.

Plans Being Figured
FRAME BLDGS Cost, $100,000
LOS ANGELES, Cal. Stephenson Ave. and Soto St.
Group of one-story frame buildings with tile roof for inn dining room building 90x115, office, 40x110, and stores 73x110.
Owner—Motor Inns of California, L. W. Bosserman, president.
Architect—H. W. Charlton and Geo. Birbach, 837 San Fernando Bldg., Los Angeles.

SACRAMENTO, Cal. — Sacramento will be headquarters for a novel industry which has grown out of the automobile's use for touring purposes. It was announced by Bert E. Hilborn, formerly of Washington, that the **American Travel System Corporation** has selected this city as headquarters and will build its first automobile tavern here, which will be known as "Rodome." Rodomes will be extended from Sacramento north through Oregon, Washington, into Nevada, Colorado and British Columbia. The one here will cover four acres of ground, and will embrace some of the salient features of the tavern, apartment house, garage, general store, service station and cafeteria.

POWER PLANTS

REDDING, Shasta Co., Cal.—Pacific Gas and Electric Co., E. R. Davis, engineer in charge, plans improvements totaling $53,730 in this city. Work will consist of concrete lined sedimentation basin near reservoir; replace 14-in. wood main from reservoir to Chestnut St., with 3240 ft. of 18-in. riveted steel pipe; installing new upmp costing $6330, etc.

LOS ANGELES, Cal.—San Joaquin Light & Power Co. has been granted permission by State Railroad Commission to make a temporary loan of $750,000 to So. Cal. Gas Co. for construction purposes.

PUBLIC BUILDINGS

YUBA CITY, Sutter Co., Cal.—Until July 5, 2 P. M., bids will be received by Albert W. Brown, county clerk, to construct additions to courthouse and make certain alterations. Cope, Rand, Means Co., engineers, 58 Sutter St., San Francisco. **See call for bids under official proposal section in this issue.**

FRESNO, Fresno Co., Cal.—Architects of Fresno in a letter to the Board of Supervisors suggest that a competition be held under the rules of the American Institute of Architects, to decide who shall prepare the necessary plans for the proposed county court house addition. The letter is signed by the following architects: Coates & Traver; Ernest J. Kump Co.; R. B. Motchkin, R. F. Felchin Co.; Glass & Butner, Swartz & Ryland, all of Fresno.

EL CENTRO, Imperial Co., Cal.—Archt. Don W. Wells, First Natl. Bank Bldg., El Centro, and Ralph Swearingen, 217 Anderson Bldg., Calexico, as associate archt., have been commissioned by County Supervisors to prepare plans and spec. for new county court house for wrich $300,000 bond issue was recently voted. Preliminary plans are in preparation.

RENO, Nevada—The Washoe County Commissioners will ask bids in the immediate future for furnishing and installing heating boilers in the courthouse and county jail buildings.

RESIDENCES

Owner Taking Figures.
2 BUNGALOWS Cost, $——
DALY CITY, San Mateo Co., Cal.
Two one-story frame and plaster bungalows (4 rooms, basement and garage, each).
Owner—E. Ferto, 1506 Sanchez St., San Francisco; Phone Valencia 1561.
Architect—Not given.
Bids are being taken for a general contract.

Figures to Be Taken in About a Week.
RESIDENCE Cost, $12,000
SAN FRANCISCO. St. Francis Wood.
Two-story frame and plaster residence.
Owner—J. A. Carlson.
Architect—H. H. Gutterson, 278 Post St., San Francisco.

Contract Awarded.
RESIDENCE Cost, approx. $17,000
BERKELEY, Alameda Co., Cal.
Two-story and basement frame, brick veneer and plaster residence.
Owner—Austin Sperry.
Architect—H. H. Gutterson, 278 Post St., San Francisco.
Contractor—Walter Sorensen, 3221 Ellis St., Berkeley.

To Be Done by Day's Work.
8 DWELLINGS Cost, $30,500
SACRAMENTO. 1416-32-50-70, 1510 and 1524 33rd St.; 2709 and 2681 Montgomery St.
Three one-story 5-room frame dwellings and garages, three one-story 4-room dwellings, 2 one-story six-room dwellings, and garages.
Owner—J. C. Carly Co., 823 J St., Sacramento.

Plans Being Figured
RESIDENCE Cost, $7000
MILL VALLEY, Marin Co., Cal.
Two-story frame and stucco residence (7 rooms).
Owner—J. E. Heller.
Engineer—J. E. Heller, 507 Sheldon Bldg., San Francisco.
Plans are on file in the Builders' Exchange, 180 Jessie St. Figures are being taken for a general contract.

To Be Done by Day's Work.
7 DWELLINGS Cost, $3750 ea.
OAKLAND, Cal. 2807 Best Ave, 2806 and 2824 Kingsland, NW Kingsland and Brookdale, 2915 Madera, 2769 Maxwell, 2937 and 3000 Rawson St.
Seven 1-story 5-rm. dwellings.
Owner—Harry W. Isaacs, 2800 Modesto, Oakland.

Contract Awarded.
STORE Cost, $9512
SAN FRANCISCO. E Cole St. 36 N Parnassus.
One-story frame, brick and veneer store building (4 stores with 2-room apartments). (All work except light fixtures, shades, painting and hardware).
Owner—A. B. Harrison.
Architect — O. R. Thayer, 110 Sutter St., San Francisco.
Contractor—L. A. Hinson, 1228 Grove St., San Francisco.

Figures to Be Taken Next Week.
RESIDENCE Cost, $18,000
REDWOOD CITY, San Mateo Co., Cal.
Two-story frame and plaster residence and separate garage (10 rooms).
Owner—Mrs. Beeger.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.

Contract Awarded.
DWELLING Cost, $10,000
SAN FRANCISCO. W San Benito 250 N Monterey.
Two-story and basement frame dwelling.
Owner—L. K. Siverson, 1234 30th Ave., San Francisco.
Architect—Not given.
Contractor—Julius Berge, 1234 30th Ave., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $20,000
OAKLAND, Alameda Co., Cal.
Two-story brick residence (8 rooms).
Owner—J. Shoong.
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., S. F.
Figures are being taken for a general contract from a selected list of contractors.

Contract Awarded.
10 BUNGALOWS Cost, $——
SANTA ROSA, Sonoma Co., Cal. Mcdonal Ave., 7th and Spring Sts.
Ten one-story frame bungalows (bungalow court).
Owner—Mrs. Elizabeth Mc. G. Bennett.
Architect—Wm. H. Herbert, Santa Rosa, Cal.
Contractor—J. C. Lindsay, Santa Rosa.
Two of the buildings are now under construction.

Contracts Awarded.
RESIDENCE Cost, $27,799
ATHERTON, San Mateo Co., Cal. Lots 51, 52, 55, 56 Polhemus Tract.
1½-story frame and plaster residence.
Owner—Suzanne Perry.
Architect—E. L. Norberg, Balboa Bldg., San Francisco.
Contractor—L. Dioguardi, Dumbarton Ave., Redwood City.
Plumbing awarded to P. E. Brand, 78 Broadway, Redwood City, $2726.

Contract Awarded.
FRATERNITY HOUSE Cost, $15,475
BERKELEY, Alameda Co., Cal. No. 2731 Bancroft Way.
Two and one-half-story 19-room fraternity house.
Owner—Sigma Phi Bldg. Ass'n., Prem.
Architect—R. G. Officer, Berkeley Bank Bldg., Berkeley.
Contractor — Dinwiddie Constr. Co., Crocker Bldg., San Francisco.

Owner Taking Figures.
RESIDENCE Cost, $5000
SAN MATEO, San Mateo Co., Cal. San Mateo Park.
One-story 5-room frame residence (shake exterior).
Owner—Prof. Randall.
Architect—O. R. Thayer, 110 Sutter St., San Francisco

SCHOOLS

Plans Being Figured.
Bids Close July 8, 1922, 2 p.m.
GYMNASIUM Cost, $——
McARTHUR, Shasta Co., Cal.
Gymnasium building.
Owner—Fall River Joint Union High School District.
Architect—Ralph D. Taylor, Susanville.
See call for bids under official proposals.

Working Drawings Being Prepared. —Bonds Voted.
SCHOOL Cost, $110,000
REDDING, Shasta Co., Cal. East Side Grammar School.
Two-story Class C reinforced concrete school (10 rooms and an auditorium); reinforced concrete walls and corridors, steam heat system, etc.
Owner—Redding School District.
Architect—Woollett & Lamb, Hagelstein Bldg., Sacramento.

Plans Ready for Figures—Bids to Be Opened About July 15.
SCHOOLS Cost, $50,000 and $100,000 respectively.
GILROY, Santa Clara Co., Cal.
One-story 6-room frame school and a 14-room frame school.
Owner—Gilroy Grammar School District.
Architects—Wyckoff & White, Growers Bank Bldg., San Jose.

Contract Awarded.
SCHOOL Cost, $5112
MENLO PARK, San Mateo Co., Cal.
One-story frame school.
Owner—Menlo Park Grammar School District.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.
Contractor—Peter Jensen, San Francisco.

Plans Being Figured—Bids Close July 3, 1922, 7:30 P. M.
SHOP BLDG. Cost, $25,000
STOCKTON, San Joaquin Co., Cal. High School Grounds.
Brick, frame and concrete shop building and alter old shop building into girls' gymnasium.
Owner—City of Stockton.
Architect—Louis Stone, Belding Bldg., Stockton.
See call for bids under official proposal section in this issue.

Bids Opened.
SCHOOL Cost, $——
SANTA ROSA, Sonoma Co., Cal.
One-story frame and stucco school (4 classrooms and an assembly hall).
Owner—Lewis School District.
Architect — Norman B. Coulter, 46 Kearny St., San Francisco.
W. J. Meeker, 809 Orchard St., Santa Rosa, $19,593.
J. C. Lindsey, $22,000.

Low Bidder.
SCHOOL Cost, $——
DANVILLE, Contra Costa Co., Cal.
One-story frame and plaster school.
Owner—Danville School District.
Architect—Jas. T. Narbett, 910 Macdonald Ave., Richmond.
Low Bidder—C. R. Hook, Pacheco Rd., Walnut Creek.

Contract Awarded.
SCHOOL Cost, $131,306
PASADENA, Los Angeles Co., Cal. E. Colorado and Herkimer.
Three-story and basement brick Sunday School building, 111x171.
Owner—Pasadena Presbyterian Church.
Architect—Marston & Van Pelt, 600 Chamber of Commerce Bldg., Pasadena.
Contractor—Mebins-Jones Co., Rivers Bldg., Pasadena.

Plans Being Figured—Bids Close July 8, 1922, 8 p.m.
SCHOOL Cost, $20,000
KELSEYVILLE, Lake Co., Cal.
One-story reinforced concrete 4-room school.
Owner—Kelseyville School District.
Architect — Norman R. Coulter 46 Kearny St., San Francisco.
Plans may be obtained from the architect.

Contract Awarded.
BUILDING Cost, $15,000
OAKLAND, Cal. Mills College Grounds.
One-story chemistry building.
Owner—Mills College.
Contractor—Schuler & McDonald, 308 12th St., Oakland.

BARSTOW, Fresno Co., Cal.—Until June 30, 2.30 P. M., bids will be received by James Ross, clerk, Barstow School District, to construct 8-room and auditorium elementary school; estimated cost, $63,000. Ernest J. Kump Co., Rowell Bldg., Fresno, architects. **See call for bids under official proposal section in this issue.**

BERKELEY, Alameda Co., Cal.—Until June 29, 4 p.m., bids will be rec. by Clyde E. Blanchard, acting secty. Board of Education, 2133 Allston Way, to const. 1-story brick shops at Burbank School. Est. cost, $16,000. Walter H. Ratcliff, architect, 1st Natl. Bank Bldg., Berkeley. **See call for bids under official proposal section in this issue.**

BERKELEY, Alameda Co ,Cal.—Until June 29, 4 p.m., bids will be rec. by Clyde E. Blandchard, acting secty. Board of Education, 2133 Allston Way, to install steel lockers and chlorination and filtration plant in Berkeley High School gymnasium. Wm. C. Hays, 1st Natl. Bank Bldg., San Francisco, architect. **See call for bids under official proposal section in this issue.**

ARBUCKLE, Colusa Co., Cal.—Following bids received and rejected, as being too high, by Trustees of Johns Elementary School District to erect new school from plans of Architect Chester Cole, Waterland-Breslauer Bldg., Chico: L. S. Lewis, Colusa, (1) $9998: (2) $9805; H. W. Van Dorsten, Colusa, (1) 9310; (2) $9180; Stapple & Manning, (1) 9357; (2) $9100; White & Shalz, Chico, (1) $9300; (2) $9115. Plans will probably be revised and new bids asked.

A. E. Leitch Fred Clark

CLARK & LEITCH ROOFING CO.

Successors to E. S. Warner

Office and Warehouse:

1116 SECOND ST., SACRAMENTO

Phone Main 726

STOCKTON, San Joaquin Co., Cal.—The following bids were received on June 21 by the Stockton Board of Education for an eight-room Class C addition to the "North School" from plans prepared by Architects Davis-Heller-Pearce Co., Delta Bldg., Stockton, and for remodeling the "Grant School" from plans prepared by Architect Franklyn Warner, Belding Bldg., Stockton. All bids were taken under advisement.

General Contract—North School

R. W. Moller, Call Bldg., S. F.	$45,598
Davison & Nicolsen, Stockton and San Francisco	55,420
W. F. Coty	55,884
Shepherd & Riley, Stockton	56,142
Reilly & Nemetz, San Francisco	64,000

Mechanical Equipment (Plumbing, Heating, Electrical and Sheet Metal)

Miller-Hays, 125 N California St., Stockton	$13,040
Stockton Plumbing & Supply Co., Stockton	13,214

General Contract—Grant School

R. W. Moller, San Francisco	$36,200
W. G. Reed, Stockton	37,253
Shepherd & Riley, Stockton	39,998
Schutes & Zinck, Stockton	40,890
Davison & Nicolsen	42,320
H. E. Allen & J. A. Allen	42,880

Heating System

E. L. Gnekow, 647 E. Main St., Stockton	$4553
La Courrette-Fical Co., Sacramento	4767
Stockton Plumbing & Supply Co.	4810
Miller-Hays	5040

WELDON, Kern Co., Cal.—Wm. Eissler, Bakersfield, at $17,650 awarded contract by South Fork Union Grammar School District to erect 3-room cement block school, from plans of Architect J. M. Saffell, 924 19th St., Bakersfield. Other bidders: Augusta Zimmerman, $18,500; E. Kutzner ,$19,-200. All bidders Bakersfield.

SACRAMENTO, Cal.—Until July 3, 5 p.m., bids will be rec. by Chas. C. Hughes, secty. Board of Education, for fur. 100 to 500 movable school chair desks, and alternate bids for 500 or more movable chair desks. Samples to be submitted with bids. Blanks for bidding may be had from secty., Rm. 300 City Hall, Sacramento.

COLUSA, Colusa Co., Cal.—Until July 1, bids will be rec. by Trustees of Colusa School District to repair, paint and make alterations to old Colusa School. Spec. on file in office of Dr. C. A. Poage, Colusa.

KEENE, Kern Co., Cal.—Wm. Eissler, Bakersfield, at $6560 awarded contract by Keene School District to erect 1-room frame school, from plans of Architect J. M. Saffell, 924 19th St., Bakersfield. Other bidders: P. W. Paynes, $6695; Warden Jones Co., $9989; C. E. Kutzner, $6920. All bidders Bakersfield.

PORTERVILLE, Tulare Co., Cal.—Until July 5, 5 p.m., bids will be rec. by Allen F. Bullard, clerk Porterville Grammar School District, to paint exterior tin work and roof of Olive Street School. Spec. may be had from clerk at First Natl. Bank Bldg., Porterville.

EUREKA, Humboldt Co., Sal.—Until June 30, 5 p.m., bids will be rec. by Theo. Thomson, clerk (consolidated) Grant and Salt River School District, to const. 2-room frame school building bet Ferndale bridge and Salt River on main highway. Plans may be had from architect, Newton Ackerman, Eureka, on deposit of $10, returnable.

BURLINGAME, San Mateo Co., Cal.—Until July 5, 8 P. M., bids will be received by Mrs. J. M. Vickerson, Clerk, Burlingame Grammar School District, for inside finishing (painting separate) of two classrooms in Roosevelt School. E. L. Norberg, Architect, 407 Occidental Ave., Burlingame. **See call for bids under official proposal section in this issue.**

WATSONVILLE, Santa Cruz Co., Cal.—Until July 7, 8 15 p.m., bids will be rec. by T. S. MacQuiddy, secty. Watsonville Union High School District, to paint old high school building. **See call for bids under official proposal section in this issue.**

BAKERSFIELD, Kern Co., Cal.—Until July 1, 7:30 P. M., bids will be received by E. R. Long, Secretary, Board of Education, to construct two one-story frame and masonry schools—Williams and Emerson—separate bids for heating and finish hardware. Orville L. Clark, Brower Bldg., Bakersfield, Architect. **See call for bids under official proposal section in this issue.**

STOCKTON, San Joaquin Co., Cal.—Until July 3, 7:30 P. M., bids will be received by Ansel S. Williams, Clerk, Board of Education, to paint buildings at high school. Davis-Heller-Pearce Co., Delta Bldg., Stockton, Architects. **See call for bids under official proposal section in this issue.**

LOS ANGELES, Cal.—K. R. Bradley, 1925 E. 16th St., L. A., was low bidder at $306,000 on general contr. for erecting new high school at Roosevelt High School site, Boyle Heights; Hunt & Burns, 701 Laughlin Bldg., L. A., architects. Low bidders on other contracts were: F. J. Donnelly on plumbing at $21,960; Prewitt Electric Co. on wiring at $11,747; F. J. Donnelly on heating at $31,000; and Morgan-McCarthy Co. on painting at $7500. Twentysix rms., auditorium, 2-story and 3-story; 132x356 ft.; brick constr., stucco and terra cotta exter., steel rf. trusses, tile and comp. rfg., pine trim, maple floors, marble and tile work. The bids were: **General contract**—K. R. Bradley, $306,000; North Pacific Constr. Co., $306,328; Wm. A. Larkins, $309,572; Lange & Bergstrom, $313,950; Darrell Condley Co., $319,006; C. J. Kubach Co., $319,000; Clark Bros., $327,000; Mebius-Jones Co., $348,318; Willard-Brent Co., $350,300; Bavin & Burch Co., $356,969; L. A. Planing Mill Co., $370,396. **Plumbing**—F. J. Donnelly, $21,960; H. E. Murray, $21,980; Lohman Bros., $22,657; G. C. Sutton, $22,956; W. S. Goodrich, $23,130; So. Pasadena Plbg. Co., $23,468; Arthur Hess, $24,450. **Heating**—F. J. Donnelly, $31,000; Thos. Haverty Co., $31,470; Hoagland-Lakin Co., $31,864; Marshall-Lock Co., $32,489; Munger & Munger, $32,563; J. Hokom, $33,573; Frank Davidson, $33,777; W. P. McArthur, $31,180, Arthur Hess, $34,229; W. S. Goodrich, $35,464. **Wiring**—Prewitt Elec. Co., $11,747; Renard-Stary Elec. Co., $12,373; Newberry Elec. Corp., $13,200; American Elec. Constr. Co., $13,500; F. B. Potter, $15,957. **Painting**—Morgan-McCarthy Co., $7,500; A. Quandt & Son, $10,224; E. A. Lindgreen, $11,400; D. Zelinsky, $11,745; Arenz-Warren Co., $12,900; Dresher-Heinsbergen Co., $13,450; Alhambra Wall Paper & Paint Co., $13,750; R. Zelinsky, $13,900.

FLAGSTAFF, Ariz.—Until 3 p.m., July 7, bids will be rec. by Trustees of Flagstaff High School District for erecting new high school building at Flagstaff, Arizona. Norman F. Marsh, 211 Broadway Central Bldg., L. A., and V. O. Wallingford, Phoenix, Ariz., architects. Bids will be taken separately on general contr., heating, wiring, painting, plumbing and program clocks. Auditorium, classrooms, gym., manual training and domestic science depts.; brick constr., plas. exter., asbestos shingle rf., pine trim, pine and maple floors, steam heating; $175,000.

OAKLAND, Cal.—Bids were opened on June 19 by the Oakland Board of Education for general equipment work, including cabinet work, mill work, rough hardware, finished hardware, sheet metal work, miscellaneous iron work, glass and glazing, painting, gas and electric ranges, for the Alexander Hamilton Junior High School, located at 35th and Galindo St.

Schnebly & Hostrawser	$16,940
S. Kulchar	21,300

SANTA MONICA, L. A. Co., Cal.—J. F. Kobler, 918 W. 8th St., Los Angeles, awarded general contracts for both Central Grammar School and McKinley Grammar School buildings. His bid on the Central was $[illegible],902, and on McKinley School $7[illegible],996. Allison & Allison, 1405 Hibernian Bldg., L. A., archts. The bldgs. will contain 13 rms. ea., brick constr., plas. exter., with brick trim, clay tile roofs, pine trim, pine and maple fls., rein. conc. stairways and corridor fls. Other contracts awarded were: Sheet metal work to St. Louis Cornice Co., Los Angeles, at $1062 for Central and $998 for McKinley school. Composition roofing to Johns-Manville Co., Los Angeles, at $112.83 for each school. Tile roofing to J. A. Drummond, Los Angeles, at $4700 for Central and $3585 for McKinley school.

Heating, ventilating and plumbing will be awarded later.

MADERA, Madera Co., Cal.—Trine & Rector, Madera, at $10,963 awarded contract by Trustees of Howard School Districit to erect new school building. One other bid submitted.

SANTA CLARA, Cal.—The Board of Trustees of the Santa Clara High School District have awarded a contract to Robert Dalziel Jr., 218 First St., San Francisco, for the plumbing in the gymnasium building, $1397 rough plumbing and $2337 for fixtures. The shade contract was awarded to the Stewart Sales Co., Rialto Bldg., $1235.

BERKELEY, Cal.—University of California officials announced that Hearst Hall, which burned to the ground on June 20, was covered by insurance and will, in all probability, be rebuilt soon. Careful checking over the damage has placed the loss at approximately $200,000.

OAKDALE, Stanislaus Co., Cal.—Until July 3, bids will be rec. by Oakdale High School District for fur. and del. desks, commercial desks, teachers' desks, teachers' chairs, opera chairs, furniture for the Board of Education room, furniture for teachers' room, stage scenery and curtain.

SAN FRANCISCO.—Board of Public Works, on recommendation of City Architect John Reid Jr., has approved following sub-contracts awarded in connection with the Galileo High School, now under construction at Van Ness Ave. and Bay St.: Window fixtures, Hauser Window Co.; mill work to Fourth Street Planing Mill (San Jose); Robert Trost is general contractor.

Sub-contracts awarded as follows on temporary Mission High School building at 18th and Dolores, for which P. F. Reilly is general contractor: Lumber and mill work to Christensen Lumber Co.; blackboards to C. F. Weber & Co.; plumbing to E. Lacey & Co.; patent chimneys to Amsler Sheet Metal Works; roofing to J. W. Bender Roofing Co.; painting to W. J. Brown & Sons; doors and sash to California Door Co.; hardware to Palace Hardware Co.

LOST HILLS, Kern Co., Cal.—Bids will be received until July 3, 1922, at 7:30 P. M., by the Board of Trustees of the Lost Hills School District for painting interior and exterior of school, a new roof to be built over and suported by the old roof and for the erection and completion of a garage for the Lost Hills School.

LONG BEACH, Los Angeles Co., Cal.—W. G. Reed, 328 Loma Ave., L. A., was awarded gen. contr. at $48,590 on deductions for erecting the first unit of the Whittier Grammar School at 17th and Walnut Sts., Long Beach. Other awards were: F. D. Reed Co., plumbing, $3827; Arenz-Warren Co., painting, $2795; Williams Radiator Co., gas, steam heating, $1860; Acme Elec. Co., wiring, $817.76. John C. Austin and W. Horace Austin, assoc. archts.

STORES AND OFFICES

Plans Being Figured.
ALTERATIONS Cost, $——
SAN FRANCISCO. Fillmore near Sutter St.
Alter second floor of three-story building for offices.
Owner—Not given.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Plans Being Figured.
STORE Cost, $15,000
SAN FRANCISCO. SE Jessie and Sixth Sts.
Alter two-story store and loft building.
Owner—Not given.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Construction to Start the First Week of July.
OFFICE BLDG. Cost, $1,000,000
SAN FRANCISCO. NE Post and Powell Sts.
Ten-story and basement Class A office building.
Owner—William and Mary E. Fitzhugh, 352 Mills Bldg., San Francisco.
Architect—Reid Bros., 185 Montgomery St., San Francisco.
Contractor—P. J. Walker Co., Sharon Bldg., San Francisco.
Contracts have been awarded as follows:
Steel to The U. S. Steel Products Co., Rialto Bldg.
Excavating to A. J. Reeder, 180 Jessie St.
Concrete work to H. L. Peterson, Lick Bldg.

Plans to Be Prepared.
ADDITION Cost, $——
SAN FRANCISCO. SE Bush and Sansome Sts.
Two-story addition to four-story fireproof office building 97x97.
Owner—Continental Insurance Co. and Phoenix Fire Insurance Co. of New York.
Architect—Not selected.
The property has just been purchased and an architect will be selected shortly to prepare the plans for the addition and alterations.

Bids Opened.
OFFICE BLDG. Cost, $——
SAN FRANCISCO. Columbus Ave.
Two-story reinforced concrete Class C store, office and hall building.
Owner—Ed Cerruti.
Architect—P. Righetti & B. Hirschfeld, 12 Geary St.

G. Ciappa	$42,771.00
Walters & Grove	44,981.75
J. B. Pasqualetti	45,000.00
J. Sampson Co.	48,620.00
I. M. Sommer	48,889.00
Barrett & Hilp	49,900.00
Colman & Spiedel	50,400.00
Vukicevich & Bagge	51,500.00
J. Martinelli	51,650.00
Louis J. Cohn	51,900.00
Farnocchio & Co.	56,559.00

The above bids are for all work except the painting, which will be done by the owner.

Commissioned to Prepare Plans.
OFFICE BLDG. Cost, $1,000,000
SACRAMENTO, Cal. SW Tenth and J Sts.
Ten-story and basement Class A store and office building, 100x100 (terra cotta and granite finish). 250 offices and parking place for tenants' cars in basement.
Owner—California State Life Insurance Co., Marshall Diggs, president.
Architect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.

Preliminary plans Prepared.
MARKET BLDG. Cost, $500,000
SAN FRANCISCO. Eighth, Mission and Market Sts., 185 feet on 8th, 175 on Mission and 60 on Market.
One-story Class B market building.
Owner—Wm. Houghtling et als.
Architect—Weeks & Day, Phelan Bldg., San Francisco.
Contractor—George Wagner, 251 Kearny St., San Francisco.
Working drawings will be started as soon as all the leases are signed. The contract will be awarded to George Wagner on a percentage basis.

Plans Being Prepared—Contract Awarded.
OFFICE BLDG. Cost, $200,000
REDONDO BEACH, Los Angeles Co., Cal.
Two-story reinforced concrete store and office building (60 offices and 14 stores).
Owner—J. E. Forbes.
Architect—The Prudential Engineering and Construction Co., 616 Consolidated Realty Bldg., Los Angeles.

Official Proposals

BIDS WANTED FOR GYMNASIUM BUILDING

NOTICE TO BIDDERS

The Board of Trustees of the Fall River Joint Union High School District will receive sealed proposals at or before **2 P. M., Saturday, July 8, 1922,** at the High School Building, McArthur, California, at which time and place bids will be opened in public for the furnishing of material and labor for the erection of a Gymnasium Building and installation of a Heating Plant at McArthur, California, in accordance with plans and specifications prepared by Ralph D. Taylor, Susanville, California. Bids will be received separately for the following work:

1. General contract for building.
2. Electrical wiring.
3. Plumbing.
4. Heating.

All bids must be accompanied by a certified check for 10 per cent or more of the amount of the proposal. In case this proposal is accepted, in whole or in part, and the bidder fails to execute a contract for the performance of said work, and a bond of sufficient sureties in the sum of 100 per cent of the amount of the contract to secure the faithful performance thereof, within fifteen days after such acceptance, then this certified check shall be retained by the Board of Trustees of Fall River Joint Union High School District as liquidated damages for the failure to carry out this proposal. Such contract and bond shall be in such form and of such contents as shall be satisfactory to the Board of Trustees of said Fall River Joint Union High School District.

All bids to be made out on forms furnished with plans and specifications.

Plans and specifications may be obtained from Ralph D. Taylor, Susanville, California, or from R. E. Dunlap, McArthur, California, member of said Board of Trustees.

A deposit of Ten Dollars will be required from all contractors receiving plans—said deposit to be refunded when plans and specifications are returned in good condition.

The Board of Trustees reserves the right to reject any or all bids and to waive any informality in any bid received.

By order of the Board of Trustees of the Fall River Joint Union High School District, McArthur, California.

By GEORGE H. TAYLOR,
Clerk, Fall River Mills, California.
Dated June 10, 1922.

NOTICE TO CONTRACTORS

(Sutter County Courthouse Alterations)

Sealed proposals will be received by the Board of Supervisors of Sutter County, at the rooms of said Board of Supervisors, in the Court House, in Yuba City, California, **up to and not later than 2 o'clock P. M. on Wednesday, the 5th day of July, 1922.**

Proposal No. 1:

For building an addition to the Court House and remodeling the Tax Collector's and Treasurer's Office, according to plans and specifications filed with said Board of Supervisors on the 5th day of June, 1922.

Proposal No. 2:

For building a four-room office building, according to plans and specifications filed with said Board of Supervisors on the 5th day of June, 1922.

Bids will be received separately, and also bidders may bid upon Proposal No. 2 in the manner set forth in the specifications therefor.

Each bid shall be accompanied by a certified check in at least 10 per cent of the amount of the bid, as required by and subject to the conditions provided in the plans and specifications.

Plans and specifications may be obtained at the office of the Clerk of this Board, and may also be obtained from Cope, Rand Means Co., 58 Sutter Street, San Francisco, Cal. A deposit of $20.00 will be required on each set of plans and specifications taken, which deposit will be forfeited unless plans and specifications are returned in good condition within ten days.

By order of the Board of Supervisors of the County of Sutter, State of California.

Attest:
(Seal). ALBERT B. BROWN,
Clerk of said Board.

> A call for bids published in this section indicates that bids are desired from other than local bidders. Maximum competition is desired, and this is assured through BUILDING AND ENGINEERING NEWS which reaches every worth-while contractor and materialman in Central and Northern California who bids on public work.
>
> **Rate:** 10 cents per line, per insertion.
>
> All official calls for bids of the California State Highway Commission and Nevada State Highway Commission are published in this section.

NOTICE TO CONTRACTORS FOR THE CONSTRUCTION OF SHOPS AT THE BURBANK SCHOOL.

The Board of Education of the City of Berkeley and of Berkeley School District in the County of Alameda, State of California, invites and the undersigned will receive at his office, 2133 Allston Way, Berkeley, California, up to the hour of **4 o'clock p.m., Thursday, June 29, 1922,** sealed proposals for furnishing the necessary materials, tools, and labor for the doing of certain work as set forth below for the construction of shops at the Burbank School, situated on the south side of University Avenue, between Curtis Street and Bonar Street, in the City of Berkeley, in accordance with plans and specifications adopted by said Board of Education on Tuesday, June 13, 1922, and now on file in the office of Walter H. Ratcliff, Architect, First National Bank Bldg., Berkeley, California.

Copies of said plans and specifications may be obtained from the office of said Walter H Ratcliff, Architect, upon depositing the sum of Ten ($10.00) Dollars, and must be returned within five (5) days to the said Walter H. Ratcliff, or the said deposit may be forfeited and turned into the treasury of the Board of Education.

Bids must be on blank forms furnished and obtained from said Walter H. Ratcliff, as prepared by Walter H. Ratcliff. Work on the above contract must commence within 48 hours from notification of the Board of Education to commence said work and be diligently prosecuted until completion thereof, unless otherwise ordered by said Board of Education and architect.

The successful bidder will be required to furnish a surety bond acceptable to the Board of Education in a sum not less than twenty-five (25%) per cent of the contract price, guaranteeing the faithful performance of the contract; also a bond in a sum not less than fifty per cent (50%) of the contract price, guaranteeing the payment of all claims for labor employed or materials used in the construction of said shops, as provided by an Act of the Legislature of the State of California entitled "An Act to Secure the Payment of the Claims of Materialmen, Mechanics or Laborers, Employed by Contractors upon State, Municipal or other Public Work, approved March 27, 1897," and must carry adequate insurance or give bonds indemnifying the Board of Education against liability for compensation provided by "Workmen's Compensation Insurance and Safety Act, approved May 26, 1913," satisfactory to the said Board of Education.

All bids must be accompanied by a cash deposit or a certified check on a responsible bank and payable to the Board of Education for an amount equal to ten per cent (10%) of the amount bid.

If the bidder to whom the contract is awarded shall for five (5) days after such award fail or neglect to enter into a contract and file the required bonds for the faithful performance of the contract and the furnishing of materials and labor, the cash deposit or certified check of said bidder may be declared forfeited to the Board of Education and shall be collected and paid into the General Fund of said Board of Education.

The Board of Education reserves the right to reject any and all bids.

By order of the Board of Education of the City of Berkeley, Alameda County, State of California, June 13, 1922.

CLYDE BLANCHARD,
Acting Secretary, Board of Education

NOTICE TO CONTRACTORS

(Barstow School)

NOTICE IS HEREBY GIVEN That the Board of Trustees of the Barstow Schol District ot the County of Fresno, State of California, will receive sealed bids for the furnishings of all labor, materials and appliances necessary in the erection and completion of an elementary school building, including works, according to plans and specifications, Job. No. 904, as prepared by the district's architects, the Ernest J. Kump Co. of the City of Fresno, and in strict accordance with bids and alternate bids asked for in specifications.

Said sealed bids will be received **up to and including 2.30 P. M. of the 30th day of June, 1922,** by the undersigned clerk of the board.

Said sealed bids must be accompanied by a certified check, cashier's check or bidder's bond in a sum at least equal to 10 per cent of the amount of bid to do the work mentioned, and made payable to the undersigned clerk of the board as a guarantee that the bidder wil execute the proper contract and bonds in case the contract is awarded to him or them by reason of his or their bid.

Plans and specifications may be secured at the offices of the district's architects, the Ernest J. Kump Co., 207-8 Rowell Bldg., Fresno, Cal., and all bids are to be made out on blank forms furnished by the architects. Time will be the essence in the award of the contract.

The successful bidder will have to give a satisfactory bond in the sum of 50 per cent, covering labor and materials and an additional 10 per cent bond for faithful performance of contract, as fully set forth in specifications.

Said Board of Trustees of the Barstow School District, as owners, reserve the right to reject any and all bids, or alternate bids or any part or parts of any bids and reject the balance thereof, and to waive any informality in any bids or alternates received.

All bids to be addressed to James Ross, Clerk of the Board, Route K, Box 255, Fresno, California.

By order of said Board of Trustees
JAMES ROSS,
Clerk of the Board.

NOTICE TO THE CONTRACTORS FOR FURNISHING AND INSTALLING STEEL LOCKERS AND A CHLORINATION AND FILTRATION PLANT IN THE BERKELEY HIGH SCHOOL GYMNASIUM.

The Board of Education of the City of Berkeley and of Berkeley High School District in the County of Alameda, State of California, invites and the undersigned will receive at his office, 2133 Allston Way, Berkeley, California, **up to the hour of 4 o'clock P. M., Thursday, June 29, 1922,** sealed proposals for furnishing the necessary materials, tools and labor for the furnishing and installing steel lockers and a chlorination and filtration plant in the Berkeley High School Gymnasium, situated on a plot of ground bounded by Grove Street, Bancroft Way, Milvia Street and Channing Way, in the Berkeley High School District, Berkeley California ,in accordance with plans and specifications adopted by said Board of Education on June 13, 1922, and now on file in the office of the said Board of Education, 2133 Allston Way, Berkeley, California. Sealed proposals must be filed for each portion of the work as set forth above.

Copies of said plans and specifications may be obtained from the offices of William C. Hays, 1325 First National Bank Building, San Francisco, California, upon depositing the sum of Ten ($10.00) dollars cash. Plans and specifications must be returned within six (6) days from the date of receipt or said deposit may be forfeited. Deposit will be forfeited on any plans not returned to Architect on or before 4 o'clock P. M., July 1, 1922.

Bids must be on blank forms furnished by and obtained from said William C. Hays. Work on any of the above segregated contract must commence within 48 hours from notification of the Board of Education to commence said work, and be diligently prosecuted until completion thereof, unless otherwise ordered by said Board of Education and the Architect.

The successful bidder will be required to furnish a surety bond acceptable to the Board of Education in a sum not less than twenty-five (25%) per cent of the contract price, guaranteeing the faithful performance of the contract; also a bond in a sum not less than (50%) per cent of the contract price, guaranteeing the payment of all claims for labor employed or materials used in the above mentioned work as provided by an Act of the Legislature of the State of California entitled "An Act to Secure the Payment of Claims of Material-men, Mechanics or Laborers Employed by Contractors upon State, Municipal or other Public Works, Approved March 27, 1897," and must carry adequate insurance or give bonds indemnifying the Board of Education against liability for compensation provided by "Workingmen's Compensation Insurance and Safety Act, approved May 26, 1913," satisfactory to the said Board of Education.

All bids must be accompanied by a cash deposit or a certified check on a responsible bank and payable to the Board of Education for an amount equal to (10%) per cent of the amount of the bid.

If the bidder to whom the contract is awarded shall for five (5) days after such an award fail or neglect to enter into a contract and file the required bonds for the faithful performance of the contract and the furnishing of materials and labor, the cash deposit or certified check of said bidder may be declared forfeited to the Board of Education and shall be collected and paid into the General Fund of said Board of Education.

The Board of Education reserves the right to reject any and all bids.

By order of the Board of Education of the City of Berkeley and Berkeley High School District County of Alameda, State of California.

CLYDE BLANCHARD,
Acting Secretary of said Board of Education.

NOTICE TO CONTRACTORS

(School Finishing and Painting)

Notice is hereby given that the undersigned trustees of the Burlingame Grammar School District San Mateo County California will receive sealed bids at the Howard Avenue School, Burlingame, for the inside finishing (painting separate figures) of two class rooms in the Roosevelt School in said district **up to the hour of eight (8) o'clock P. M., on Wednesday, the 5th day of July, 1922,** at which said time and place said bids will be publicly opener.

All bids must be addressed to Mrs. J. M. Vickersen, Clerk of the Board, and must be accompanied by a certified check made payable to the order of aforesaid clerk in amount equal to at least ten (10) per cent of the largest bid so submitted, and no proposal will be considered by said Board unless accampanied by such check.

The said check to be forfeited to said Burlingame Grammar School District, as ascertained and liquidated damages in case the successful bidder fails or refuses to enter into a contract to perform the work, and give the bonds required within ten days after the date of the award.

The plans and specifications for said works may be obtained from E. L. Norberg, Architect, 407 Occidental Avenue, Burlingame.

The said Board of Trustees expressly reserves the right to rejeect any and all bids.

Done by order of the Board of Trustees of the Burlingame Grammar School District, County of San Mateo, State of California.

RUFUS H. KIMBALL, Trustee,
F. H. THRALL, Trustee,
MRS. J. M. VICKERSON,
Clerk of Board of Trustees.

NOTICE TO BIDDERS ON HIGH SCHOOL PAINTING

Notice to bidders is hereby given that bids on High School painting of Main Building outside wood work, pergola, Science Building exterior, and Tank House exterior, as per specifications on file at the office of the Superintendent of Schools on Lindsay and San Joaquin streets, will be opened on **Monday, July 3, 1922, at 7:30 P. M.,** at said Superintendent's office. Plans and specifications may be obtained at the office of Davis-Heller-Pearce Company in the Delta Bldg., Stockton, Cal.

The High School Board reserves the right to reject any or all bids.

A certified check for 10 per cent of the amount bid must accompany said bid.

Dated Saturday, June 17, 1922.
By order of the High School Board.
By ANSEL S. WILLIAMS, Clerk.

NOTICE TO CONTRACTORS

(Williams and Emerson Schools)

NOTICE is hereby given that sealed bids will be received by the Board of Education of the Bakersfield School District, County of Kern, State of California, **up until 7:30 P. M., on the 1st day of July, 1922,** at which hour they will be opened at the office of the Board of Education of the Bakersfield School District, Room 3 City Hall, Bakersfield, California, for the furnishing of all materials and labor necessary to build and complete the following: first, a one-story masonry and frame school unit at the Williams School.

Second—A one-story masonry and frame school unit at the Emerson School.

Third—Separate bids will be received for heating on each of the above two schools.

Fourth—Separate bids will be received for finished hardware on each of the above two schools.

Bids will be submitted in accordance with the plans and specifications now on file with the Clerk of said Board, Room 3, City Hall, or with the Architect, Orville L. Clark, having offices in the Brower Building, Bakersfield, California.

Each bid shall be made out on a form to be obtained at the Architect's or Secretary's office and must be accompanied by a certified or cashier's check in the amount of ten per cent (10%) of bid, made payable to the order of E. R. Long, Secretary of the Board of Education of the Bakersfield School District.

The above mentioned check shall be given as evidence that the bidder will enter into a contract if awarded the work and will be declared forfeited if the successful bidder refuses to enter into said contract after being requested to do so by the Board of Education. The successful bidder will be required to furnish two bonds satisfactory to the Board of Education of the Bakersfield School District, one covering an amount equal to fifty per cent (50%) of the contract price and the second equal to twenty-five per cent (25%) of the contract price.

A deposit of ten dollars ($10.00) is required for all drawings, which will be returned when the drawings are returned.

The Board reserves the right to reject any or all bids.

By order of the Board of Education of the Bakersfield School District.

Dated this 15th day of June, 1922.

MRS. HARRIET PEACOCK,
Board of Education, President.
E. R. LONG, Secretary

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on July 17, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Plumas and Lassen Counties, between Chester Grade and N. E. ¼ of Section 3, T. 28 N., R. 9 E., M. D. B. & M. (II-Plu-29-A and II-Las-29-A), about eleven and three-tenths (11.3) miles in length, to be graded.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
R. A. MURRAY, Secretary.

Dated June 19, 1922.

NOTICE INVITING BIDS

(Isolation Building)

Notice is hereby given that sealed bids will be received by the Clerk of the Board of Supervisors of San Joaquin County, California, at the office of said Board, in the City of Stockton, until **10 o'clock a.m. of Monday, July 10, 1922,** for the construction of a brick isolation building at the San Joaquin General Hospital at French Camp in accordance with plans and specifications prepared by Architect Ralph P. Morrell and adopted and filed by the Board of Supervisors June 19, 1922, and to which bidders are particularly referred.

Duplicate plans and specifications may be obtained at the office of the Board of Supervisors upon depositing the sum of $10.00 to insure the prompt return of same on or before the expiration of ten days.

All bids must be presented in sealed envelopes addressed to the Board of Supervisors and marked "Proposals for the construction of a brick isolation building at the San Joaquin General Hospital at French Camp, California."

All proposals must be accompanied by United States currency or certified check made payable to the chairman of the said Board of Supervisors in the sum of 10 per cent of the amount of the bid, or by a bond for such amount, and two bonds, each equal in amount to 50 per cent of the contract price, will be required of the successful bidder.

The Board reserves the right to reject any or all bids.

By order of said Board, made June 19, 1922.

EUGENE D. GRAHAM, Clerk.
By S. A. CARTER, Deputy Clerk.

NOTICE TO BIDDERS

(School Painting)

The Trustees of the Watsonville Union High School District solicit sealed bids for the painting of the Old High School Building. Specifications may be had at the office of the High School building, corner East Third and Lincoln streets

Bids will be received up to **Wednesday, July 5, at 8:15 p.m.** Mark all bids "Paint Bid" and address: Secretary, Watsonville Union High School Board, Watsonville, California.

The Board reserves the right to reject any and all bids.

Signed:
Watsonville Union High School Board.
Per T. S. MacQuiddy, Secretary.

NOTICE TO BIDDERS ON HIGH SCHOOL CONSTRUCTION WORK

Notice to bidders is hereby given that bids on high school addition to shop building and alterations of the present wood shop for gymnasium purposes, as per plans and specifications on file at the office of the Superintendent of Schools, corner Lindsay and San Joaquin streets, will be opened **Monday, July 3, 1922, at 7:30 P. M.,** at said Superintendent's office. Plans and specifications may be obtained at the office of Louis S. Stone, Architect, Belding Bldg., Stockton, Cal.

The High School Board reserves the right to reject any or all bids.

A certified check for 10 per cent of the amount bid must accompany said bid.

Dated Saturday, June 17, 1922.
By order of the High School Board.
By ANSEL S. WILLIAMS, Clerk.

BIDS WANTED

(Reedley High School Buildings)

The Board of Trustees of the Reedley Joint-Union High School District hereby invites sealed proposals for the furnishing of labor and materials and the erection and completion of a group of High School Buildings on the property owned by the District in the City of Reedley, Cal., according to plans and specifications as prepared by the District's Architect, Norman F. Marsh.

Bids for the various units as follows:

General Contract embracing all the work included in the plans and specifications except Painting, Plumbing, Program Clocks, Heating and Ventilation and Electrical Work.

Segregated bids as follows:

"A"
(1) Concrete and Cement work.
(2) Excavation and Carpentry.
(3) Mill work and Glazing.
(4) Finished floors.

"B"
(1) Brick and labor.
(2) Terra Cotta Tile and labor.
(3) Stone Tile and labor.
(4) Common Brick f. o. b. job.
(5) Terra Cotta Tile f. o. b. job.
(6) Stone Tile f. o. b. job.

"C"
(1) Reinforcing Steel.
(2) Structural and Ornamental Iron.

"D"
(1) Composition Roof.
(2) Clay Tile Roof.
(3) Asbestos Slate Roof.

"E"—Plumbing.
"F"—Heating and Ventilation.
"G"—Galvanized iron & Sheet metal.
"H"—Lath and Plastering.
"I"—Electric Wiring.
"J"—Painting.
"K"—Blackboards in place.
"L"—Finish Hardware f. o. b. job.
"M"—Patent Window Hardware f. o. b. job.
"N"—Program Clock and Bells.
"O"—Shades for Darkening.
"P"—Magnesite Composition.
"Q"—Cafeteria Kitchen Equipment.
"R"—Refrigerator.

NOTE: Contractors may bid on any item or any number as they may desire.

Plans for the General Contract; Electric Wiring; Heating and Ventilation; Painting; Plumbing, and Program Clock may be had from Norman F. Marsh, Architect, Suite No. 211 Broadway Central Building, Los Angeles, Cal. The same may be had from: Trewhitt & Shields, Rowell Building, Fresno, Cal.; who will also receive the other segregated bids as indicated by the foregoing list.

All bids must be made on uniform bid blanks furnished by the Architect and Trewhitt & Shields and each item covering the various units of the several buildings to be filled out.

A deposit of Fifty ($50.00) dollars will be required for the plans and specifications of the General Contract and Twenty-five ($25.00) for the segregated contracts. This deposit to be refunded on the return of the plans and specifications accompanied with a bona-fide bid.

All bids must be sealed and delivered to Hon. Marion Deneen, Clerk of the Reedley Joint-Union High School District, on or before **8 P. M. Friday, June 30th, 1922,** and will be opened immediately thereafter in public.

All bids must be accompanied with a certified check or bid bond for five per cent (5%) of the total amount of bid, made payable to the Reedley Joint-Union High School District.

Successful bidders will be required to execute bonds to the amount of seventy-five per cent (75%) of the contract price and will also be required to present evidence of Compensation Insurance carrier before contracts will be executed for the District.

The Board of Trustees of the Reedley Joint-Union High School District reserves the right to reject any or all bids.

Done by order of the Board of Trustees of the Reedley Joint-Union High School District.

MELVIN PETTIT, President.
Attest: MARION DENEEN, Clerk.

BIDS WANTED FOR SIX ORDNANCE BUILDINGS, ETC., AT PEARL HARBOR

NOTICE TO CONTRACTORS

SEALED PROPOSALS, indorsed "Proposals for Ordnance Buildings, Pearl Harbor, Hawaii, Specification No. 4566," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock A. M., August 2, 1922, and then and there publicly opened, for six ordnance buildings, railroad track and water main extensions, at the Naval Operating Base (Ammunition Depot, Kuahua), Pearl Harbor, T. H. Each building will have concrete foundations and floor base. The war-head storehouse, torpedo storehouse and extension to main storage building will each have stuccoed hollow tile walls, wood roof deck and built-up roofing, steel sash, and a crane runway and crane. Ignition and storehouse will have stuccoed hollow tile walls, concrete roof deck and built-up roofing and asphalt mastic floor finish on the concrete base. Pyrotechnical storehouse and storehouse for small arms ammunition will be similar in construction and will have steel roof and wall framing covered with corrugated protected sheet metal and wood finish flooring on concrete base. Drawings and specification No. 4566 may be obtained on application the Bureau to the Commandant, Navy Yard, Mare Island, Calif., or to the Commandant, Naval Operating Base, Pearl Harbor, T. H. Deposit of a check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification. L. E. GREGORY, Chief of Bureau. April 21, 1922.

NOTICE TO BRIDGE CONTRACTORS

(STEEL BRIDGE)

Yreka, Siskiyou County, Calif., June 8th, 1922.

Pursuant to the order of the board of supervisors of the County of Siskiyou, State of California, sealed bids will be received until **ten o'clock a.m., Monday, July 3rd, 1922,** by W. J. Neilon, clerk of the board of supervisors, at his office in the hall of records in Yreka, said county and state, for the construction of a steel bridge of two spans, one span 80 feet and one span 64 feet, also for 60 feet of approach and fill at each end of bridge.

Alternate bids will be received for the following three types of steel bridge:

Pratt steel pin connected truss;
Pratt steel riveted pony truss; and
Curved chord riveted truss.

Said bridge to be erected over Scott river at the "Goodale crossing" in Scott River road district, said county and state

Said bridge to be constructed in accordance with the plans and specifications adopted therefor and on file in the office of the county clerk. (Secure copies of the plans and specifications from H. J. Sarter, County Surveyor, Yreka, Calif.)

All bids to be sealed and accompanied by a certified check of at least ten per cent of the amount of bid.

Bids to be endorsed: "Bids for building Goodale Bridge" and addressed to W. J. Neilon, County Clerk, Yreka California.

By order of the Board of Supervisors.
(Seal) W. J. NEILON,
Clerk of the Board of Supervisors.

NOTICE TO CONTRACTORS

(Siskiyou High School)

The Board of Trustees of the Siskiyou Union High School invites bids of contractors for the construction of a High School Building on a site owned by the said district at Fort Jones, California. Plans and specifications for this building may be obtained at the office of said Board in the High School Building in Yreka. One copy of said plans and specifications will be kept on file at said office and be consulted there.

Separate bids will be accepted upon plumbing and heating, another for electric wiring; all other work will be under the general contract.

The Board reserves the right to reject any and all bids.

Certified check for 10% of the amount bid must accompany all offers of contractors. This is to insure the carrying out of the contract in case it is awarded and will be returned to the successful bidder on completion of bonds required to assure the construction of the building. Checks of unsuccessful bidders will be returned immediately upon the rejection of their bids.

Sealed bids will be received by Leila E. Steele, Secretary, up to **ten o'clock A. M., July 1st, 1922.** All bids will be opened at this time.

BOARD OF TRUSTEES OF THE SISKIYOU UNION HIGH SCHOOL.
By LEILA E. STEELE.
Secretary.

BIDS WANTED FOR TEXAS P. O.

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Office Supervising Architect, Washington, D. C., June 6, 1922—SEALED PROPOSALS will be opened in this office at 3 P. M., July 11, 1922, for the construction, including mechanical equipment of the United States Post Office at Gilmer, Texas. "Proposals will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and who have established a record for expedition on contracts of similar character and magnitude. The fact that any concern obtains a set of plans and specifications from any source whatever and submits a bid shall not constitute a waiver of the foregoing stipulations." Drawings and specifications may be obtained from the custodian of the site at Gilmer, Texas, or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

(Continued on Page 34)

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

NAPA, Napa Co., Cal.—Until July 11, 10 A. M., bids will be received by James A. Daly, county clerk, to construct 24-ft. reinforced concrete girder bridge and retaining walls, etc., in Pope Valley, Rd. Dist. 3, near Barnett Ranch. O. H. Buckman, county surveyor.

PRESCOTT, Ariz.—S. P. Gillis Engineering Co., P. O. Box 454, Phoenix, Ariz., awarded contr. at $79,784 for constructing conc. dam in Banning Creek to impound water for city, involv. 800 cu. yds. rock excav. at 73c yd. and 9600 cu. yds. cyclopean masonry at $8.25 yd. The dam will be a straight gravity type dam, 65 ft. high with vertical upstream face. Other bids were: K. S. Littlejohn, Tucson, excav. $2.50; conc. $9.99; total, $97,904. Wm. Simpson Constr. Co., Los Angeles, excav. $2.50, conc. $9.999; total, $97,904. H. J. Mann, Tucson, Ariz., excav. $1, conc. $10.20; total, $98,720. H. Galbraith, Jerome, Ariz., excav. $1.50, conc. $10.45; total, $101,520. V. A. Thompson, Phoenix, Ariz., excav. $3, conc. $10.85; total, $106,560. Lachmet Contr. Co., Albuquerque, N. M., excav. $3, conc. $11; total, $109,920. B. B. Boyd, E. San Diego, excav. $2, conc. $14.50; total, $140,800; C. H. Hudson, Los Angeles, excav. $4, conc. $15.20; total, $149,120. W. A. Bechtel of San Francisco submitted bid on alterate design.

SAN ANDREAS, Calaveras Co., Cal.—Until July 3, 4 p.m., bids will be rec. by A. W. Poe, county clerk, to const. rein. conc. bridge over Coyote Creek at Vallecito; also for making about 460-yd. fill for approach. Spec. may be had on deposit $5. W. S. Coulter, county surveyor.

REDONDO BEACH, Cal.—Until 8 p. m., July 3, bids will be received by city trustees for construction of two rock jetties and three wooden jetties on Ocean Front. Plans and specifications on file with city engineer. Cert. chck. or bond, 10%. Harry Polglase, city clerk.

SAN JOSE, Santa Clara Co., Cal.—Jno. W. Williams, at $3,582 awarded contract by supervisors to construct reinforced concrete bridge on Cadwallader avenue, over dry creek in Supervisor District 2. Other bidders: Arthur W. Biggers, $3690. W. R. Lomax, $5,500. William Martin, $3965. Frank Bryan, $3840. Estimate of County Surveyor I. J. Ryder, $3,960.

SANTA JOSE, Santa Clara Co., Cal.—Until July 10, 11 a. m., bids will be received by Henry A. Pfister, county clerk, to construct two reinforced concrete culverts on Burchell road in Supervisor District 1.

Separate bids, same date, to construct reinforced concrete culvert on Pomeroy avenue, over Callabases creek in Supervisor District 4. Spec. on file in office of clerk. Irving J. Ryder, county surveyor.

YUBA CITY, Sutter Co., Cal.—Until July 10, 10 a.m., bids will be rec. by Supervisors to const. bridges as follows:

Rein. conc. bridge No. 1, over main canal (Snake River) of Reclamation District No. 2054, 37 ft. long, 22 ft. wide. Est. cost, $3000.

Rein. conc. bridge No. 2, 37 ft. long, 22 ft. wide, across main canal of Reclamation District No. 2054. Est. cost, $3000.

Rein. conc. bridge No. 3, 37 ft. long, 22 ft. wide, across main canal of Reclamation District No. 2054. Est. cost, $3000.

Rein. conc. bridge No. 4, 26 ft. long, 22 ft. wide, across main canal Reclamation District No. 2054, at intersection with Live Oak-Pennington road. Est. cost, $3000.

Edward von Geldern, county surveyor.

SANTA BARBARA, Santa Barbara Co., Cal.—Plans and specifications for various contracts in connection with repair work on Gibraltar dam are on file at the office of City Engineer George Morrison. The work to be let includes furnishing and hauling cement, screening and washing gravel near dam, hauling of gravel and sand to top of dam requiring about 80 light trucks. About 4000 sq. yds. rock excavation will be done. Quinton, Code & Hill, Hollingsworth Bldg., Los Angeles, Engineers. Construction will begin early in July.

LOS ANGELES, Cal.—Until 10 a.m., July 7, bids will be rec. by Harbor Commission, Rm. 33, City Hall, for four piers for Badger Ave. bascule bridge. Spec. 336. Cert. check or bond, 10%. Est. quantities for this work are: 257 Douglas fir piles for each pier, 12 tons rein. steel, 1700 cu. yds. conc. Excav. being done under another contr. to save time. Straus Bascule Bridge Co., 225 Michigan Ave., Chicago, is preparing plans (costing $35,000) for a Straus type bascule bridge with 200 ft. opening, contr. for which will be let as soon as piers are in.

WASHINGTON, D. C.—Daniel Contracting Co., 503 Market St., San Francisco, awarded contract by Bureau of Yards and Docks, Navy Department, under Spec. 4653, for additional riprapping of Dike 12, at Mare Island Navy Yard; $1.90 per ton for riprap stone, deposited in place. Est. cost, $34,200. Time for completion, 180 days.

LONG BEACH, Cal.—U. S. engineers and State Highway Commission have approved plans for a steel and concrete bridge, 400 feet long, to span Alamitos Channel in place of the present wooden bridge. The new bridge will cross channel at a different angle, exteding due east from Second St., crossing newly filled Belmont Shores Tract. The structure will have balustrades with ornamental lights and movable center span.

SAN DIEGO, Cal.—de Waard & Cobham, Granger Bldg., San Diego, submitted low bid to Council for reflooring 30th St. bridge at $9845. Other bids were: Carter & Crance, $9987; Edward D. Barclay, $10,678 and Fred W. Steffgen, $12,390. On recommendation of the city eng., all bids were rejected and the city will do work by day labor.

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SAN DIEGO, Cal.—W. G. Wood of Healy-Tibbetts Constr. Co., 9 Main St., San Francisco, has been in San Diego, securing data for plans which this company is preparing for 1000 ft. mole type pier to be built north of the Broadway dock, an 800-ft. pier, and an apron along a section of the seawall. Plans will be submitted to harbor commission within 30 days.

SANTA ROSA, Sonoma Co., Cal.—Until July 11, 12 M., bids will be rec. by W. W. Felt Jr., county clerk, to const. bridge over Brooks Creek on Santa Rosa and Knight's Canyon Rd. in Third Supervisor District. Class B (including rein. steel), 51 cu. yds. bridge timber, 9249 F. B. M. Est. cost, $2015.

Separate bids, same date, to const. two rein. conc. bridges on Sebastopol-Freestone highway in Second Supervisor District, involv. (bridge at Station 143+69) 95.5 cu. yds. Class A conc.; 16.8 cu. yds. Class A pavement; (bridge at Station 157+14)) 92.7 cu. yds. Class A concrete; total est. cost, $5655. R. Press Smith, county surveyor.

OLYMPIA, Wash.—Until July 11, 10 a.m., bids will be rec. by State Highway Commission to const. steel bridge with concrete abutments and approaches over the Snake River at Central Ferry on the Inland Empire Highway in Whitman and Garfield Counties. Federal Aid Project No. 98, involv. 3000 cu. yds. excavation for substructure; 4270 cu. yds. conc.; 210,000 lbs. rein. steel, and 1,900,000 lbs. structural steel.

IRRIGATION PROJECTS

SAN BERNARDINO, Cal.—A project to utilize the waters of Lake Arrowhead for domestic and power purposes is being promoted by chambers of commerce in San Bernardino, Redlands, Colton and Riverside, which have appointed a committee to report on the matter. The Lake Arrowhead Co. will join in the enterprise as the Veltor Valley side of the mountains can be irrigated from the Mojave river, on which it is proposed to construct a dam at the west fork, leaving all waters of the lake for San Bernardino valley. Estimated cost, including power plants, etc., $2,000,000.

LIGHTING SYSTEMS

SACRAMENTO, Cal.—Until June 29, 9 p.m., bids will be rec. by H. G. Denton, city clerk, to install 22 No. 700 Marbelite electroliers in Lighting District No. 10. Spec. on file in office of clerk. Albert Givan, city eng.

MACHINERY

RED BLUFF, Tehama Co., Cal.—Until July 6, 8 P. M., bids will be received by Edith K. Gans, clerk, Red Bluff Union High School District, for furnishing one Ford touring car, equipped with speedometer, starter, demountable rims, extra tire and governor; and one Dodge Bros., Screen Delivery car with extra cord tire and governor.

BAKERSFIELD, Kern Co., Cal.—Until June 30, bids will be rec. by A. J. Alexander, clerk South Fork Grammar School District, for fur. and del. passenger bus for transporting pupils, seating capacity, 20 persons.

ALHAMBRA, Cal.—Until 5 p.m., July 3,bids will be rec. by city clerk for cast iron b. and s. class B water pipe in 12-ft., 16-ft or 5-metre lengths, and Class D fittings. Quantities as follows. 1320 ft. 6-in., 860 ft. 8-in., 2 8x4-in. crosses (4 bells); 2 6x4-in. crosses (4 bells; one 6x4 tee (3 bells); 6 4-in. ties (3 bells). Also 6171 ft. 4-in. Class B c. i. water pipe under other spec. Spec. from Grant M. Lorraine, city mgr. Cert. check or bond for 25%.

HANFORD, Kings Co., Cal.—Until June 27, 3 p.m., bids will be rec. by Minnie E. Beckett, clerk Tenemuir School District, for fur. motor truck or bus for transporting school pupils; seating capacity, 25 persons. Spec. on file in office of County Supt. of Schools at Hanford.

SEAL BEACH, Cal.—City Council has decided to purchase a machine to make water connections while mains are under pressure. One thousand feet heavy hose was also ordered for water dept.

SAN JOSE, Santa Clara Co., Cal.—Until July 3, 11 a.m., bids will be rec. by Henry A. Pfister, county clerk, for fur. and del. one 12-ton motor roller with 2-cylinder opposed engine, 2 gearing speeds both forward and reverse, force feed lubrication, double water feeding carburetor capable of operating on kerosene, all cut steel gears and heavy steel plate frame. Irving J. Ryder, county surveyor.

COLTON, Cal.—So. Cal. Gas Co. will expend approx. $150,000 on enlarging and improving central gas plant at Colton. The work will comprise two new generators, increasing capacity 50%; compressor of 250,000 cu. ft., two new purifiers, 250 hp. boiler, well, new structures to house additional equipment. H. C. McAllister, division mgr.

SAN JOSE, Santa Clara Co., Cal.—Until July 3, 11 a.m., bids will be rec. by Henry A. Pfister, county clerk, for fur. and del. 4-ton trailer; length of bed, 14 ft. x 40 in. wide; springs 48 in. long, 3⅜-in. wide; 12 leaves; channel steel frame, 6 in.; wheels 36-in.; spoke 2½x2½, 14 spokes.

Separate bids, same date, for fur. and del. 5-ton trailer; length of bed 14 ft. x 40 in. wide; springs 48 in. long, 3⅜ in. wide; 12 leaves; channel steel frame 6 in.; wheels 36 in. x 7 tires.

Irving J. Ryder, county surveyor.

SAN JOSE, Santa Clara Co., Cal.—Until July 3, 11 a.m., bids will be rec. by Henry A. Pfister, county clerk, for fur. and del. one new or used 3½-ton motor truck. Irving J. Ryder, county surveyor.

MARTINEZ, Contra Costa Co., Cal.—County Surveyor R. R. Arnold authorized to purchase tandem gasoline roller for use on the county highways; cost not to exceed $3600.

ALAMEDA, Alameda Co., Cal.—Holt Manufacturing Co., Stockton, at $5395 awarded contract by City Council to fur. and del. 60-hp. tractor, allowing $1000 for tractor now owned by the city.

MARTINEZ, Contra Costa Co., Cal.—Shell Oil Co. will construct new Trumbull still unit at its plant in Martinez; est. cost, $150,000.

YUMA, Ariz.—Herbert C. Legg Co., Phoenix, Ariz., awarded contr. by Yuma County, at $10,265 for one P. & H. Class 206, caterpillar dragline excavator crane. Other bids were: Smith-Booth-Usher Co., Thew shovel, $11,192; Brown-Bevis Co., Byers, $10,960; Orton & Steinbrenner Co., $8020; C. E. La Boyteaux Co., Locomotive crane, $7100; Bucyrus Co., $15,728.89; Brown Hoist Co., $11,730; Northwest Co., $10,297.50; Marion Steam Shovel Co., $14,160; Industrial, $12,396.

RAILROADS

SAN FRANCISCO.—City Eng. M. M. O'Shaughnessy has submitted estimates to the Board of Supervisors to construct a new route for the Municipal Railway into the Ocean View district from Brighton Ave. Estimated cost, $240,000, summarized as follows: grading and retaining walls, $50,000; track construction, $80,000; electrical feeders, $10,000; right of way, $100,000. Total length of extension, 3500 ft.

CALIFORNIA—The Santa Fe and Los Angeles Harbor Railroad has applied to Interstate Commerce Commission for permit to issue 500 shares of new stock and sell the issue at $100 a share, the funds to be used to construct a line from El Segundo to Wilmington, in Los Angeles county, a distance of 12 miles. The Atchinson, Topeka and Santa Fe Railroad at the same time requested authority to lease the road which the harbor company seeks to build.

FIRE EQUIPMENT

DINUBA, Tulare Co., Cal.—Stutz Fire Equipment Co., San Francisco, at $11,900 awarded contract by City Trustees to fur. and del. one 750-gal. triple comb. pumping engine.

BURLINGAME, San Mateo Co., Cal.—F. M. Clement, representing Gamewell Fire Alarm Co., estimates cost of installing fire alarm system at $25,000. About thirty boxes would be installed. Taken under advisement by City Trustees.

DINUBA, Tulare Co., Cal.—Until June 30, 8 p.m., bids will be rec. by C. T. Regan, city clerk, for fur. and del. 1500 ft., more or less, 2½-in. cotton rubber-lined double jacketed fire hose. Spec. may be had from clerk.

WATSONVILLE, Santa Cruz Co., Cal.—U. S. Rubber Co., represented by Chas. Ford Co., awarded contract to furnish city with 250 ft. of Paragon fire hose at $1.30 ft. and to Fabric Fire Hose Co. for 250 ft. of California brand at $1.15 ft.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

HOLLISTER, San Benito Co., Cal.—Irving L. Ryder, 5 So. 14th St., San Jose, awarded contract by Supervisors to regrade and surface with asph. various roads. Complete list of bids rec follow:

Irving L. Ryder: (1) San Juan and Watsonville Rd., $2323.20; (2) Old San Juan and New Idria Rd., $1200; (3) Buena Vista Rd., $1785.60; (4) San Justo and Tres Pinos Rd., $1248; (5) Hollister and Tres Pinos Rd., $3926.56; (6) San Felipe, Fairview and Township Rd., $672; (7) Hollister & Gilroy Rd., $768; total, $11,923.36.

Granite Construction Co., 20 Maple Ave., Watsonville: (1), $3062.40; (2), $1620; (3), $2321.28; (4), $1684; (5), $5109.73; (6), $974.40; (7), $998.40; total, $15,771.01.

W. I. McReynolds, Hollister: (1), $3168; (2), $1614; (3), $2401; (4), $1678.56; (5), $5188.34; (6), $887.04; (7), $1032.96; total, $15,970.53.

W. W. Thompson, Redwood City: (1), $3379.20; (2), $1740; (3), 2589.12; (4), $1809.60; (5), $5699.32; (6), $1041.60; (7), $1113.60; total, $17,372.44.

VALLEJO, Solano Co., Cal.—W. H. Childers and Vallejo Van and Storage Co. awarded contract by Vallejo Emergency Water Supply Co., to remove 10,200 ft. of screw joint pipe from Green Valley and Suisun Valley and delivery of water pipe and other equipment to points on the right-of-way of the company between Soscol and Jameson Canyon.

OAKLAND, Cal.—Hutchinson Co., Hutchinson Bldg., Oakland, awarded contract by council to improve portions of Grove St., by grading, 5c; concrete curb with steel guard 5c lin. ft.; concrete curb without steel guard, 75c; reset granite curb, 75c lin. ft.; concrete gutter, 28c sq. ft.; asphaltic concrete pavement, 29c sq. ft.

OROVILLE, Butte Co., Cal.—Until July 3, 1:30 p.m., bids will be rec. by C. F. Belding, county clerk, to imp. 2.99 mi of Riceton Road, involv. 16,000 cu yds. unclassified grading, 4400 cu. yds. broken stone or gravel surfacing. Harry H Hume, county surveyor.

SANTA ROSA, Sonoma Co., Cal.—W. W. Felt, Jr., county clerk, will call blds shortly to construct 2 miles standard woven wire fence on Lyon-Cloverdale highway. R. Press Smith, county surveyor.

CALIFORNIA—As previously reported bids will be received by State Highway Commission, Forum Bldg., Sacramento, on July 3, 2 P. M., for following highway projects.

Santa Barbara County bet. Canada de las Llagas and Los Chiqueros creek, 10.8 miles, involving 6720 cu. yds. class A Port. cement concrete (shoulders and repairs to existing base); 550 cu. yds. removal of broken concrete in existing base; 18,400 tons asphaltic concrete surface.

Orange County: between east boundary and San Juan creek, 8.8 miles, involving 6200 cu. yds. excavation without classification; 5600 cu. yds. class A Port. cement concrete (pavement, shoulders and repairs to old base); 300 cu. yds. removal of broken concrete in existing base; 9000 tons asphalt concrete surface; 34 lin. ft. 36-in. corrugated metal pipe.

SAN BERNARDINO, Cal.—Until July 10, bids will be received by city council for paving with 4-in. macadam base Line bet. E and I Sts., and with 4-in. concrete between I St and W city limits

OAKLAND, Cal.—John F. Geary, 357 12th St., Oakland, awarded contract by Council to construct sewer in portions of Harrison St.: 21-in. vit. sewer $4.75 lin. ft.; 30-in. concrete sewer, $7.00 lin. ft.; 10-in. pipe conduit, $1.10 lin. ft.; brick manholes, $115; brick and conc. manholes, $110; brick catch-basins, $115; vit. pipe drop connection, $20; vit. wye branch, $3.50; vit. pipe slant, $1; remov. existing sewer, 40c lin. ft.; deepening exist. manholes, $65; remov. manholes, $25.

POMONA, Cal.—Res. of Inten. adopted by city council to pave Kenoak Dr. bet. Orange Ave and Park Dr., and for Walnut St. bet. Garey and Tolman Aves.

RENO, Nevada—City Council, J. B. Reese, clerk, adopts Ordinance authorizing following street improvements:

First Ward: grade and construct hyd. cem. conc. walks in West Taylor St. bet. So. Virginia and Cochran Ditch. Grade and construct hyd. cem. conc. curb and gutter in Marsh Ave., Plumas to Arlington; California Ave., Clay to west side Block D, Newland's Terrace Tract; Flint St., California Ave. to Court; Lee Ave., Court to Ridge; Ridge, Granite to Belmont Road; Granite, California to Court; Belmont Road, Court to river.

Fourth Ward: grade and construct hyd. cem. conc. curb and gutter in 5th St., North Virginia to Sierra.

Sixth Ward: grade and construct hyd. cem. conc. curb in Robert St., Wheeler to Wells Aves. Harry Chism, city engineer.

EL CENTRO, Cal.—County Supervisors and officials are discussing matter of improving Imperial County roads under road district improvement act rather than by general taxation. Immediate project in view is 7.5 miles of road between Brawley and Holtville, for which Calexico has petitioned.

STOCKTON, San Joaquin Co., Cal.—Until June 27, 10.30 A. M., bids will be received by A. L. Banks, city clerk, to improve north half of Walnut St. between San Jose Ave. and pt. 100.06 ft. east. W. B. Hogan, city engineer.

RIVERSIDE, Cal.—Until 10 a. m., June 26, bids will be rec. by Supervisors for improving La Cadena Dr. (formerly Colton Ave.) bet. city limits of Riverside and county line bet. Riverside and San Bernardino Counties, involv. 112,160 sq ft. asph. wearing surface, 22,432 sq. ft. rock in shoulders. Plans and spec. on file with Co. Surveyor A. C. Fulmor. Cert. check 5%.

OXNARD, Cal.—Owing to an irregularity in proceedings for paving various streets of Oxnard, contract for which was recently awarded to Southwest Paving Co. of Los Angeles, this work will have to be readvertised.

SAN BERNARDINO, Cal.—City Council declares intention to construct sewers in eastern part of city totaling 22,390 ft. of pipe. Protest date, July 10. Another district including A. 16th, Genevieve Sts. involving 13,605 ft. of pipe is also projected.

YREKA, Siskiyou Co., Cal.—Until July 3, 10 A. M., bids will be received by W. J. Neilson, county clerk, to construct portion (about 3½ miles) of McCloud Bartle road. H. J. Sarter, county surveyor.

LOS ANGELES, Cal.—Ord. of inten. adopted by City Council to imp. portions of 5th, 3rd, Mesa, Nelson, Palos Verdes, Beacon and 4th Sts., Harbor Blvd., Grand Ave., in San Pedro, and other streets, by grading, paving with both 1½-in. Warrenite-bitul. surface on 5-in. bitum. base and conc. base, and asph. conc. surface, constructing walks, conc. gutter, curb, conc. storm sewer, laterals, and 8-in. vit. pipe sanitary sewers. 1913 Act.

Ord. adopted to imp. portions of San Pablo, Norfolk, Lambie St., by grading, paving with 5-in. conc., constructing curb, 5-ft. walks, 2-ft. conc. gutters, rein. conc. culverts, catch basins, vit. pipe sanitary sewer. 1913 Act.

SACRAMENTO, Cal.—Until July 3, 2 p.m., bids will be rec. by Harry W. Hall, clerk, to const. conc. highway begin. at Greenback Lane, center of Section 35, T. 10N, R. 6 3, running thence north to Auburn road, a distance of 5963 ft. Drury Butler, county surveyor

SAN JUAN, San Benito Co., Cal.—Following bids rec. by Town Trustees, John A. Marentis, acting clerk, to lay 1000 ft. of water pipe: Clyde Nutting, $998; Joseph Delucchi, $997; L. E. Durrin & Son, $892. New bids were ordered rec. up to June 29, 8p.m.

BAKERSFIELD, Kern Co., Cal.—Federal Const. Co., Call Bldg., San Francisco, at 249c sq. ft. awarded contr. by Board of Education to grade and pave west half of A St. bet. 17th and 19th Sts., 264 ft.

YUBA CITY, Sutter Co., Cal.—City Trustees, C. C. Kline, clerk, declare intention to imp. B St. bet. Plumas and pt. 620.7 ft. southwest, 17 ft. 5 in. wide on each side of present 15-ft. pavement, involv. 57,700 sq. ft. conc. pavement and 3240 lin. ft. curb. Imp. Act 1911 and Bond Act 1915. Protests July 3. Edward von Geldern, city eng.

SAN ANDREAS, Calevaras Co., Cal.—County Supervisors reject bids rec. to const. North Fork Grade, near West Point. W. S. Coulter, county surveyor.

BAKERSFIELD, Kern Co., Cal.—Charles Wimmer, formerly of the firm of Worden, Wimmer & Jones, awarded contr. for conc. paving on county road west of Taft in Road Imp. Dist. No. 1. It was previously reported that the contract had been awarded to Worden, Wimmer & Jones. Wimmer's bid was 32c ft. for 19,103 sq. ft. 6-in. conc. and 40c ft. for 57,601 sq. ft. 8-in. conc. L. B. Rogers bid 35c for 6-in. and 43c for 8-in.; Caulfield & Tompkins, 37½c for 6-in. and 45½c for 8-in., and Dillon, Patterson & Downs, 36c on 6-in. and 48c on 8-in. Paul E. Kressly, Los Angeles, eng.

PASADENA, Cal.—Until 10 a.m., June 28, bids will be received by City Clerk Bessie Chamberlain to imp. E. Colorado St. from Marengo Ave. to old city limits, 200 ft. east of Mentor St., by paving with 2-in. asph. conc. surface on 7-in. conc. base. 1911 Act. Decision to advertise for bids followed a special meeting called for the purpose of starting proceedings for the work. Previous to this job, but no part of it, gas mains, laterals, water mains, electric wiring and police dept. wires will be laid.

SACRAMENTO, Cal.—Blds were received on June 19 by the California Highway Commission for highway improvement as follows:

Siskiyou County, bet. Upton and Shasta River (II-Sis-3-A and B), about 10.7 miles in length, to be graded and paved with Portland cement concrete.
Kaiser Paving Co., Oakland: Reinforced concrete base, $153,934; concrete base, $181,411.50.
F. A. Mocier, Tacoma, Wash.: (1), $166,415; (2) $187,540.
Donnell, Savage & Fenn, Tacoma, Wash.: (1), $166,792; (2), $180,924.
C. H. & A. W. Gorrell, Oakland: (1), $177,640; (2), $188,930.
Guy S. Atkinson, Portland: (1), $221,640; (2), $239,045.
Engineer's estimate: (1), $192,905; (2), $214,377.50.

SONORA, Tuolumne Co., Cal.—Until July 6, 10 a.m., bids will be rec. by Ed L. Gorgas, county clerk, to const. highway in Stockton St., city of Sonora, bet. south city limits and bridge over Sonora Creek, approx. 0.54 mi. in length. Robt. Thom, county surveyor.

GLENDALE, Cal.—Geo. R. Curtis, 2440 E. 26th St., Los Angeles, submitted low bid at $42,388.69 for paving Brand Blvd. from Colorado to Windsor; unit price for Willite paving, 21½c sq. ft.; grading, $2.50 lin. ft. Fleming Constr. Co., Pomona, submitted low bid at $2032.91 for surfacing and oiling Granada St., and Cornwell & Henderson, 127 S. Glendale Ave., Glendale, submitted low bid at 19c sq. ft. for sidewalks on Western Ave.

SAN ANDREAS, Calaveras Co., Cal.—W. S. Coulter, county surveyor, preparing spec. to regrade and rock or gravel present North Fork Grade, near West Point, from Station 22+00.

SANTA BARBARA, Santa Barbara Co., Cal.—An election will be held July 6 to vote on bond issue for municipal improvements including $90,000 for repairs and improvements to waterworks system.

EL MONTE, Cal.—Oswald Bros., 366 E. 58th St., Los Angeles, submitted low bid to City Trustees at $85,505.92 for paving with conc. and grading and oiling portions of 11 streets. W. E. Hall of Riverside submitted next low bid at $86,265.98.

RICHMOND, Contra Costa Co., Cal.—City Engineer H. D. Chapman has completed spec. and bids will be asked shortly to improve subway with 6-in. asph. conc. pavement; work to be done under the 1911 Act. Est. cost, $22,000.

MARTINEZ, Contra Costa Co., Cal.—Bids are being rec. by Supervisors to pave with asph. macadam, 1 mi. of highway bet. Concord highway and Gallnno, on Avon road. R. R. Arnold, county surveyor.

CALIFORNIA.—Until July 17, 2 p.m., bids will be rec. by State Highway Commission, Forum Bldg., Sarcamento, to grade 11.3 mi. in Plumas and Lassen Counties bet. Chester Grade and NE ¼ of Sec. 3, T. 28N, R. 9E, M.D.B.& M. (11-Plu-29-A and 11-Las-29-A). Austin B. Fletcher, State Highway Eng. **See call for bids under official proposal section in this issue.**

NEWPORT BEACH, Cal.—New proceedings will be started at once for paving Central Ave. and other streets, involv. approx. 368,755 sq. ft. conc. paving. Owing to an irregularity in former proceedings, due to defect in title to land granted to city by S. P. Ry. for right of way, it was necessary to reject former bids. Independent Asphalt Paving Co., Seattle, Wash., submitted low bid of $459,960.52 under former proceedings.

SAN JOSE, Santa Clara Co., Cal.—M. E. Kilcourse, 528 South 10th street, San Jose, at $14950 awarded contract by A. W. Maderis, 29 S. 11th street, San Jose, to construct sidewalks, curbs and gutters, sewers and manholes in Alameda Park; work to be completed 60 days after June 5.

MARTINEZ, Contra Costa Co., Cal.—County Surveyor R. R. Arnold preparing spec. to improve Willow Pass Rd., Division 30, of county highway system. Est. cost, $5000.

BANNING, Cal.—Until 7:30 p.m., June 30, bids will be rec. by City Trustees for improving San Gorgonio Ave. bet. Nicolet and Gilman Sts., by paving with 5-in. cem. conc., const. conc. curbs. Theo. Backus, city clerk. Work will involve 75,623 sq. ft. paving and 26,070 lin. ft. curb. Approx. one-third of this job will be done under recent bond issue and balance under 1911 Act.

GLENDALE, Cal.—Geo. R. Curtis, 2440 E. 26th St., Los Angeles, submitted low bid to city trustees at $42,388.69 for improving Brand Blvd. bet. Colorado and Windsor Sts., involving 2265 lin. ft. grading at $2.50 ft., 8527 sq. ft. gutter at 24c ft., 125,167 sq. ft. Willite paving at 21.5c ft., 68 ft. curb at 60c ft., laying 160 ft. 4-in. c. i. water pipe at $1.50 ft., 80 ft. 6-in. c. i. water pipe at $1.90 ft., 2112 ft. 8-in. c. i. water pipe at $3 ft., culvert complete, $1000. Other bids were: Peter L. Ferry, $44,578.31; Geo. H. Oswald, $45,286.47; Braun, Bryant & Austin, $47,762.22; L. A. Paving Co., $46,592.14;

Fleming Constr. Co., 105 N. Park Ave, Pomona, submitted low bid at $2032.91 to oil and grade Granada St., involving 625 lin. ft. grading at 88c ft., 13,740 sq. ft. oiling and screening at 5.25c ft., 923 ft. curb at 50c, 4417 sq. ft. walk at 18c ft.(Other bids were: Peter L. Ferry, $2056.06; Cornwell & Henderson, $2766.23.

Cornwell & Henderson, 127 S. Glendale Ave., Glendale, submitted low bid at $995.41 to const. 523 sq. ft. walk on Western Ave. The bid was 18c sq. ft. Other bids were; Peter L. Ferry, 20c sq. ft. or $1047.80; Corello & Schmidt, 21.75c sq. ft., or $1139.48.

MERCED, Merced Co., Cal.—J. J. McHugh, Foxcroft Bldg., San Francisco, at $79,949 awarded contract by supervisors to const. 7.12 miles of road in District No. 2.

RICHMOND, Contra Costa Co., Cal.—City Council orders improvement of Stege Ave., 36th, 37th, 38th, 39th and 40th Sts., and Macdonald Ave. bet. 23rd St. and San Pablo Ave. H. D. Chapman, city eng.

TORRANCE, Cal.—L. A. Paving Co., 2900 Santa Fe avenue, Los Angeles, awarded contract at $51,401, to pave Arlington street, and at $33,934 for Carson street. The unit prices were: Arlington street, $1.50 lin. ft. (50 ft. width) and $2 lin. ft. (80 ft. width) 19c sq. Willite paving 7c sq. ft. oil surfacing, 60c ft. curb. Carson street, 50c lin. ft. grading (26-ft. width) and $1.50 ft. grading (80 ft. width), 16c ft. Willite paving, 10c lin. ft. redwood header strips and stakes, 20c sq. ft. oil surfacing.

HEMET, Cal.—Until 7:30 p.m., July 3, bids will be rec. by City Clerk C. M. Dietterich for paving with cem. conc., const. cem. curbs, walks, on Buena Vista St. bet. Devonshire and Central Aves.; Juanita St. bet. Buena Vista St and Juanita St.; Acacia St. bet. Buena Vista and State Sts., and on portions of other streets. 1911 Act. Work involves 409,700 sq. ft. 4-in. cem. conc., 8600 lin. ft. curb, 6600 sq. ft. walk. F. W. Stetson, city eng.

BERKELEY, Alameda Co., Cal.—M. P. Cambar awarded contract by council to construct, 6-in. vit. sewer in Hearst avenue, from manhole 61-ft. west of Sacramento to pt. 1-ft. of west line of Sacramento street, and thence north with west line of Sacramento street, 300 ft.

SAN BERNARDINO, Cal.—H. H. Llennu, 126 Brookside Ave., Redlands, awarded contract by Supervisors at $108,000, for paving Hellman Ave., bet. Olive Ave. and a point 17,750 ft. south and portions of other streets in R. D. I No. 17, comprising about 380,160 sq. ft. 4-in. concrete paving, concrete curbs, concrete walls, culverts. Engineer's estimate, $108,500. Other bids: W. E. Hall, $127,500, J. H. Waugh, $129,450.

SACRAMENTO, Cal.—Until June 29, 9 p. m., bids will be received by H. G. Denton, city clerk, for following street work:

Folsom Boulevard, from pt. 102-ft. east of 47th street, to 53rd street, constructing conc. curb and gutter; c. i. gutter drains with 6-in. vit. sewer connections; concrete manholes and reconstruction present manholes; vit. sewer with 6-in. wyes; extend. 6-in. sewer service from wyes to curb; 1-in. water main connections; grading and paving with 5½-in. asphalt concrete pavement.

Alley bet. Y and Burnett Way, 24th St. and pt. 250 ft. west, const. vit. sewer with 6-in. wyes; 6-in. flusher branch.

Alley bet. H and I, 24th to 25th Sts., const. 130 lin. ft. conc. curb wall; c. i. track drain with 6-in. vit. sewer connection; reconst. 1 manhole; grading and paving with 5-in. hyd. conc.

Madsen Ave. from sewer in Sacramento Blvd. to west end of Madsen Ave.: const. vit. sewer with 6-in. vit. wyes; extend 6-in. vit. sewer services from wyes to property line; conc. manholes; 6-in. vit. flusher branch.

Q St. bet. 2nd and 23rd Sts. (excepting intersections of 3rd, 7th, 8th, 15th and 21st Sts.) by grading.

Albert Givan, city engineer.

LONG BEACH, Cal.—R. N. Nikcevich, P. O. Box 204, Long Beach, submitted lowest bid to City Council at $98,334 for constructing sewers in Redondo and other streets in sewer district No. 6. Other bids were: P. S. Tomich, 2135 E. Anaheim St., $99,480; Leo Miletich, Los Angeles, $112,423; Chas. H. Mull, Long Beach, $138,000; S. Zarubica submitted a bid which read $10,400, but he explained it was intended for $104,000.

SAN DIEGO, Cal.—California Construction Co., 528 Granger Bldg., San Diego, submitted low bid to Council for paving Rosecrans, Dumas, Poe, Canon and Rogers Sts., involving 318,090.4 sq. ft. 5-in. cement concrete paving at 25.2c ft.; 138.79 lin. ft. 8-in. cement concrete curb at 75c ft.; 287.53 lin. ft. 6-in cement concrete curb at 75c ft; 5705 sq ft oil gutter at 6c ft.; removal of 90.16 lin. ft. curb at 25c ft.; 8 culverts complete, $4240; total $85,083.36. Other bids were: Fairchild-Gilmore-Wilton Co., $96,135.71; David H. Ryan, $96,381.45. Former bid 28.6c and latter 29c for paving.

California Constr. Co. also low bidder for paving with asphaltic concrete portion of Pershing Dr. through Balboa Park at 15c sq. ft. or total of $14,271.60. Fairchild-Gilmore-Wilton Co. bid 15¼c, a total of $14,509 and G. R. Daley bid 15¾c, a total of $14,985.18. Bids referred to City Engineer.

MERCED, Merced Co., Cal.—Valley Paving Co., Visalia, awarded contract by the Trustees to improve 22nd St. bet. O and P by grading, paving with 3½-in. asphaltic concrete base, with 1½-in. Warrenite-bit. wearing course with seal coat, concrete curbs and 23rd St. bet. H. and G Sts., including intersection of H St., by grading, paving with 3½-in. asphaltic concrete base with 1½-in. Warrenite-bit. wearing course with seal coat, concrete curbs, cast iron culverts with hyd. concrete bases. Bid: Grading, 4c; paving, 12.9c

SACRAMENTO, Cal.—City Council, H. G. Denton, clerk, declares inten. to improve:

Franklin Blvd., bet. Y and 4th Ave., by const. conc. curb and gutter; c. i. drains with 6-in. vit. sewer connections; conc. manholes; 6-in. vit. sewer branches; ¾-in. water main connections; grading and paving with 5½-in. asph. conc.; and San Fernando Way bet. Y St. and pt. 120 ft. south, by const. conc. curb and gutter; c. i. gutter drains with 6-in. vit. sewer connections; extend sewer services to property line; ¾-in. water main connections; grading and paving with 5½-in. asph. conc.

Larkin Way bet. Freeport Blvd. and east right of way of W. P. R. R., by const. conc. curb and gutter; c. i. gutter drains, with 6-in. vit. sewer connections; extending vit. sewer services to curb; const. 8-in. vit. sewer from manhole to Larkin Way at 20th St.; const. conc. manhole; reconst. conc. manholes; ¾-in. water main connections; grading and paving with 5½-in. asph. conc.

Albert Givan, city eng.

BAKERSFIELD, Kern Co., Cal.—City Eng. W. D. Clarke has completed plans for street improvements as follows:

Union Ave., involv. 26,800 sq. ft. grading, 20,443 sq. ft. 3½-in. asph. conc. paving with 1½-in. Warrenite-bitul. surface, 1965 sq. ft. oiled surface. Cost, $5562.

Alley in Blk. 73, Kern, involv. 4944 sq. ft. 3½-in. asph. conc. paving with 1½-in. Warrenite surface, and 700 ft. conc. curb. Cost, $2000.

LOS ANGELES, Cal.—Geo. R. Curtis, 2440 E. 26th St., awarded contr. by Board of Public Works at $15,283.39 for paving Molino St. bet. 4th and Palmetto Sts., involv. 53,519 sq. ft. grading at 4c ft; 2047 sq. ft. asph. paving at 22.5c .t; 51,472 sq. ft. bitum. base paving at 22.5c ft; 56 ft. curb at 75c ft; 235 sq. ft. walk at 25c ft; 2114 sq. ft. conc. gutter at 25c ft; 111 sq. ft. granite block gutter at 60c ft; 270 ft. house sewers at $1.50.

SANTA BARBARA, Santa Barbara Co., Cal.—James T. Cornwall, 227 Equestrian Ave., Santa Barbara, awarded contr. at $7471.30 for improv. Prospect Ave. bet. Valerio St. and Las Piedras Add., involving 17,360 sq. ft. 4-in. conc. pavement at 27c ft., 1580 ft. curb at 70c ft., 1850 sq. ft. conc. gutter at 25c ft., 4400 sq. ft. walk at 19c ft; sewer 4-in. vit. pipe connections at $40 per connection; two manholes complete, $100. Other bids were: A. L. Pendola, $7578.20 and E. H. Hunt & Son, $8291.

BAKERSFIELD, Kern Co., Cal.—Engineers Pearce & Pearce have submitted a bid to the Kern County Supervisors offering to do all surveying and supervise engineering in construction of Kern County roads and highways at 3 per cent of the contract price on valley routes and 4 per cent of the contract price on mountain routes. Taken under advisement.

HERCULES, Contra Costa Co., Cal.—Until June 29, bids will be received by Town Trustees to construct concrete shoulders along highway built by the town to connect with the county highway system and for resurfacing and oiling Hercules avenue, north of the Santa Fe bridge. Shoulders will be 2½ ft. wide, 5,000 ft. long.

MERCED, Merced Co., Cal.—Trustees reject bid of Valley Paving Co., Visalia, to improve alley in Block 128 by grading, paving with 2½-in. asphaltic concrete base, with 1½-in. Warrenite-bit. wearing course with seal coat, wooden curbs. New bids will be asked. C. D. Martin, City Engineer.

MERCED, Merced Co., Cal.—County Surveyor A. E. Cowell selected by the Supervisors to prepare specifications for 14 miles of road in the "West Side" District, known as Road Improvement District No. 3. "Black base" specifications will probably be adopted.

CALIFORNIA.—Following are approx. quantities of materials required to grade and pave with bit. macadam 16.6 miles of highway in **Placer County** bet. Auburn and ¾ mile north of Colfax, bids for which will be opened by State Highway Commission, July 10:

129,100 cu. yds. excav. without classification; 62,700 tons broken stone (bit. macadam); 920 tons asphalt Grade E spread (bit. macadam); 395 cu. yds. Class A conc. (culverts and monumens); 56 lin. ft. 10-in., 2204 lin. ft. 12-in., 572 lin. ft. 15-in., 708 lin. ft. 18-in., 490 lin. ft. 24-in. and 88 lin. ft. 30-in. corru. metal pipe; 21,736 lin. ft. guard rail; 504 monuments.

Comm. will furnish rein. steel, cement, corru. metal pipe and asphalt Grade E.

LOS ANGELES, Cal.—Until 10 a.m., June 26, bids will be rec. by Board of Public Works for improving Vernon Ave. bet. Staunton and Honduras Sts., involv. 11,090 sq. ft. grading and paving with asph. (6-in. base), 897 sq. ft. gutter, 240 ft. house sewers, rein. conc. culverts. Vrooman Act.

NAPA, Napa Co., Cal.—Stockholders of the Napa City Water Co. have agreed to sell the system to the city for the sum of $240,000. A bond election will be called to finance the purchase.

SAN DIEGO, Cal.—California Constr Co., 58 Second St., San Francisco, submitted lowest bid at $25.2c sq. ft. for paving with 5-in. conc. Rosecrans St., about 353,992 sq. ft. Fairchild-Gilmore-Wilton Co. bid 15¼c, and Geo. R. Daley, 15¾c. California Constr. Co. submitted low bid at 15c sq. ft. for asph. conc. pavement on Pershing Dr. David H. Ryan bid 28.6c and and Fairchild-Gilmore-Wilton Co. bid 29c.

LOS ANGELES, Cal.—Shepard & Weber, 2731 6th St., Santa Monica, submitted low bid to Board of Public Works, at a total of $16,642, for constructing inflow and overflow sewers at Fish Harbor sewage pumping plant. The bid was: (1) north inflow sewer, $4100; (2) south inflow sewer, $10,342; (3) overflow sewer, $2200. R. A. Wattson bid (1) $5265; (2) $10,695; (3) $2800; total, $18,760.

NELSON, Butte Co., Cal.—Until July 1, bids will be received by Mrs. Clark B. Stahl, Clerk, Nelson Union School District, to install water pressure system in school grounds. Further information on request.

SAN FRANCISCO. — Members of Olympic Club have subscribed $350,000 to purchase and improve 321 acres adjoining the Club's golf course at Lakeside, and plan to lay out two 18-hole courses. Additions to the clubhouse and tennis courts are also planned.

SAN PABLO, Contra Costa Co., Cal.—Downer & Mero, 2234 Macdonald Ave., Richmond, at $28,391 awarded contract by San Pablo Sanitary District to const. 6-in. lateral sewers in Willow, Hyde, Taylor, Mason, Powell, Stockton, 7th and 6th St. bet. Dover and north boundary of district; in 5th, Freeman, Elizabeth and Tyler Sts. bet. Dover and north boundary of Richmond Pullman Pueblo Tract No. 2; 8-in. vit. sewers in Stockton St. bet. Dover and north boundary of San Pablo Sanitary District; br. and conc. manholes, etc. Other bidders: Fred Meyers, $35,020.80; L. L. Page, $29,279.10; Heafey, Moore and McNair, $30,671.30.

Downer & Mero also awarded contract to const. lateral sewers in Church St., at $7029. Other bids: L. L. Page, $8135; Heafey, Moore & McNair, $7372. Ross L. Calfee, 221 S. 22nd St., Richmond, eng. for district.

LOS ANGELES, Cal.—Until 10 a.m., July 3, bids will be rec. by Board of Public Works to improve Middlebury St. bet. Hoover and Juanita Sts., involving 45,120 sq. ft. grading and oiling, 3064 ft. curb, 15,422 sq. ft. walk, 6129 sq. ft. gutter. Vrooman Act.

OAKLAND, Cal.—Marston Campbell, engineer for city school department, completes spec. for subway under tracks of Western Pacific at Dewey School, 37th Ave. and E. 12th St. Est. cost, $9000.

SACRAMENTO, Cal.—T. M. Burns, 2207 N St., Sacramento, awarded contract by Council to imp. 10th St. bet. C and G Sts., by const. conc. curbs and gutters; c. i. gutter drains with 6-in. vit. manhole connections; conc. manholes; reconst. existing manholes; connecting manholes with 8-in. vit. sewer pipe with conc. protective covering over sewer whose top is less than 1½ ft. below finished grade.

NOGALES, Ariz.—Benj. Pierce has contr. at $46,000 to pave 2½ mi. of Nogales-Tucson highway, extending north from city limits, for State Highway Department.

COLUSA, Colusa Co., Cal.—Bids will be asked immediately by city trustees to const. 1 mile of concrete pipe sewer. It is probable the bids will be opened July 3. Asa Proctor, city eng.

TOMBSTONE, Ariz.—Council declares intention to grade and pave streets as follows: Allen St. bet. 1st and 6th Sts; 6th St. bet. Allen and Fremont Sts; Fremont St. bet. 6th and 10th Sts. W. M. Cavanagh, clerk.

SAN FRANCISCO.—Following bids rec. by C. H. Swectser, district engineer, U. S. Bureau of Public Roads, Mills Bldg., to const. Big Bear Valley Rd. in Los Angeles National Forest, approx. 10.4 mi., involv. 547 stations clearing and grubbing; 325,000 cu. yds. unclassified excavation; 170 cu. yds. dry rubble masonry; 530 sq. ft. cement rubble masonry; 118 cu. yds. Class A concrete, 21,100 lbs. rein. steel; 5650 lin. ft. corru. metal or conc. pipe culverts; 630 cu. yds. hand placed embankment. (Bureau to furnish corru. metal or conc. pipe for culverts):

Utah Const. Co., Phelan Bldg., San Francisco: (1) concrete pipe, $246,-338.50; (2), $237,750.

Johnson Contracting Co., (1), $277,782; (2), $256,042.

Ralph McLeran, (1), $291,490.50; (2), $289,917.50.

Warren Construction Co., (1), $348,-665; (2), $334,410.

McPenk, Burton & Burton, (1), $443,-599; (2), $439,231.

C. H. Hudson, (1), $346,860; (2), $337,-685.

Isbell Construction Co., (1), $429,395; (2), $414,665.

C. W. and A. W. Gorrill, (1), $364,417; (2), $294,922.

A. J. Fairbanks, (1), $349,014; (2), $332,189.

W. A. Betchel, (1), $388,850; (2), $371,900.

Hoey & Mead, (1), $418,130; (2), $406,212.50.

Ross Constr. Co., (1), $314,398; (2), $305,273.

P. L. Burr, (1), $352,692; (2), $342,152.

Geo. Pollock Co., (1), $317,448; (2), $310,623.

White, Brown & Leahy, (1), $420,222; (2), $410,482.

Engineer's estimate, (1), $308,289; (2), $299,030.

STOCKTON, San Joaquin Co., Cal.—Scholtz Construction Co., 46 Kearny St., San Francisco, at approx. $28,600 submits low bid to Council to const. lateral sewers with wye, curved and house branches, manholes with and without automatic flushers in D and E Sts., bet. E. Weber and Linden Rd; F St from pt. 125 ft. south of E. Weber to Linden Rd; Linden Rd. from D to F St; Rincon Ave. bet. F and east boundary of Fair Oaks north; E. Fremont St., E. Lindsay and E. Channel Sts., from Fair Oaks north to east boundary of Fair Oaks north, and E. Weber Ave. bet. C and Filbert Sts. Bids taken under advisement. W. B. Hogan, city eng.

OAKLAND, Cal.—Oakland Paving Co. 5000 Broadway, Oakland, awarded contract by Council to imp. portions of 11th St: Conc. curb, 75c lin. ft. reset granite curb, 75c lin. ft; conc. gutter, 27½c sq. ft; asph. conc. pavement, 20c sq. ft.

Oakland Paving Co. awarded contr. to imp. East 28th St. from 25th Ave. to pt. 341.02 ft. west: Excavating, 1.35c cu. yd.; conc. curb, 75c lin. ft; conc. gutter, 25c sq. ft; oil macadam pavement, 115c sq. ft; cement walks, 16c sq. ft.

RICHMOND, Contra Costa Co., Cal.—City Eng. H. D. Chapman preparing spec. to improve Stege Ave. bet. 35th and 40th Sts.

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy completes specifications to improve

Yosemite Ave., bet. Mendell and Third Sts., estimated cost, $14,700, involving 1700 cu. yds. cut, 1336 lin. ft. concrete curbs, 554 sq. ft. artificial stone walks, 3 brick catchbasins; 75 lin. ft. 10-in. pipe culvert; 35,224 sq. ft. asph. conc. pavement.

Hearst Ave., bet. Foerster and Genesee, estimated cost, $6,100, involv. 1200 lin. ft. concrete curb, 18,000 sq. ft. asphaltic concrete pavement.

Beverly St., bet. Holloway and Garfield, estimated cost, $9,300, involv. 1700 cu. yds. cut, 1330 lin. ft. concrete curb, 19,950 sq. ft. asphaltic concrete pavement.

SAN FRANCISCO.—Grant Smith Co., Balboa Bldg., San Francisco, at $683,050 submits low bide to Board of Public Works to construct Pulgas Tunnel, Contract No. 85, Hetch Hetchy project. Other bids: Utah Construction Co., $710,582; F. Rolandi, $744,850; Construction Co. of North America, $779,300.

REDWOOD CITY, San Mateo Co., Cal.—City Trustees, W. A. Price, clerk, declare intention to imp. Roosevelt Ave. bet. El Camino Real and south city limits, by preparing present existing macadam pavement for an oiled wearing surface and placing asphaltic oil surface thereon. Imp. Act 1911. Protests July 17. C. L. Dimmitt, city eng.

SAN DIEGO, Cal.—V. A. Olsen, 4153 Florida St., San Diego, was awarded contr. for paving State St., bet. Quince and Redwood Sts., involv. 8770.05 sq. ft. 4-in. conc. paving at 27.5c sq. ft., 404.88 lin. ft. curb at 73c ft.

Geo. R. Daley, 4430 Boundary St., San Diego, awarded contracts at $32,889.75 for paving Herman Ave. bet. University and Thorn Aves., with 1½-in. asph. conc. surface on 3-in. asph. conc. base; also for paving

Third St. bet. Walnut and University Aves., with 1½-in. asph. conc. surface on 2½-in. asph. conc. base, approx. 95,712.28 sq. ft.

California Constr. Co., 528 Granger Bldg., San Diego, awarded contr. for paving Grape St., bet. Fifth and Atlantic Sts., involving approx. 143,794 sq. ft. asph. conc. paving on asph. conc. base.

OAKLAND, Cal.—City Council, Eugene K. Sturgis, clerk, declares intention to improve 14th St. bet. Poplar and Wood by grading, const. conc. curbs and gutters, paving with asph. conc.; 10-in. vit. sewer; 3 br. manholes; 5 br. catch basins; vit. pipe conduits, etc. 1911 Act. Protests July 13. W. W. Harmon, city eng.

BURBANK, Cal.—Until 7:30 p.m., July 18, bids will be rec. by City Clerk F. S. Webster for improving Third St. and Olive Ave from San Fernando Blvd. to 10th St. by grading and oil tamping roadway 30 ft. wide and constructing rock gutters and cem. curbs from San Fernando Blvd. to 10th St. and cem. walks from San Fernando Blvd. to Eighth St. 1911 Act.

SAN DIEGO, Cal.—California Constr. Co., 528 Granger Bldg., San Diego, was awarded contr. by City Council at $14,476 for paving Pershing Dr., through Balboa Park, with asph. conc. wearing surface on asph. conc. base.

BERKELEY, Alameda Co., Cal.—City Council, E. M. Hann, clerk, declares intention to const. 6-in. vit. sewer 2 ft. west of Acton St., from sewer in Addison St., 230 ft. north; 1 lamphole. 1911 Act. Protests July 7. C. L. Huggins, city eng.

WATTS, Cal.—A. W. Phillips, 537 N. Hoover St., and Martin G. Brkich, 1506 Pleasant Ave., L. A., awarded contr. by City Trustees at $442,775 for constructing city sewer system. Koebig & Koebig, Title Ins. Bldg., L. A., consulting engineers.

MARTINEZ, Contra Costa Co., Cal.—City Eng. Ben Greene preparing spec. to pave streets south of the grammar school and the Martinez Park Tract. The latter district will include all streets in the district within the city limits and Green St., to the corporate limits.

NAPA, Napa Co., Cal.—City Council, H. H. Thompson, clerk, declares intention to improve Yajome St. bet. Caymus and Lincoln Ave., by grading, const. conc. curbs, paving with two-course asph. macadam and const. conc. catch basins. Imp. Act 1911. Protests July 10. H. A. Harrold, city eng.

LODI, San Joaquin Co., Cal.—Until July 3, 8 p.m. bids will be rec. by J. F. Blakeley, city clerk, to imp. Sacramento St. bet. Lodi and Spruce Sts., includ. street and alley intersections, by grading, const. comb. hyd. conc. curbs and gutters and paving with 2½-in. asph. conc. base with 1½-in. Warrenite surface. L. F. Barzellotti, city eng.

LOS ANGELES, Cal.—Res. of inten. adopted by County Supervisors for improving 105th, 106th, 107th and 109th Sts., Budlong, Normandie, Harvard, Western Aves. and a portion of Vermont Ave. (R. D. 1. No. 223). 19,176 lin. ft., involv. 19,085 cu. yds. excav., 71,380 sq. yds. shaping and rolling roadway; 33,655 lin. ft. curb; 134,018 sq. ft. conc. walk; 2720 sq. ft. conc. gutter; 2 catch basins and one conc. culv., removing 69,320 sq. ft. conc. walk; and 920 ft. curb. Materials required: 4202 bbls. cem., 582 cu. yds. sand, 1339 cu. yds. gravel, 1018 lbs. lamp black, 1492 (5x9x14-in.) expansion joints, 8 (5x9½x16-in.) expansion joints, 1500 (3½x4-in.) expansion joints, 1500 rolls 2-ply tar paper, 282 lbs. steel, 6 ft. 24-in. corru. iron pipe. Average haul 1½ mi. from Delta on P. E. Ry.

PACIFIC GROVE, Monterey Co., Cal.—City Eng. H. D. Severance preparing spec. to improve Lighthouse Ave. bet. 19th St. and New Monterey, and Forest Ave. bet. Pine Ave. and the beach.

POMONA, Cal.—Fleming Constr. Co., 105 N. Park Ave., Pomona, submitted low bid to the City Council at $40,910, lump sum, for paving portions of Eleanor, Main, Pearl and Pasadena Sts. with 5-in. oiled macadam, involving 312,038 sq. ft., and 1498 ft. curb. Other bids were: H. H. Lienau, 13⅛c paving, 60c curb; total, $41,863.79; W. H. Goss, 13.7c paving, 60c curb; total, $43,648.01.

Fleming Constr. Co. was also low bidder at $16,302, lump sum, for paving Alvarado St., bet. Garey and Towne Aves., with 5-in. oiled macadam, involving 126,293 sq. ft., and 610.7 ft. curb. Other bids were: H. H. Lienau, 13.5c paving, 60c curb; total $17,415.07; W. H. Goss, 13.7c paving, 60c curb; total, $17,668.56.

LODI, San Joaquin Co., Cal.—City Trustees, J. F. Blakeley, clerk, declare inten. to improve following streets:

(1) Stockton Ave. bet. Lodi St. and south city limits; (2) Eden St. bet. Stockton and Central Aves., and Central Ave. and east city limits; (3) Flora St. bet. Seaton and Central, and bet. Central and east city limits, incl. all street and alley intersections: all by grading, const. comb. conc. curbs and gutters; paving with 2½-in. asph. conc. base with 1½-in. Warrenite surface. 1911 Act and Bond Act 1915. Protests July 3. L. F. Barzellotti, city eng.

HERMOSA BEACH, Cal.—Bids for improving Morningside Dr. and other streets were not opened June 20 as scheduled, owing to adjournment of Board of Trustees through misunderstanding. Three bids were received, which will be opened June 27 at 8 p.m.

RICHMOND, Contra Costa Co., Cal.—City Council, A. C. Faris, clerk, declares intention to improve portions of Macdonald Ave., 16th St., Portola Ave. and 19th St., by grading, paving with two-course 6-in. asph. conc. curbs with galv. steel curb bars; conc. walks; gutters and retaining walls, catch basins; corru. iron or steel culverts; sewers, etc. Imp. Act. 1911. Protests July 10. H. D. Chapman, city eng.

SEEK LAW TO PROTECT UNIONS FROM SUITS FOR STRIKE DAMAGES

A law to protect the funds of labor unions from suits for damages through strike violence will be sought by the Brotherhood of Locomotive Engineers and other organizations in the next Congress, according to an announcement of the engineers' brotherhood.

The law will be sought to wipe out the peril that is declared to face union labor because of the Coronado coal decision handed down by the Supreme Court of the United States lately. The decision was delivered by Chief Justice W. H. Taft, and holds that the labor unions, incorporated or unincorporated, are liable for strike damages.

Too Late to Classify

Contract Awarded.
ALTERATIONS Cost, $30,800
SAN JOSE, Santa Clara Co., Cal. 360 N. Third St.
Alter residence into 12 apartments.
Owner—J. C. Bondi, 135 E. St. James St., San Jose.
Architect—Wesley Hastings, 524 E. St. James St., San Jose.
Contractor—Hastings Bros., Rm. 204, Bank of San Jose Bldg., San Jose.

Contract Awarded.
APARTMENTS Cost, $16,000
SAN JOSE, Santa Clara Co., Cal. San Carlos Ave. near Seventh St.
Two-story 10-room frame apartment house.
Owner—T. P. Mitchell, 1105 S. Seventh St., San Jose.
Architect—C. C. Lewis, 329 S. Fifth St., San Jose.
Contractor—Lewis & Nelson, 329 Fifth St., San Jose.

Plans Being Prepared.
APARTMENTS Cost, $100,000
SAN FRANCISCO. SW Geary and Jones St.
Six-story and basement Class C steel and reinforced concrete store and apartment house (35 2 and 3-room apartments and 4 stores).
Owner—S. & G. Gump Realty Co.
Architect—Milton Latham, 452 Montgomery St., San Francisco.

Contract Awarded.
PACKING PLANT Cost, $80,000
COLUSA, Colusa Co., Cal. Cooper's Second Extension.
One and one-half-story concrete packing plant.
Owner—California Prune & Apricot Growers, Market and San Antonio Sts., San Jose.
Architect—Engineering Dept. of Owner, San Jose.
Contractor—J. L. Webster, Chico.

Plans Being Prepared.
Y. W. C. A. BLDG. Cost,$——
FRESNO, Fresno Co., Cal. L and Tuolumne Sts.
Two-story reinforced concrete Association building.
Owner—Young Women's Christian Association (Miss Maude Wolfe, General Secretary).
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., San Francisco.

Plans Being Prepared.
ADDITION Cost, $——
SAN FRANCISCO. Lakeside Golf Links.
Two-story frame addition to Country Club.
Owner—Olympic Club.
Architect—John Baur, 251 Kearny St., San Francisco.

Plans Being Figured.
Bids Close July 5, 1922, 4 p.m.
ADDITIONS Cost,$——
BERKELEY, Alameda Co., Cal. Le Conte School on Oregon and McGee Sts.
Alterations and additions to school.
Owner—Berkeley Board of Education.
Architect—Wm. C. Hays, First Natl. Bank Bldg., San Francisco.
Plans may be obtained from the architect on a deposit of $10.

Plans Being Figured.
Bids Close July 5, 1922, 4 p.m.
TOILETS Cost, $——
BEREKELEY, Alameda Co., Cal. McKinley School on Dwight Way, near Telegraph Ave.
Reconstruction of toilet rooms.
Owner—Berkeley Board of Education (Clyde Blanchard, Secretary).
Architect—Wm. C. Hays, First National Bank Bldg., San Francisco.
Separate bids must be submitted as follows: (1) Plumbing; (2) General Contract. Plans may be obtained from the Secretary at 2133 Allston Way, Berkeley.

Plans Being Figured.
Bids Close July 5, 1922, 4 p.m.
GYMNASIUM Cost, $——
BERKELEY, Cal. Garfield School on Rose and Grant Sts.
Portable gymnasium.
Owner—Berkeley Board of Education, Clyde Blanchard, Secretary, 2133 Allston Way, Berkeley.
Plans may be obtained from the Secretary on a deposit of $10.

Commissioned to Prepare Plans.
SCHOOL Cost, $——
COLUSA, Colusa Co., Cal.
Fireproof high school.
Owner—Colusa Union High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Bonds will be voted after the plans and preliminary estimates are prepared.

Contract Awarded.
BERKELEY, Alameda Co., Cal. Claremont District.
Two-story and basement frame and plaster residence (8 rooms).
Owner—Wm. A. Powell.
Architect—Morrow & Garren, Chronicle Bldg., San Francisco.
Contractor—Chas. C. Williams, 1524 Franklin St., Oakland.

Contract Awarded.
DWELLING Cost, $10,000
FRESNO, Fresno Co., Cal. 2205 Wishon Ave.
Frame dwelling and garage.
Owner—Hattie Eaton, No. 6 Pickford Apts., Fresno.
Contractor—Jolly & Jolly, 801 Belmont St., Fresno.

Contract Awarded
RESIDENCE Cost, $9850
BERKELEY, Alameda Co., Cal. 1024 Spruce St.
One-story 8-room frame residence.
Owner—M. J. Eardley.
Architect—Slocombe & Field, First Savings Bank Bldg., Oakland.
Contractor—A. Frederick Anderson, 2800 Delaware St., Oakland.

Commissioned to Prepare Plans.
MEMORIAL Cost, $250,000
HONOLULU, Hawaii. Waikiki Beach.
Reinforced concrete and terra cotta memorial (plaza, coliseum, natatorium and temple of music).
Owner—Territory of Hawaii.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
The memorial was designed by Lewis P. Hobart, and was selected from those submitted by twenty architects of the United States and Hawaii by a committee consisting of Bernard Maybeck of San Francisco, Ellis F. Lawrence of Portland, W. R. B. Wilcox of Seattle, the Governor of Hawaii and the Mayor of Honolulu.

LOS ANGELES, Cal.—The Moran Co., 206 Kerckoff Bldg., L. A., is preparing plans and will erect a group of factory bldgs. at 1834 N. Main St., Los Angeles, for the Imperial Cotton Co. Picker house, 46x220 ft., 1-story and basement; weave shed, 165x200 ft., 2-story and basement; boiler house, 50x100 ft., 1-story. Brick walls, reinf. conc. floors, mill constr., comp. rf., steel sash, steel rolling doors, metal skylights, wire glass, sprinkler system, 5 hp. boilers (for power). $175,000

SAN DIEGO, Cal.—Fred W. Steffgen, 1044 26th St., San Diego, submitted low bid at $22,877 for constructing airplane danding platform at North Island. It will be 83x106 ft., and fitted with launching device under spec. 4646. Time limit, 120 days Other bids were: Wright & Doram, San Diego, $28,750, 120 days; K. E. Parker Co., San Francisco, $28,850, 150 days; Lange & Bergstrom, San Diego, $28,900, 120 days; Wm Simpson Constr. Co., Los Angeles, $34,500, 150 days; W. E. Kier Constr. Co., San Diego, $35,850, 150 days; deWaard & Cobham, San Diego, $36,500; Allen Pope, Washington, $56,200, 120 days; Newport Contracting & Engineering Co., Newport News, $68,719.

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Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

$1000 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
2499	Hale	Owner	1800
2500	Hind	Hind	4000
2501	Hind	Hind	15000
2502	Hind	Hind	7000
2503	Dixon	Peerless	7000
2504	French	Owner	3000
2505	Foley	Owner	10000
2506	Heiman	Cohn	22000
2507	Lapham	Lapham	8000
2508	Rap	Fennell	1800
2509	McKillop	Owner	2000
2510	Wood	Peterson	3365
2511	Farr	Heded	6200
2512	Meacham	Callaghan	5100
2513	Anderson	Anderson	5000
2514	S F News	Mealey	32000
2515	Benson	Owner	2000
2516	Brasefield	Diestel	1000
2517	Glass	Marshall	1500
2518	Hall	Owner	9000
2519	Lurie	Martinelli	25000
2520	Costello	Owner	6000
2521	Cerruti	Owner	40000
2522	Chapman	Owner	3750
2523	Rosenblatt	Owner	9000
2524	Anguilas	Owner	3000
2525	Schroder	Owner	3500
2526	Hind	Hind	7000
2527	Same	Same	5000
2528	Same	Same	5000
2529	Same	Same	5000
2530	Same	Same	4000
2531	Klute	Meyer	4400
2532	Farris	Otten	10000
2533	Hunt	Bienfield	9500
2534	California	MacDonald	1725
2535	Patterson	Heyer	3000
2536	Gullmes	Owner	2500
2537	Gibson	Beyer	7000
2538	Hansen	Owner	3000
2539	Same	Same	4000
2540	Montgomery	Diestel	5000
2541	Ferrari	Brisa	6300
2542	Stich	Steur	46500
2543	Samuel	Knittle	1331
2544	Same	Zelinsky	1960
2545	Same	Klimm	1507
2546	Same	Jensen	48600
2547	Stateler	Leiter	22960
2548	Cooper	Mayer	1150
2549	Weddle	Hooper	9000
2550	Furrer	Owner	10500
2551	Forni	Nolpatti	2200
2552	Madden	Owner	2900
2553	Boeriche	Hanson	1000
2554	Boyle	Arras	2290
2555	Berent	Hardy	9000
2556	Sarie	Same	9000
2557	Same	Same	8500
2558	Fair	Little	150000
2559	Sivers	Berge	10000
2560	Schumacher	Owner	5000
2561	Soenick	Sparge	4800
2562	Same	Hogberg	4250
2563	Harrison	Hinson	9512
2564	Sargent	Black	3250
2565	Ferrari	Brisa	6390
2566	Voorhies	Owner	6000
2567	Jorgensen	Owner	30000
2568	Sacramento	MacDonald	500000
2569	Hovey	Owner	10000
2570	Gluck	Sockolov	25000
2571	Stich	Mission	8800
2572	Davaras	Mission	124313
2573	Smith	Atlas	15090
2574	Same	Davison	6571
2575	Same	Newbery	2059
2576	Same	Scott	1230
2577	Weddle	Hooper	10100
2578	Schimedell	Vogt	7500
2579	Tiegeler	Arras	5190
2580	S. F.	Taylor	3937

ADDITIONS

(2499) NO. 2000 BROADWAY. Minor additions to residence.
Owner—O. A. Hale, 2000 Broadway, San Francisco.
Architect—Bliss & Faville, Balboa Bldg San Francisco.
Day's work. $1800

DWELLING

(2500) N CRESCENT AVE. 71 N Mission. One-story and basement frame dwelling.
Owner—Alfred E. Hind, care Architect.
Architect— W.G. Hind, Mission and Crescent Ave., San Francisco.
Contractor—Harry W. Hind, care Architect. $4000

STORES AND FLATS

(2501) E MISSION 25, 50 and 75 N Crescent. Three 2-story frame store and flat buildings
Owner—Alfred E. Hind, care Architect.
Architect—W. G. Hind, Mission and Crescent Ave., San Francisco.
Contractor—Harry W. Hind, care Architect. $5000 each

STORE AND FLATS

(2502) NE MISSION AND CRESCENT Ave. Two-story frame store and (3) flats.
Owner—Alfred E. Hind, care Architect.
Architect—W. G. Hind, Mission and Crescent Ave., San Francisco.
Contractor—Harry W. Hind, care Architect. $7000

FLATS

(2503) E TWENTIETH AVE. 200 N Irving. Two-story and basement frame (2) flats.
Owner—Mrs. H. E. Dixon, 3867 18th St., San Francisco.
Architect—None.
Contractor—Peerless Construction Co., 3867 18th St., San Francisco. $7000

DWELLING

(2504) NE THOMAS AVE. 195 SE Lane. One-story and basement frame dwelling.
Owner—W. M. French, 605 Lisbon St., San Francisco
Architect—None.
Day's work. $3000

FLATS

(2505) E SIXTEENTH AVE. 95 S California. Two-story and basement frame (2) flats.
Owner—May E. Foley, 770 5th Ave., San Francisco.
Architect—Jno. J. Foley, 770 5th Ave., San Francisco.
Day's work. $10,000

STORES AND APARTMENTS

(2506) NE MISSION AND SEVENteenth. Two-story class C stores and apartments.
Owner—S. Heiman, 57 Post St., San Francisco.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—Louis J. Cohn, 110 Sutter St., San Francisco. $22,000

DWELLING

(2507) NE GEARY AND THIRTY seventh Ave. Two-story and basement frame dwelling.
Owner—A. R. Lapham, 6311 Geary St., San Francisco
Architect—None.
Contractor—Lapham Bldg. Co., 6311 Geary St., San Francisco. $8000

ALTERATIONS

(2508) NE MINNA AND SECOND. Extend freight elevator shaft in loft building.
Owner—John Rapp, 1 Presidio Terrace, San Francisco.
Architect—None.
Contractor—Fennell & Chisholm, 180 Jessie St., San Francisco. $1800

WAREHOUSE

(2509) SE NINETEENTH and Harrison. Concrete floor; plumbing, electric work, etc., for warehouse.
Owner—Daniel McKillop, 540 Cole St.
Architect—None.
Day's work. $2000

5-STORY BLDG.

(2510) NW JACKSON and Franklin W 40 x N 100. Painting and decorating for five-story building.
Owner—Meyer Wood, 1824 Jackson St., San Francisco.
Architect — W. L. Schmolle, 40 Montgomery St., San Francisco.
Contractor—Martin Peterson, 273 4th Ave., San Francisco.
Filed June 16, 1922. Dated Apr. 28, 1922.
Monthly payments 75%
Balance 25%
TOTAL COST, $3365
Bond, none. Sureties, none. Forfeit, none. Limit, 21 days. Plans and specifications filed

RESIDENCE

(2511) W THIRTY-THIRD AVE. 50 S Lincoln Way S 25xW 90. All work for a 2-story and basement frame residence.
Owner—Christine G. Barr.
Architect—W. H. Armitage, 72 New Montgomery St., San Francisco.
Contractor—Gustaf Heded, 224 Laidley St., San Francisco.
Filed June 16, 1922. Dated June 2, 1922.
1st floor joists on. .....$ 800
Frame up 800
Brown coated 1550
White coated 750
Completed and accepted..... 750
Usual 35 days..... 1550
TOTAL COST, $6200
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(2512) N HAIGHT 106-3 W MASONIC Ave., being 1426-28 Haight St. Alterations to building.
Owner—Fred E. Meacham, 1410 Haight St., San Francisco.
Architect—C. S. McNally, 661 Golden Gate Ave., San Francisco.
Contractor—Jack Callaghan, 900 Clayton St., San Francisco.
Filed June 16, 1922. Dated June 8, 1922.
Roof on $1250
Plastered 1250
Finished 1350
Usual 35 days 1250
TOTAL COST, $5100
Bond, none. Sureties, none. Forfeit none. Limit, 60 days. Plans and specifications filed.

BUILDING

(2513) E FOURTEENTH AVE 180 N Kirkham All work for building
Owner—Adam Ruppel, 1429 11th Ave., San Francisco
Architect—Chas Anderson, 1264 Noe St., San Francisco.

Contractor—Charles and Christian Anderson, 1264 Noe St., San Francisco.
Filed June 16, 1922. Dated June 9, 1922.
Rough frame up $1250
Plastering completed 1250
Finished 1250
30 days after 1250
TOTAL COST, $5000
Bond, none. Sureties, none. Forfeit, none. Limit, 90 days after June 14, 1922. Plans and specifications not filed.

BRICK AND TILE WORK.
(2514) Location not given. Brick and terra cotta tile work for building.
Owner—The San Francisco News Co., 747 Howard St., San Francisco.
Architect—N. W. Sexton, Chronicle Bldg., San Francisco.
Contractor—Mealey & Collins, 180 Jessie St., San Francisco.
Filed June 16, 1922. Dated June 12, 1922
Brick work up to second floor level $8000
Same to third floor level..... 8000
Completed and accepted 8000
Usual 35 days 8000
TOTAL COST, $32,000
Bond, $16,000. Sureties, Fidelity & Deposit Co. Forfeit, none. Limit, July 30, 1922. Plans and specifications filed.

(2515) E ASHTON AVE. 275 N Holloway. One-story and basement frame dwelling.
Owner—Gustav Benson, 325 Lowell St., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Day's work. $2000

REPAIRS
(2516) NO. 2517 CALIFORNIA. Repair fire damage to flats.
Owner—J. Brasefield, 232 Ellis St., San Francisco.
Architect—None.
Contractor—John Diestel, 248 Russ Bldg., San Francisco. $1000

ALTERATIONS
(2517) NO. 2608 SUTTER. Construct steps; brick foundation, and alter for private garage.
Owner—M. and M. Glass, 1524 Octavia St., San Francisco.
Architect—None.
Contractor—R. A. Marshall, 1524 Octavia St., San Francisco. $1500

DWELLINGS
(2518) W SAN BENITO 42, 82 and 122 S Monterey Blvd. Three 1-story and basement frame dwellings.
Owner—C. A. Hall, 1301 4th Ave., San Francisco.
Architect—None.
Day's work. $3000 each

PRINTING PLANT
(2519) S HOWARD 400 W 5th. One-story concrete printing plant.
Owner—Louis R. Lurie, Mills Bldg., San Francisco.
Architect — O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—J. Martinelli, 180 Jessie St., San Francisco. $25,000

DWELLINGS
(2520) N ANZA 60 and 90 W Thirty-third Ave. Two one-story and basement frame dwellings.
Owner—Costello Bros., 18 Ney St., San Francisco.
Architect—None.
Day's work $3000 each

STORES, ETC.
(2521) W COLUMBUS AVE near Greenwich. Two-story Class C reinforced concrete stores, offices and hall.
Owner—Edward Cerruti, 901 Columbus Ave., San Francisco.
Architect — Righetti & Hirschfield, 12 Geary St., San Francisco.
Day's work. $40,000

FRAME FLATS
(2522) E EIGHTEENTH AVE 237 N Judah. Two-story and basement frame (2) flats.
Owner—George Chapman, 1848 Fell St., San Francisco.
Architect—None.
Day's work. $3750

RESIDENCE
(2523) E TWENTY-SEVENTH AVE 125.19 N West Clay. Two-story and basement frame residence.
Owner—Martin Rosenblatt, % S. & G Gump Co., Post St., S. F.
Architect—S. L. Hyman, 424 Foxcroft Bldg., San Francisco.
Day's work. $9000

GARAGE
(2524) N UNION bet. Hyde & Leavenworth. One-story concrete private garage.
Owner—Mrs. M. Anguilas, 1132 Union St., San Francisco.
Architect—F. S. Holland, 1629 Folsom St., San Francisco.
Day's work. $3000

ALTERATIONS
(2525) NO. 2400 WASHINGTON. Remodel residence into (2) flats; addition of kitchen and bath.
Owner—John G. Schroder, Premises.
Architect—Ernest H. Hildebrand, 110 Sutter St., San Francisco.
Day's work. $5500

STORE AND FLATS
(2526) E CRESCENT AVE & MISSION NE 25xSE 71 Ptn Lot 8 Blk "G." French and Gilman Tract. All work for two-story frame building (store and flats).
Owner—Alfred E. Hind, % Architect.
Architect—W. G. Hind, Mission and Crescent Ave., San Francisco.
Contractor—Harry W. Hind, % Architect.
Filed June 19, '22. Dated June 17, '22.
Rustic and roof on.....$1750
Brown plastered 1750
Completed and accepted..... 1750
Usual 35 days..... 1750
TOTAL COST, $7000
Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

STORE AND FLAT
(2527) SE MISSION 75 NE Crescent Ave NE 25xSE 71 Ptn Lot 5 Blk "G" French & Gilman Tract. All work for two-story frame building (store and flat).
Owner—Alfred E. Hind, % Architect.
Architect—W. G. Hind, Mission and Crescent Ave., San Francisco.
Contractor—Harry W. Hind, % Architect.
Filed June 19, '22. Dated June 17, '22.
Rustic and roof on.....$1250
Brown plastered 1250
Completed and accepted..... 1250
Usual 35 days..... 1250
TOTAL COST, $5000
Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

STORE AND FLATS
(2528) SE MISSION 50 NE Crescent Ave NE 25xSE 71 Lot 6 Blk "G." French and Gilman Tract. All work for two-story frame building (store and flats.)
Owner—Alfred E. Hind, % Architect.
Architect—W. G. Hind, Mission and Crescent Ave., San Francisco.
Contractor—Harry W. Hind, % Architect.
Filed June 19, '22. Dated June 17, '22.
Rustic and roof on.....$1250
Brown plastered 1250
Completed and accepted..... 1250
Usual 35 days..... 1250
TOTAL COST, $5000
Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

STORE AND FLAT
(2529) SE MISSION 25 NE Crescent Ave NE 25xSE 71 Lot 7 Blk "G," French and Gilman Tract. All work for two-story frame building (store and flat).
Owner—Alfred E. Hind, % Architect.
Architect—W. G. Hind, Mission and Crescent Ave., San Francisco.
Contractor—Harry W. Hind, % Architect.
Filed June 19, '22. Dated June 17, '22.
Rustic and roof on.....$1250
Brown plastered 1250
Completed and accepted..... 1250
Usual 35 days 1250
TOTAL COST, $5000
Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

DWELLING
(2530) NE CRESCENT AVE 71 SE Mission SE 29xNE 100 Ptn Lots 5, 6, 7 and 8 Blk "G," French and Gilman Tract. All work for a frame dwelling.
Owner—Alfred E. Hind, % Architect.
Architect—W. G. Hind, Mission and Crescent Ave., San Francisco.
Contractor—Harry W. Hind, % Architect.
Filed June 19, '22. Dated June 17, '22
Rustic and roof on.....$1000
Brown coated 1000
Completed and accepted..... 1000
Usual 35 days..... 1000
TOTAL COST, $4000
Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

COTTAGE
(2531) W TWENTY-THIRD AVE 275 S Geary. All work for six-room frame cottage.
Owner — Wm. Klute, 489 Haight St., San Francisco
Architect—None.
Contractor — Meyer Bros., 5326 Geary St., San Francisco.
Filed June 19, '22. Dated June 14, '22.
Frame up $1100
Brown coated 1100
Completed 1100
Usual 35 days..... 1100
TOTAL COST, $4400
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications, none.

FLATS
(2532) N TARAVAL 32-6 W 21st Ave W 25 x N 100. All work for a two-story frame building, flats.
Owner—Jeannette H. Farris, 3366 Sacramento St., San Francisco.
Architect—None.
Contractor—H. P. Otten, 131 10th Ave., San Francisco.
Filed June 19, 1922. Dated June 14, 1922.
Frame up $2250
Brown coated 2250
Completed and accepted 2250
Usual 35 days 2250
TOTAL COST, $10,000
Bond, none. Sureties, none. Forfeit, none. Limit, 90 days Plans and specifications filed.

FRAME BUILDING
(2533) E THIRD AVE 107-13 S Cabrillo S 27-6 x E 120. All work except lighting fixtures for two-story frame building.
Owner—Reuben G. Hunt, 362 15th Ave., San Francisco.
Architect—None.
Contractor—D. L. Bienfield, 1405 Clement St., San Francisco.
Filed June 19, 1922. Dated June 18, 1922.
Roof completed $2375
Brown coated 2375
Completed and accepted 2375
Usual 35 days 2375
TOTAL COST, $9500
Bond, none. Sureties, none Forfeit, none Limit, Oct. 15, 1922 Plans and specifications filed

APARTMENT HOUSE
(2534) NE GOUGH and CALIFORNIA. All work for apartment house building.
Owner—California and Gough Building Co., 801 Humboldt Bank Bldg., San Francisco.
Architect—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.
Contractor—Macdonald & Kahn, 130 Montgomery St., San Francisco.
Filed June 19, 1922. Dated June 17, 1922.
Payment of all costs to be made monthly on or before 10th of each month.
Contractor to receive 6% on $10,000 monthly until paid.
TOTAL COST, $172,500
Bond, none. Sureties, none. Forfeit, none. Limit, 7 months. Plans and specifications not filed.

ALTERATIONS
(2535) NO. 871 ASHBURY. Raise flats, cement wall and make alterations.
Owner—Mrs. L. C. Patterson, Prem.
Architect—None.
Contractor—Chas. W. Heyer Jr., Mills Bldg., San Francisco. $3000

DWELLING
(2536) N JERSEY 100 E Church. Two-story and basement frame dwelling.
Owner—V. Cullnies, 1828 Castro St., San Francisco.
Architect—None.
Days work. $2500

DWELLINGS
(2537) W NINETEENTH AVE 133 and 108 S Caselli. Two two-story and basement frame dwellings.
Owner—J. C. Gibson, 1348 Leavenworth St., San Francisco.
Architect—None.
Contractor — Louis Beyer, 1184 Turk St., San Francisco. $3500 each

RESIDENCE
(2538) E PLYMOUTH AVE 129 N Ocean Ave. One-story and basement frame residence.
Owner—Walter E. Hansen, 2235 Market St., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Day's work. $3000

RESIDENCE
(2539) SE WESTWOOD DRIVE AND Elmwood Way. One-story and basement frame residence.
Owner—Walter E. Hansen, 2235 Market St., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Day's work. $4000

REPAIRS
(2540) NO 139 DOLORES. Repair fire damage to flats.
Owner—J. W. Montgomery, 101 Gough St., San Francisco.
Architect—None.
Contractor—John Diestel, 248 Russ Bldg., San Francisco. $5000

RESIDENCE
(2541) NW FELTON AND UNIVERsity. Two-story and basement frame residence.
Owner—M. V. Ferrari, Premises.
Architect—P. De Martini, 946 Broadway, San Francisco.
Contractor—A. Brisa & Co., 1047 Kearny St., San Francisco. $6300

APARTMENTS
(2542) E JONES 95 N Sutter N 42-3xE 68-9. All work except elevator, wall beds, lighting fixtures, shades, finish hardware and wall paper for five-story and basement Class C apartment house.
Owner—Ford M. Stich, 1308 Stockton St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—J. Steur, 1409 Geary St., San Francisco.
Filed June 20, '22. Dated June 12, '22.
Concrete poured to 3rd floor..$ 5,625
All concrete work poured..... 6,000
Usual 35 days..... 11,625
Standing trim on..... 5,625
Completed and accepted..... 6,000
Usual 35 days..... 11,265
TOTAL COST. $46,500
Bond, $23,250. Sureties, E. V. Lacey & J. Greenback. Limit, forfeit, none. Plans and specifications filed.

APARTMENTS
(2543) S SUTTER 45-10 E Taylor E 45-10xS 81-8. Heating for three-story reinforced concrete store and apartment house.
Owner—Mortimer A. Samuel.
Supervising Architect — August G. Headman, Call Bldg., S. F.
Contractor—Knittle-Cashel Co., 221 5th St., San Francisco.
Filed June 20, '22. Dated June 6, '22.
Roughed in $499
Completed and accepted..... 499
Usual 35 days..... 333
TOTAL COST, $1331
Bond, $666. Sureties, Fred Amman and Jas. Pinkerton. Limit, 30 days. Forfeit, $20. Plans and specifications filed.

(2544) PAINTING, TINTING AND papering on above.
Contractor—R. Zelinsky, 180 Jessie St., San Francisco.
Filed June 20, '22. Dated June 6, '22.
Interior wood work 3rd coat....$735
Completed and accepted..... 735
Usual 35 days..... 490
TOTAL COST, $1960
Bond, $980. Sureties, Marion D. Cohn and M. H. Gnecco. Limit, 60 days. Forfeit, $20. Plans and specifications filed.

(2545) ELECTRIC WORK ON ABOVE
Contractor—Frank J. Klimm, 221 Oak St., San Francisco.
Filed June 20, '22. Dated June 6, '22.
Roughed in $565
Completed and accepted..... 565
Usual 35 days..... 377
TOTAL COST, $1507
Bond, $754. Sureties, J. Donovan and David Lyons. Limit, 45 days. Forfeit, $20. Plans and specifications filed.

(2546) EXCEPT PAINTING, PLUMBing, heating, electric work, wall beds, electric fixtures, shades, excavating and mantel faces on above
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
Filed June 20, '22. Dated June 6, '22.
Concrete poured to 2nd floor and 2nd floor joists in place....$15,200
Concrete poured up to and including fire walls and finish roof 7,700
Brown coated & 1st coat plaster on exterior..... 7,700
Completed and accepted..... 7,700
Usual 35 days..... 10,300
TOTAL COST, $48,600
Bond, $24,300. Sureties, John A. Grennan and Geo. W. Hooper. Limit, 120 days. Forfeit, $40. Plans and specifications filed.

APARTMENTS
(2547) W FOURTEENTH AVE 216 S Anza S 48xW 127-6. All work for two-story and basement frame apartment building
Owner—Mrs. Lillian Stateler, 1360 Washington St., San Francisco
Architect—Henry H. Meyers, Kohl Bldg., San Francisco
Contractor — E. T. Leiter & Sons, 407 Call Bldg., San Francisco.
Filed June 20, '22. Dated June 19, '22.
$17,220 in installments of 75% of work done com. Aug. 1, 1922....
30 days after, balance..... $5740
TOTAL COST, $22,960
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

PLUMBING WORK
(2548) ST. FRANCIS WOOD, 3rd Lot on Santa Ana Ave. Plumbing work for residence.
Owner—R. J. Cooper, 750 Monadnock Bldg., San Francisco.
Architect—Kenneth MacDonald Jr., and Maurice C. Couchot, 110 Sutter St., San Francisco.
Contractor—Albach & Mayer, 85 Dorland St., San Francisco.
Filed June 20, '22. Dated June 12, '22.
End of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $1150
Bond, none. Limit, 60 days. Forfeit, plans and specifications, none.

FRAME FLATS
(2549) E CLAYTON 100 S Fulton Two-story and basement frame (2) flats.
Owner—Robt. E. Weddle, 31 Shrader St., San Francisco.
Architect—J. M. Hooper, 33 Guerrero St., San Francisco.
Contractor—J. M. Hooper, 33 Guerrero St., San Francisco. $9000

FRAME FLATS
(2550) S FIFTEENTH 150 E Church. Two-story and basement frame (2) flats.
Owner—A. Furrer, % Architect.
Architect—Martin A. Sheldon, 110 Sutter St., San Francisco.
Day's work. $10,500

DWELLING
(2551) S NEVADA 125 N Cortland Ave. One-story and basement frame dwelling.
Owner—E. Forni, 199 Bank St., S. F.
Architect—None.
Contractor—G. D. Nolpattl, 301 Nevada St., San Francisco. $2200

DWELLING
(2552) S PALM AVE 275 E Quint. One-story and basement frame dwelling.
Owner — Madden-Hammersmith Development Co., 530 Pacific Bldg., San Francisco.
Architect—None.
Day's work. $2900

ALTERATIONS
(2553) NO. 108 POWELL. Construct mezzanine floor in drug store; composition board ceiling.
Owner—Boeriche & Runyon, Premises.
Architect—None.
Contractor—H. J. Hanson, 180 Jessie St., San Francisco. $1000

ALTERATIONS
(2554) NO. 2011 VALLEJO. Construct concrete in front garage of present building.
Owner—John Boyle, Premises.
Architect—None.
Contractor—Adam Arras Co., 185 Stevenson St., San Francisco. $2290

FRAME FLATS
(2555) NE CABRILLO & TWENTIETH Ave. Two-story and basement frame (4) flats.
Owner—Blanche Bercut, 1610 Anza St., San Francisco.
Architect—Erle J. Osborne, Balboa Bldg., San Francisco.
Contractor—A. M. Hardy, 518 24th Ave., San Francisco. $9000

FRAME FLATS
(2556) E TWENTIETH AVE 68 N Cabrillo. Two-story and basement frame (2) flats.
Owner—Blanche Bercut, 1610 Anza St., San Francisco.
Architect—Erle J. Osborne, Balboa Bldg., San Francisco
Contractor—A. M. Hardy, 518 24th Ave., San Francisco. $9000

FRAME FLATS
(2557) E TWENTIETH AVE 74 N Cabrillo Two-story and basement frame (2) flats.

Owner—Blanche Bercut, 1610 Anza St., San Francisco.
Architect—Erle J. Osborne, Balboa Bldg., San Francisco.
Contractor—A. M. Hardy, 518 24th Ave., San Francisco. $8500

APARTMENTS
(2558) NE BAKER AND GREEN. Six-story and basement Class A (steel and concrete) 13 apartments.
Owner—Bruce Fair, % Contractor.
Architect—Edward E. Young, 251 Kearny St., San Francisco.
Contractor—M. A. Little, 805 Bush St., San Francisco. $150,000

DWELLING
(2559) W SAN BENITO 250 N Monterey Two-story and basement frame dwelling.
Owner—L. K. Siverson, 1234 30th Ave., San Francisco.
Designer—Julius Berge, 1234 30th Ave., San Francisco.
Contractor — Julius Berge, 1234 30th Ave., San Francisco. $10,000

STORE AND FLAT
(2560) SE ULLOA & WEST PORTAL. Two-story frame store and flat.
Owner—E. A. Schumacher, 412 Call Bldg., San Francisco.
Plans by Owner.
Day's work. $5000

BUILDING
(2561) S McALLISTER 78 E Webster. Rough carpenter work, mill work, rough & finish hardware, Kawneer bars for building.
Owner—A. G. & J. Sosnick, % Architect
Architect—Mel. I. Schwartz, Nevada Bk. Bldg., San Francisco.
Contractor—John Spargo, 240 Montgomery St., San Francisco.
Filed June 21, '22. Dated June 17, '22
Roof boards on.....$1800
Completed and accepted..... 1800
Usual 35 days..... 1200
TOTAL COST, $4800
Bond, $2400. Sureties, N. Bronstein & Thos. H. Price. Limit, 20 days. Forfeit, plans and specifications, none.

(2562) BRICK WORK AND MASONRY on above.
Contractor—Emil Hogberg, 180 Jessie St., San Francisco.
Filed June 21, '22. Dated June 9, '22.
Walls up to receive ceiling joists $2000.00
Completed and accepted..... 1187.50
Usual 35 days..... 1062.50
TOTAL COST, $4250.00
Bond, $2125. Sureties, C. G. Berg and O. Monson. Limit, 10 days. Forfeit, plans and specifications, none.

BUILDING
(2563) E COLE 36-7 N Parnassus Ave. All work except painting, light fixtures, shades and finished hardware for building.
Owner—A. B. Harrison.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Contractor—L. A. Hinson, 1228 Grove St., San Francisco.
Filed June 21, '22. Dated June 19, '22.
Walls ready for roofing.....$2378
Plastered 2378
Completed and accepted..... 2378
Usual 35 days..... 2378
TOTAL COST, $9512
Bond, $4756. Sureties, F. K. McComber and W. L. Nagel. Limit, 80 days. Forfeit, $10. Plans and specifications filed

ALTERATIONS
(2564) S LAKE 57-6 E Twenty-fourth Ave. All work for altering residence.
Owner—Helen M. Sargent, 2236 Lake St., San Francisco.
Architect — Geo. Clark Sargent, 2235 Lake St., San Francisco.
Contractor—W. J. Black, 1306 Guerrero St., San Francisco.
Filed June 21, '22. Dated June 20, '22.
Frame up and enclosed.....$812
White coated and trim on..... 812
Completed and accepted..... 812
Usual 35 days..... 814
TOTAL COST, $3250
Bond, $1625. Surety, Massachusetts Bonding & Insurance Co. Limit, Aug. 1, 1922. Forfeit, $5. Plans and specifications filed.

RESIDENCE
(2565) NW FELTON AND UNIVERSITY W 120xN 100. All work except brick work and brick mantels, plumbing, painting, electric fixtures, shades, finish hardware and concrete work for building.
Owner—Victor Ferrari, Premises.
Architect—P. De Martini, 946 Broadway San Francisco.
Contractor—A. Brisa and C. Quagelli, 1047 Kearny St., San Francisco.
Filed June 21, '22. Dated June 1, '22.
Roofing done $1500
Brown coated 1500
Completed and accepted..... 1650
Usual 35 days..... 1650
TOTAL COST, $6300
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

FRAME FLATS
(2566) W FOURTEENTH AVE 162 N Balboa. Two-story and basement frame (2) flats.
Owner—Voorhies-Newman Co., 50 Divisadero St., San Francisco.
Architect—None.
Day's work. $6000

APARTMENTS
(2567) W LEAVENWORTH 110 N Post. Four-story and basement Class C (16) apartments.
Owner — Carl Jorgensen, 604 Mission St., San Francisco.
Architect—Edward E. Young, 251 Kearny St., San Francisco.
Day's work $30,000

APARTMENTS
(2568) SE POWELL AND SACRAMENTO. Nine-story and basement mezzanine floor apartments.
Owner—Sacramento-Powell Co., S. F.
Architect—MacDonald & Couchot, 234 Pine St., San Francisco.
Contractor — MacDonald & Kahn, 130 Montgomery St., San Francisco. $500,000

ALTERATIONS
(2569) NO. 2715 SACRAMENTO. Alter residence into (2) flats.
Owner—Mrs. Lizzie G. Hovey.
Architect—Bliss & Faville, Balboa Bldg San Francisco.
Day's work. $10,000

APARTMENTS
(2570) N WASHINGTON 159 W Folk. Three-story and basement frame (12) apartments.
Owner—K. Gluck, 30 Harrison St., San Francisco.
Architect—None.
Supt. of Constr.—J. Sockolov, 2558 Clay St., San Francisco. $25,000

APARTMENTS
(2571) LOCATION NOT GIVEN. Erect forms, pour concrete, cement floors and walls and walks and erect retaining wall for five-story Class C apartments.
Owner—F. M. Stich, 1308 Stockton St., by J. Steur, 1409 Geary St., General Contractor.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Sub-Contractor—Mission Concrete Co., Call Bldg., San Francisco.
Filed June 22, '22. Dated June 20, '22.
3rd floor poured.....$2200
Fire wall poured..... 2200
Forms stripped and lumber cleared from premises..... 2200
Usual 35 days..... 2200
TOTAL COST, $8800
Bond, none. Limit, 50 days. Forfeit, plans and specifications, none.

APARTMENTS
(2572) NW EIGHTH AVE AND FULTON, 80x100. All work for Class C apartment house, garage & store building.
Owner—James Duvaras, 3200 Fulton St., San Francisco.
Architect—Henry Shermund, Hearst Bldg., San Francisco.
Contractor—Mission Concrete Co., Call Bldg., San Francisco.
Filed June 22, '22. Dated June 15, '22.
Foundations completed .....$ 5,000
Concrete walls poured to 3rd floor 15,000
Concrete walls poured to roof 15,000
Rough wood partitions placed. 15,000
3rd floor brown coated & rough plumbing and electric work done 15,000
Wood trim placed 15,000
Completed and accepted..... 15,000
Usual 35 days..... 22,319
TOTAL COST, $124,319
Bond, none. Limit, prior to Dec. 31, 1922. Forfeit, $25 a day. Bonus, $25 a day. Plans and specifications, none.

EXCAVATION, ETC.
(2573) NE SUTTER AND TAYLOR. Excavation, concrete and reinforcing steel work for building.
Owner—Geo. D. Smith.
Architect — Edw. T. Foulkes, 1106 Crocker Bldg., San Francisco.
Contractor — Atlas Concrete Co., 180 Jessie St., San Francisco.
Filed June 22, '22. Dated Apr. 12, '22.
10 days after 1st of each month 75%
Usual 35 days..... 25%
TOTAL COST, 15,090
Bond, $5545. Sureties, L. B. Sibley and Steven Guerin. Limit, 90 days. Forfeit, none. Plans and specifications filed.

(2574) PLUMBING ON ABOVE.
Contractor—Frank Davison, 779 Folsom St., San Francisco.
Filed June 22, '22. Dated June 8, '22.
Payments same as above.....
TOTAL COST, $6574
Bond, ——. Sureties, F. L. Hansen and Frederick Siegrist. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

(2575) ELECTRIC WORK ON ABOVE.
Contractor—F. E. Newbery Elec. Co., Lick Bldg., San Francisco.
Filed June 22, '22. Dated June 8, '22
Payments same as above.....
TOTAL COST, $2059
Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

(2576) HEATING ON ABOVE.
Contractor—Scott Co., 243 Minna St., San Francisco.
Filed June 22, '22. Dated June 8, '22.
Payments same as above.....
TOTAL COST, $1230
Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

FRAME FLATS
(2577) E CLAYTON 100 S Fulton. All work for two-story frame flats.
Owner—Robt. E. and Ellen Weddle, 31 Shrader St., San Francisco.
Plans by Contractor
Contractor—J. M. Hooper, 33 Guerrero St., San Francisco.
Filed June 22, '22. Dated June 19, '22
Frame up $2525
Brown coated 2525
Completed and accepted..... 2525
Usual 35 days..... 2525
TOTAL COST, $10,100
Bond, limit, forfeit, none. Plans and specifications filed.

APARTMENTS

(2578) SE POST & LEAVENWORTH. Excavation, brick work, concrete work of underpinning retaining walls, patching basement, floors, etc., for apartments.

Owner—The Schmiedell Estate, 203 California St., San Francisco.

Architect — Nathaniel Blaisdell, 255 California St., San Francisco.

Contractor—Alfred H Vogt, 135 Stevenson St., San Francisco.

Filed June 22, '22. Dated June 12, '22.

July 1st work performed and material furnished	75%
Balance to equal 75% of total contract when work completed	
Usual 35 days remaining	25%
TOTAL COST,	$7500

Bond, $5750. Sureties L. B. Sibley and M. L. McGowan. Limit, 180 days. Forfeit, $10. Plans and specifications filed.

GARAGE

(2579) N BROOK 162 S San Jose Ave. (rear of No. 3494-98 Mission St.). All work for one-story reinforced concrete garage.

Owner—Henry R. Tiegeler, 99 Valley St., San Francisco.

Architect—None.

Contractor—Adam Arras Co., 185 Stevenson St., San Francisco.

Filed June 22, '22. Dated June 21, '22.

Form work completed	$1297.50
Roof on	1297.50
Completed and accepted	1297.50
Usual 35 days	1297.50
TOTAL COST,	$5190.00

Bond, none. Limit, Aug. 16. Forfeit, none. Plans and specifications filed.

SHELTER HOUSE

(2580) AT FIRST TEE, Lincoln Park Golf Course. All work for one-story frame shelter house.

Owner—Park Commissioners of City and County of San Francisco.

Architect—George W. Kelham, Sharon Bldg., San Francisco.

Contractor—Taylor & Jackson, 296 Tehama St., San Francisco.

Filed June 22, '22. Dated June 7, '22.

Concrete poured	40%
Completed and accepted	35%
Usual 35 days	25%
TOTAL COST,	$3937

Bond, $3937. Surety, American Indemnity Co. Limit, 40 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded — Accepted

June 22, 1922—W FORTY-FOURTH AVE 275, 300, 325, 350, 375 and 400 S Geary. Meyer Bros to whom it may concern.....June 22, 1922

June 22, 1922—SW ELEVENTH AVE and Balboa 25x95. Clifford Conly to whom it may concern..June 21, 1922

June 22, 1922—S CLEMENT 107-6 E 6th Ave E 25 x S 100. Timothy J. and Anne Sheehan to John Spargo .....June 20, 1922

June 22, 1922—W SEVENTH AVE 225 N Kirkham 25 x 120. L. Fazzi to T. L. Sharman .....June 22, 1922

June 21, 1922—W THIRD AVE 99-9¼ S "C" S 25 W 110 W 30 E 32-6 S 5 E 87-6. Wm A and Mg Anna Farrell to K Adler .....June 20, 1922

June 21, 1922—W SIXTEENTH AVE 225 S Balboa 31-3x120. Homer D Tyler to F C Amorosio..June 19, 1922

June 21, 1922—LOT 21 BLK 3166, Westwood Park. P. J and Ella M. Haggerty to Nelson Bros.....June 18, 1922

June 21, 1922—LOTS 19 and 20, BLK 3137, Westwood Park. Walter E. Hansen to whom it may concern .....June 21, 1922

June 21, 1922—NE 28TH AVE AND Geary. H F Wobig to Meyer Bros .....June 17, 1922

June 21, 1922—N SPEAR bet. Market and Mission. Southern Pacific Co. to Dwan & Co .....June 12, 1922

June 20, 1022—S DUNCAN 26-6 E Diamond. I. O. Peurala to whom it may concern.....June 20, 1922

June 20, 1922—LOT 24, BLK 6379, Addn to Mission and 30th St Extn Hd. H. A. and A. Dissmeyer to Jas. Low .....June 15, 1922

June 20, 1922—S ANZA 107-6 W 19th Ave. I. Schuman and Thos .H. Martin to whom it may concern.....June 20, 1922

June 20, 1922—S FULTON 231-3 W Ashbury W 25xS 137-6. E A Garin to whom it may concern.June 19, 1922

June 20, 1922—E TWENTY-FOURTH Ave 240 and 265 N Fulton. W C Edwards to whom it may concern .....June 20, 1922

June 20, 1922—E TWENTIETH AVE 175 S Cabrillo S 25xE 120. John E Hanson and Mannie J Peterson to whom it may concern.June 19, 1922

(S. F. News continued on Page 3)

June 19, 1922—W MISSION 365.90 N Charles N 25 W 54 m or l S 25 m or l S 25 m or l E 56. John Bjorkman to whom it may concern.June 17, '22

June 19, 1922—W MISSION 390.90 N Charles N 18.36 NE 6.64 W 53.28 S 24.79 E 54. John Bjorkman to whom it may concern..June 17, 1922

June 19, 1922—N OAKDALE AVE 175 NE Newhall SE 50xNE 100 Ptn Lots 24 and 25 Blk 290 O'Neil & Haley Tract. Stephen A Turner to Christian Homerer and John Michaels.....June 15, 1922

June 19, 1922—N CRESCENT W line Lot 21 W 75xE 25 Ptn Lot 21 Blk "G." French & Gilman. Alfred E Hind to Harry W Hind.June 17, 1922

June 19, 1922—N JACKSON 115-6 E Broderick E 95-8 2-5xN 128-8¼. H Kaliský to A J Reeder..June 19, 1922

June 19, 1922—E TWENTY-FIFTH Ave 100 & 125 N Geary. Jonathan Anderson to Meyer Bros.....June 19, 1922

June 19, 1922—N CRESCENT 25. E from W line Lot 21 N 75 E to Holly SE 32 m or l S 48 m or l W 25. Alfred E Hind to Harry W Hind .....June 17, 1922

June 19, 1922—N TURK 192-6 W Taylor 55x137-6. Thos McDougall to Monson Bros.....June 19, 1922

June 19, 1922—N CRESCENT 50 E from W line Lot 21 N 48 m or l SE 56.32 m or l W 38.5. Alfred E Hind to Harry W Hind.June 17, 1922

June 17, 1922—E DIVISADERO 87-6 S McAllister, No. 834 Divisadero. Irma and C. R. Danziger to Chas. Sartorio.....June 16, 1922

June 17, 1922—W 27TH AVE 75 S Geary 25 x 45. H. W. McGracken to whom it may concern.....June 17, 1922

June 16, 1922—LOT 8 BLK 4 Sunnyside Ernest and J. M. Bachman to whom it may concern.....June 15, 1922

June 16, 1922—LOEW'S WARFIELD Theatre, cor. Market and Taylor. Loew's Warfield Theatre to A. Knowles .....June 7, 1922

June 16, 1922—NW CABRILLO AND 15th Ave. N 122-6 W 33-6 S 121-11 more or less E 32. Chas. J. Lutticken to whom it may concern.....June 14, 1922

June 16, 1922—N MORAGA 78 E 10th Ave E 25 x N 100. Arvid Peterson to whom it may concern.....June 16, 1922

June 16, 1922—NE TURK and Leavenworth E 37-6 x N 87-6. Louis R. Lurie to Vukicevich & Bagge.....June 12, 1922

June 16, 1922—LOTS 22 AND 21, BLK 1, Sunnyside. Anders M. Boe to whom it may concern .June 16, 1922

June 16, 1922—LOTS 16 AND 17 BLK 3138 Westwood Park. Hans and Esther F Nelson to whom it may concern .....June 16, 1922

June 16, 1922—LOTS 2 AND 4 BLK 3111 Westwood Park. Gordon W and Linnie Morris to whom it may concern.....June 10, 1922

June 16, 1922—S FULTON 79 W Shrader 26-7 x 80. E. A. Sweeney to whom it may concern..June 16, 1922

June 15, 1922—N EIGHTH AVE. 100 S Clement S 25xW 120. Harry L and Lena Horn to John V Stiefel .....June 12, 1922

LIENS FILED

SAN FRANCISCO COUNTY

Recorded — Amount

June 22, 1922—S CLAY 151-2 E Franklin 32-7x127-8¼. Ginsberg Tile Co vs Martin S Show, Geo D and Amy Merrill $130

June 22, 1922—NW MONTECITO AVE 105 SW Monterey Blvd SW 35 x NW 90. F. G. Norman & Sons to Mrs. Mary L. and Clarence B. Bean $50.15

June 21, 1922—S CLAY 154-3 E Franklin E 32-7 x S 127-8¼. Eureka Sash Door & Moulding Mills vs. Geo. D. Merrill, Aimee Merrill and Martin S. Show.....$867.33

June 21, 1922—LOT 3 BLK 3112 Westwood Park. Jas. L. Beal vs. Mary L. and Clarence B. Bean.....$130.00

June 21, 1922—S CLAY 154-3 E Franklin E 32-7xS 127-8¼. C Peterson Co vs Geo D and Aimee Merrill $392

June 21, 1922—NE FULTON AND Great Highway E to 49th Ave N 100 m or l S to beg. Ricardo Espino vs John Friedel. Harry F Morrison and Orie Robinson....$685

June 19, 1922—S CLAY 154-3 E Franklin E 32-7xS 127-8¼. Incandescent Supply Co vs Geo D Merrill, Aimee Merrill and Martin Show.. .....$597.70

June 17, 1922—N HEARST AVE 150 W Edna N 112-6 x W 50. J. S. Guerin & Co. vs. Giacomo Ferrero and T. Herrington.....$169.35

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Recorded — Accepted

June 16, 1922—SW POLK and CLAY S 31 x W 81-10. Maud W. Richardson as to improvements on above. .....Nov. 7, 1921

BUILDER'S BOND

N HAIGHT 106-3 W MASONIC AVE, Nos. 1426-1428 Haight. Fred E. Meacham to John W. Callaghan Jr. Surety, Herbert D. Callaghan.. Amount, $2500; value of Lot SE 6th and Judah 25 on 6th Ave and 95 on Judah.

BUILDING CONTRACTS

ALAMEDA COUNTY

$1000 and Over Reported

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
2721	Gilmore	MacGregor	5250
2722	Hueffner	Helman	3500
2723	Kaun	Mallett	2866
2724	Watson	Owens	1500
2725	Gunnip	Owens	2485
2726	Bowen	Owens	6835
2727	Burritt	Owner	9800
2728	Standard	Owner	4000
2729	Herman	Perry	8000
2730	Marquis	Owner	2200
2731	Pfrang	Owner	4000
2732	Russell	Owner	4400
2733	Marquis	Owner	4800
2734	Uxa	Owner	2200
2735	Philip	Goodrich	1400
2736	Pope	Butyke	2000
2737	MacDonald	Engler	7500
2738	Blair	Sommarstrom	41000
2739	Winthers	Howell	3500

2740	Glantz	Owner	4000
2741	Ritter	Hart	1200
2742	Norlin	Owner	2000
2743	Winterson	Mottison	1600
2744	Brotherton	Kollar	3800
2745	Johnson	Winther	2000
2746	Mattison	Owner	3000
2747	Abrusci	Kruse	2800
2748	Graham	Owner	2500
2749	Roder	Constable	3500
2750	Cardosa	Silva	4000
2751	Slattery	Weber	1150
2752	Michaels	Cederborg	1500
2753	Bowen	Morse	6000
2754	Duffy	Woods	2000
2755	Wallice	Bernhardt	4000
2756	Felt	Owner	2500
2757	Gill	Brennan	6000
2758	Husten	Bernhardt	1500
2759	McCravey	Home	6500
2760	Plummer	Henderson	5000
2761	Legris	Owner	4500
2762	Legris	Owner	4000
2763	Legris	Owner	4000
2764	Legris	Owner	4500
2765	Gillett	Hewitt	1800
2766	Holmes	Adams	5000
2767	Moylan	Rogers	4500
2768	Walnut	Lydiksen	6000
2769	Walnut	Lydiksen	2600
2770	Echlund	Almquist	3700
2771	Randall	Owner	3000
2772	Garnet	Stanley	3200
2773	Corbett	Corbett	3500
2774	Reeves	Taylor	3600
2775	Retzer	Healy	3000
2776	Randall	Randall	3000
2777	Blomberg	Gray	1100
2778	O'Hara	Rider	1000
2779	Shapiro	Hardy	3600
2780	Wishart	Owner	3000
2781	Mitrick	Clausen	4825
2782	Sperry	Sorensen	17144
2783	Cardoza	Silva	4080
2784	A. T. & S. F. Ry	Yard	4500
2785	Turner	Harris	3800
2786	Kleine	Hendrickson	3500
2787	Coit	Owner	3900
2788	Browning	Starr	1000
2789	Tilden	McCullough	1450
2790	Schutt	Long	4613
2791	Greeley	Lehman	4600
2792	Biggero	King	2850
2793	Peterson	Reisinger	2500
2794	Groden	Owner	3000
2795	Smith	Williford	4882
2796	Menziers	Smith	1500
2797	Bartlett	Bartlett	7000
2798	Anderson	Rockingham	9000
2799	Ferrero	Perona	1500
2800	Sigma Phi	Linwiddie	15475
2801	Sullivan	Bissell	8000
2802	Barton	Marshall	15000
2803	Dirk	McCord	2600
2804	Mills	Schuler	15000
2805	Isaacs	Owner	3750
2806	Same	Same	7500
2807	Same	Same	3750
2808	Same	Same	3750
2809	Same	Same	3750
2810	Same	Same	3750
2811	Same	Same	3750
2812	Olmes	Knight	3900
2813	Kiley	Ibanes	4500
2814	Regents U. C.	Pearson	580
2815	Gilfillan	Baker	3865
2816	Wickson	Koski	1200
2817	Stanton	Owner	2000
2818	Sanborn	Koski	3200
2819	Meiners	Tomalello	1300
2820	Wininger	Calif.	11500
2821	Graff	Owner	4800
2822	Lipi	Prunetti	2600
2823	Irving	Johnson	10500
2824	Boehm	Owner	3500
2825	Clair	Rheberg	2500
2826	Kopf	Owner	5000
2827	Archbald	Kopf	4000
2828	Alfire	Anderson	3000
2829	Chambers	Owner	1750
2830	Kligermain	Owner	2000
2831	King	Know	60000
2832	Oakland	Walker	750000
2833	Simpson	Schwahn	7240

DWELLING
(2721) NO. 27 MONTICELLO AVE., Piedmont. One-story 6-room dwelling.
Owner—Geo. R. Gilmore, 3003 Summit, Oakland.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland. $5250

DWELLING
(2722) NO. 633 ENSENADA, Berkeley. Two-story 6-room dwelling.
Owner—Frank Hueffner, Divisadero St. San Francisco.
Architect—None.
Contractor—J. H. Heiman, 811 Carmel Ave., Berkeley. $3500

DWELLING
(2723) NO. 1405 LE ROY, Berkeley. One-story 3-room dwelling.
Owner—Valeria S. Kaun.
Architect—None.
Contractor—Gastman Mallett Co., Acheson Bldg., Berkeley. $2866

ALTERATIONS
(2724) 5380 LAWTON, Oakland. Alterations.
Owner—O. J. Watson, premises.
Architect—None.
Contractor—W. W. Owens, 1209 Francisco St., Berkeley. $1500

ALTERATION and ADDITION
(2725) 4903 TELEGRAPH AVE., Oakland. Alteration and addition.
Owner—John Gunnip, premises.
Architect—None.
Contractor—W. W. Owens, 1209 Francisco St., Berkeley. $2485

DWELLING
(2726) LOT 13 BLK 2 Thousand Oaks Court Tract, Berkeley. Two-story frame dwelling.
Owner—H. D. Brown, Oakland.
Architect—None.
Contractor—C. R. Morse, Harry W. Hind, J. G. Monges (Morse & Hind) 1822 Hearst Ave., Berkeley.
Filed June 16, '22. Dated June 16, '22
Sheathed ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $6,835
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications, none.

2 DWELLINGS
(2727) WBEST AVE. 210 and 270 N Brookdale, Oakland. Two 1½-story 6-room dwellings.
Owner—Burritt & Shealey, 2757 Post Ave., Oakland.
Architect—None.
Day's work. $4900 each

SERVICE STATION
(2728) SE FRUITVALE AND FOOTHILL Blvd., Oakland. One-story steel service station.
Owner—Standard Oil Company.
Architect—None.
Day's work. $4000

DWELLINGS
(2729) W GREENWOOD 40 S Brighton and W Comer, Oakland. Two 1story 5-room dwellings.
Owner—Mrs. Hermann, 733 Haight St., Oakland.
Architect—None.
Contractor—J. Floyd Perry, 733 Haight St., Oakland. $4000 each

DWELLING
(2730) N MERA 90 W 39th Ave., Oakland. One-story 4-room dwelling.
Owner—E. M. Marquis, 2827 Russell St. Berkeley.
Architect—None.
Day's work. $2200

DWELLING
(2731) E THOMAS 300 N Napa. One and one-half story dwelling.
Owner—C. J. Pfrang, 480 Forest St.,
Architect—None
Day's work. $4000

DWELLINGS
(2732) W THIRTY-NINTH AVE. 435 and 470 S Carrington, Oakland. Two 1-story 4-room dwellings.
Owner—E. M. Russell.
Architect—None.
Day's work. $2200 each

DWELLINGS
(2733) W THIRTY-NINTH AVE. 125 and 50 N Mera, Oakland. Two 1-story 4-room dwellings.
Owner—E. M. Marquis, 2827 Russell St Berkeley.
Architect—None.
Day's work. $2200 and $2600

STORE
(2734) NO. 864 ALAMEDA, Berkeley. One-story brick store.
Owner—Joseph V. Uxa, 1222 Sutter St., San Francisco.
Architect—None.
Day's work. $2200

ADDITION
(2735) NO. 1215 PERALTA AVE. Berkeley. Addition.
Owner—A. Philip, Premises.
Architect—None.
Contractor—D. H. Goodrich, 2923 Newbury St., Berkeley. $1400

ALTERATIONS
(2736) NO. 2879 PIEDMONT AVE., Berkeley. Alterations.
Owner—Mrs. Pope, Premises.
Architect—None.
Contractor — O. H. Butzke, 1315 66th St., Berkeley. $2000

DWELLING
(2737) NO. 2841 RUSSELL ST., Berkeley. Two-story 8-room dwlg.
Owner—R. W. MacDonald.
Architect—None.
Contractor—Louis Engler, 2940 Forest Ave., Berkeley. $7500

APARTMENTS
(2738) NO. 2924 CLAREMONT, Berkeley. Three-story 44-room apartment house.
Owner—Mrs. G. L. Blair, 2747 College Ave., Berkeley.
Architect—None.
Contractor—Sommarstrom Bros., 1941 24th Ave., Oakland. $44,000

DWELLING
(2739) AGUA VISTA 300 W Rosedale. Oakland. One-story 5-room dwelling.
Owner—J. W. Winthers, 4026 Agua Vista Ave., Oakland.
Architect—None.
Contractor—W. L. Howell, 4064 Agua Vista Ave., Oakland. $3500

DWELLING
(2740) S BROOKWOOD ROAD, Opp Stratford Road, Oakland. One-story 5-room dwelling.
Owner—C. W. Glantz, 4611 Virginia Ave., Oakland.
Architect—None.
Day's Work. $4000

ALTERATIONS
(2741) 1772 EIGHTY-FIRST AVE, Oakland. Alterations and addition.
Owner—R. Ritter, premises.
Architect—None.
Contractor—T. C. Hart, 2419 E 20th St., Oakland. $1200

DWELLING
(2742) W EIGHTIETH AVE 547 S E-14th St., Oakland. One-story 5-room dwelling.
Owner—R. Norlin, 2076 84th Ave., Oakland.
Architect—None.
Day's Work. $2000

ADDITION
(2743) 1450 FIFTY-SECOND AVE, Oakland. Addition.

Owner—Miss Winterson, premises.
Architect—None.
Contractor—E. T. Mattison, 3328 Maple Ave., Oakland. $1600

DWELLING
(2744) N FORTIETH ST 200 E Broadway, Oakland. One-story 5-room dwelling.
Owner—R. E. Brotherton, 254 40th St., Oakland.
Architect—None.
Contractor—Karl Skollar, 254 40th St., Oakland. $3800

DWELLING
(2745) S LOCKWOOD 290 E 73rd Ave, Oakland. One-story 4-room dwelling.
Owner—Alfred Johnson, 1630 61st Ave., Oakland.
Architect—None.
Contractor—V. Winther, 1700 36th Ave., Oakland. $2000

DWELLING
(2746) W LAGUNA 45 S SCENIC, Oakland. One-story 5-room dwelling.
Owner—W. W. Mattison, 3328 Maple Ave., Oakland.
Architect—None.
Day's Work . $3000

DWELLING
(2747) S PRINCETON 140 W Cole St., Oakland. One-story 5-room dwlg.
Owner—Vincent Abrusci, 1422 14th St., Oakland.
Architect—None.
Contractor—H. H. Kruse, 6200 Majestic Ave., Oakland. $2800

DWELLING
(2748) W OCTAVIA 367 S Penniman, Oakland. One-story 4-room dwlg.
Owner—C. H. Graham, 4220 E-16th St., Oakland.
Architect—None.
Day's work. $2500

ALTERATIONS
(2749) NO. 1670 SIXTEENTH ST., Oakland. Alterations and additions.
Owner—J. Roder.
Architect—None.
Contractor — W. C. Constable, 2306 School St., Oakland. $3500

DWELLING
(2750) N SUNNYSLOPE 65 E Jean St., Oakland. One-story 6-room dwlg.
Owner—Mary Cardosa, 92 4th St., Okd.
Architect—None.
Contractor—J. P. Silva, 870 46th St., Oakland. $4000

ALTERATIONS
(2751) NO. 856 THIRTIETH ST., Oakland. Alterations and additions.
Owner—Martin Slattery, Premises.
Architect—None.
Contractor—Richard Weber, 1140 66th St., Oakland. $1150

ALTERATIONS
(2752) NO. 375 VAN BUREN AVE., Oakland. Alterations.
Owner—Mrs. Sydnia A. Michaels, Prem.
Architect—Reed & Corlett, Oakland Bk of Savings Bldg., Oakland.
Contractor—A. Cederborg, 1445 Excelsior Ave., Oakland. $1500

DWELLING
(2753) NO. 800 ARLINGTON, Berkeley. Two-story 7-room dwelling.
Owner—H. D. Bowen, 309 Beverly Place, Berkeley.
Architect—None.
Contractor—Morse & Hind, 1822 Hearst Ave., Berkeley. $6000

ADDITION
(2754) NO. 2356 CHANNING WAY, Berkeley. Addition.
Owner—C. W. Duffy, Premises.
Architect—None.
Contractor—J. B. Woods. $2000

ALTERATIONS
(2755) HOTEL WHITECOTTON BLDG Berkeley. Alterations.
Owner—C. B. Wallice.
Architect—None.
Contractor—G. L. Bernhardt, 2168 Shattuck Ave., Berkeley. $4000

DWELLING
(2756) NO. 2323 McGEE, Berkeley. One-story 6-room dwelling.
Owner—R. D. Felt, 1732 Channing Way Berkeley.
Architect—None.
Day's work. $2500

DWELLING
(2757) NO. 1954 LOS ANGELES, Berkeley. Two-story 7-room dwlg.
Owner—J. A. Gill.
Architect—None.
Contractor—J. P. Brennan, 1519 Hearst Ave., Berkeley. $6000

ALTERATIONS
(2758) NO. 2216 SHATTUCK AVE., Berkeley. Alterations.
Owner—Husten Bros.
Architect—None.
Contractor—G. L. Bernhardt, 2168 Shattuck Ave., Berkeley. $1500

DWELLING
(2759) NO. 701 SPRUCE ST., Berkeley Two-story 8-room dwelling.
Owner—John McCravey, Rio Vista, Calif.
Architect—None.
Contractor—Home Constr. Co., 2133 University Ave., Berkeley. $6500

DWELLING
(2760) NO. 1112 WALNUT, Berkeley. Two-story 8-room dwelling.
Owner—B. E. Plummer.
Architect—None
Contractor—E. F. Henderson, 5744 Keith Ave., Oakland. $5000

DWELLING
(2761) SE COR EL CENTRO and Edgewood, Oakland. One-story 6-room dwelling.
Owner—L. H. Legris, 1351 Hampel St., Oakland.
Architect—None.
Day's Work. $4500

DWELLING
(2762) N EL CENTRO 75 E Edgewood, Oakland. One-story 5-rm. dwelling.
Owner—L. H. Legris, 1351 Hampel St., Oakland.
Architect—None.
Day's Work. $4000

DWELLING
(2763) NE COR EL CENTRO and Edgewood, Oakland. One-story 5-room dwelling.
Owner—L. H. Legris, 1351 Hampel St., Oakland.
Architect—None.
Day's Work. $4000

DWELLING
(2764) 3852 RANDOLPH AVE. Oakland. One-story 5-room dwelling.
Owner—L. H. Legris, 1351 Hampel St., Oakland.
Architect—None.
Day's Work. $4500

DWELLING
(2765) S CHERRY 141 E 96TH AVE, Oakland One-story 3-room dwelling.
Owner—Edna Gillett.
Architect—None.
Contractor—C. L. Hewitt, 8821 E-14th St., Oakland. $1800

STORES
(2766) SW COR E THIRTY-EIGHTH and Hopkins Sts., Oakland. One-story 4-room stores.
Owner—A. Holmes, 1190 9th St., Alameda.
Architect—None.
Contractor—E. H. Adams, 2840 23rd Ave., Oakland. $5000

DWELLING
(2767) W EUCLID AVE 120 S ADAMS, Oakland. One-story 6-room dwelling.
Owner—J. H. Moylan, 256 Euclid Ave., Oakland.
Architect—None.
Contractor—Chas. Rogers, 2115 64th Ave., Oakland. $4500

STORES
(2768) W FORTY-FIFTH AVE 200 N E-12th St., Oakland. Two-story brick stores.
Owner—Walnut Grove Creamery Co., 41st and Market St., Oakland.
Architect—None.
Contractor—Geo. H. Lydiksen, 1329 Vermont St., Oakland. $6000

OFFICE
(2769) NW COR FORTY-FIFTH AVE and E 12th St., Oakland. One-story office.
Owner—Walnut Grove Creamery Co., 41st and Market St., Oakland.
Architect—None.
Contractor—Geo. Lydiksen, 1329 Vermont St., San Francisco. $2600

DWELLING
(2770) NW COR FIFTY-FIFTH AVE and Brookdale, Oakland. One-story 5-room dwelling.
Owner—A. Eichlund, 5418 Bond St., Oakland.
Architect—None.
Contractor—John Almquist, 5356 Trask St., Oakland. $3700

DWELLING
(2771) N FOOTHILL BLVD 400 E Ritchie, Oakland. One-story 4-room dwelling.
Owner—R. R. Randall, 625 Oakland Ave., Oakland.
Architect—None.
Day's Work. $3000

DWELLING
(2772) E FOURTEENTH AVE 70 N E 19th St., Oakland. One-story 4-room dwelling.
Owner—Bell Garnet, E 19th St. and 12th Ave., Oakland.
Architect—None.
Contractor—J. E. Stanley, 1748 23rd Ave., Oakland. $3200

DWELLING
(2773) N FIFTY-FIRST ST E Webster, Oakland. One-story 4-room dwelling.
Owner—Mrs. Catherine Corbett, 4159 Randolph, Oakland.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin St., Oakland. $3500

2 DWELLINGS
(2774) W HARRINGTON AVE 110 and 140 S Galindo, Oakland. Two one-story 4-room dwellings.
Owner—R. E. Reeves.
Architect—None.
Contractor—W. C. Taylor, 1901 69th Ave., Oakland. $1800 each

DWELLING
(2775) SE COR HARRINGTON and Nevil, Oakland. One-story 5-room dwelling.
Owner—Wm. Retzel, Federal Bldg., Oakland.
Architect—None.
Contractor—P. J. Tealy, 39 Nace Ave., Piedmont. $3000

DWELLING
(2776) E RANDOLPH 205 N Hampel, Oakland. One-story 5-room dwlg.
Owner—Wilfred Randall, 3998 Whittle Ave., Oakland.
Architect—None.
Contractor — Summer Randall, 4421 Evans Ave., Oakland. $3000

ALTERATIONS
(2777) NO. 463 SIXTH ST., Oakland. Alterations.
Owner—A. Blomberg, 458 6th St., Okd.
Architect—None.
Contractor—K. E. Gray & Son, El Cerrito. $1100

ALTERATIONS
(2778) NO. 577 THIRTY-NINTH ST., Oakland. Alterations and ddditions
Owner—M. J. O'Hara, Premises.
Architect—None.
Contractor—B. H. Rider, 2803 Minna Ave. Oakland. $1000

ALTERATIONS
(2779) NO. 5110 TELEGRAPH AVE., Oakland. Alterations.
Owner—Abe and Simeon Shapiro.
Architect—None.
Contractor—A. M. Hardy, 518 24th Ave., San Francisco. $3600

DWELLING
(2780) S WOODBINE AVE 340 W Fruitvale, Oakland. One-story 5-room dwelling.
Owner—John Wishart, 1074 62nd St., Oakland.
Architect—None.
Day's work. $3000

LATH AND PLASTER
(2781) NO. 220 GRAND AVE., Oakland. All work for lathing and plastering three-story apartments.
Owner—W. L. Mitick, 1512 Broadway, Oakland.
Architect—Leonard H. Thomas.
Contractor—Frank M. Clausen, 996 35th St., Oakland.
Filed June 20, '22. Dated June 15, '22.
Brown coated interior..... ¼
Brown coated exterior..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $4825
Bond, $2413. Sureties, J. E. MacCormac and Geo. A. Schuster. Limit, 30 days. Forfeit, none. Plans and specifications filed.

DWELLING
(2782) S 55 LOT 8 BLK 1, John Kearney Tract, Berkeley. All work for two-story, basement and attic frame dwelling and garage.
Owner—Austin Sperry, 2830 Derby St., Berkeley.
Architect—H. H. Gutterson, 278 Post St., San Francisco.
Contractor — Walter Sorensen, 3221 Ellis St., Berkeley.
Filed June 20, '22. Dated June 19, '22.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $17,144
Bond, none. Limit, 105 days. Forfeit, $3. Plans and specifications filed.

DWELLING
(2783) N SUNNY SLOPE AVE 452 W Grand Ave W 40xN 125, Oakland. All work for one-story dwelling.
Owner—Mary Cardoza, 92 4th St., Okd.
Architect—None.
Contractor—J. P. Silva, 870 46th St., Oakland.
Filed June 20, '22. Dated June 17, '22.
Frame up ..... ¼
Brown coated ..... ¼
Finish completed ..... ¼
Completed and accepted..... ¼
TOTAL COST, $4080
Bond, $2040. Sureties, J. B. Silva and John Paticio. Limit, 70 days. Forfeit, none. Plans and specifications filed.

BUNK HOUSE
(2784) NO. 1260 ALLSTON, Berkeley. One-story 10-room Class C bunk house.
Owner—A. T. and S. F. Railway.
Architect—None.
Contractor—Yard & Hublom, Trust & Savings Bldg., Los Angeles. $4500

STORE BLDG.
(2785) NO. 1757-59 ALCATRAZ AVE., Berkeley. One-story 2-room store building.
Owner—Harriet Turner, Los Gatos.
Architect—None.
Contractor—Harris & Norwood. $3800

DWELLING
(2786) NO. 1716 CAPISTRANO, Berkeley. One-story 5-room dwlg.
Owner—E. J. Kleine.
Architect—None.
Contractor—A. Hendrickson, 755 60th St., Oakland. $3500

DWELLING
(2787) NO. 711 ENSENADA, Berkeley. One-story 5-room dwelling.
Owner—Roger Coit, 306 14th St., Okd.
Architect—None.
Day's work. $3900

FACTORY
(2788) NO. 2323-25 FOURTH ST., Berkeley. One-story factory.
Owner—John Browning, 2508 Vine St., Berkeley.
Architect—None.
Contractor—Clarence M. Starr, 2019 Delaware St., Berkeley. $1000

ALTERATIONS
(2789) NO. 2302 PIEDMONT AVE., Berkeley. Alterations and additions.
Owner—Chas. L. Tilden.
Architect—None.
Contractor—H. McCullough & Son. $1450

DWELLING
(2790) NO. 2329 STUART ST., Berkeley. One-story 5-room dwlg.
Owner—Henry Schutt.
Architect—None.
Contractor—Roy O. Long Co., 2114 Shattuck Ave., Berkeley. $4612.85

DWELLING
(2791) NO. 2722-2724 VIRGINIA ST., Berkeley. Two one-story 3-room dwellings.
Owner—S. H. Greeley, 2730 Virginia St., Berkeley.
Architect—Hutchinson & Mills, Albany Bldg., Oakland.
Contractor—J. Lehman, 959 Apgar St., Oakland. $2300 each

DWELLING
(2792) NO. 1142 COLLEGE AVE., Alameda. One-story 5-room dwelling.
Owner—L. Biggero, 2234 Encinal Ave., Alameda.
Architect—None.
Contractor—S. W. King, 2054 Alameda Ave., Alameda. $2850

DWELLING
(2793) NO. 2209 ENCINAL AVE., Alameda. One-story 5-room dwlg.
Owner—C. Peterson, 1111 Oak St., Ala.
Architect—None.
Contractor — H. Reisinger, 2164 Alameda Ave., Alameda. $2500

DWELLING
(2794) NO. 1534 FIFTH ST., Alameda. One-story 6-room dwelling.
Owner—J. Groden, 2515 Encinal Ave., Alameda.
Architect—None.
Day's work. $3000

DWELLING
(2795) NO. 1542 MOZART ST., Alameda One-story 5-room dwelling.
Owner—K. C. Smith, 1540 Mozart St., Alameda.
Architect—None.
Contractor—H. Williford, 3265 Central Ave., Alameda. $4882

ALTERATIONS
(2796) NO. 1428 PARK S., Alameda. Alterations.
Owner—Menziers
Architect—Welch & Carey, Merchants National Bank Bldg., S. F.
Contractor — J. W. Smith, 180 Jessie St., San Francisco. $1500

DWELLING
(2797) WST. CHARLES 600 S San Jose Ave., Alameda. Two-story 6-room dwelling
Owner—C. Bartlett, Berkeley.
Architect—None.
Contractor—J. M. Bartlett 357 12th St., Oakland $7000

DWELLINGS
(2798) NO. 2264, 2268 and 2270 SAN Antonio Ave., Alameda. Three one story 5-room dwellings.
Owner—A. Anderson, 2109 Pacific Ave., Alameda.
Architect—None.
Contractor—J. H. Rockingham, 2306 San Jose Ave., Alameda $3000 each

SHOP
(2799) WEBSTER near Pacific Ave., Alameda. One-story shop.
Owner—F. Ferrero, 308 Brush St., Alameda.
Architect—None
Contractor—J. Perona, 570 7th St., Oakland. $1500

FRATERNITY HOUSE
(2800) NO. 2731 BANCROFT WAY Berkeley. Two and one-half-story 19-room fraternity house.
Owner—Sigma Phi Building Association, Premises.
Architect—R. G. Officer, Berkeley Bank Bldg., Berkeley.
Contractor — Dinwiddie Constr. Co., Crocker Bldg., San Francisco. $15,475

DWELLING
(2801) S ARIMO 300 W Walla Vista, Oakland. Two-story 7-room dwlg.
Owner—C. L. Sullivan, 3787 Park Blvd., Oakland.
Architect—None.
Contractor—G. A. Bissell, 269 12th St., Oakland $8000

GARAGE, ETC.
(2802) SE E-TWELFTH ST. AND Fifth Ave., Oakland. One-story tile garage and store building.
Owner—A. J. Barton, Bacon Bldg., Oakland.
Architect—None
Contractor—Marshall & Burks, Bacon Bldg., Oakland. $15,000

DWELLING
(2803) S FORTY-NINTH 50 E Clark, Oakland. One-story 4-room dwlg.
Owner—R. H. Dirk.
Architect—None.
Contractor—J. A. McCord, 1517 Market St., Oakland $2600

CHEMISTRY BLDG.
(2804) MILLS COLLEGE, Oakland One-story chemistry building.
Owner—Mills College
Architect—None.
Contractor—Scauler & McDonald, 308 12th St., Oakland. $15,000

DWELLING
(2805) NO. 2807 BEST AVE., Oakland. One-story 5-room dwelling
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None
Day's work. $3750

DWELLINGS
(2806) NO. 2806 AND 2824 KINGSLAND Ave., Oakland. Two one-story 5-room dwellings.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland
Architect—None
Day's work $3750 each

DWELLING
(2807) NW KINGSLAND & BROOKdale, Oakland. One-story 5-room dwelling.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLING
(2808) NO. 2915 MADERA AVE., Oakland. One-story 6-room dwelling.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLING
(2809) NO. 2769 MAXWELL AVE., Oakland. One-story 5-room dwlg.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLING
(2810) NO. 3000 RAWSON ST., Oakland One-story 5-room dwelling.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLING
(2811) NO. 2937 RAWSON ST., Oakland. One-story 6-room dwelling.
Owner—Harry W. Isaacs, 2800 Modesto Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLING
(2812) LOTS 34 AND 35, BLK 2, Havenscourt, Oakland. One-story 5-room dwelling and garage.
Owner—Mrs. N. Olnes, San Francisco.
Architect—None.
Contractor—Harry C. Knight, 388 12th St., Oakland.
Filed June 20, 1922. Dated Apr. 24, '22.
Roof and rafters on $750
Balance deed of trust.
TOTAL COST, $3900
Bond, none. Sureties, none. Forfeit, none. Limit, 75 days. Plans and specifications filed.

DWELLING
(2813) 103RD AVE 110 FROM E 14TH St., Oakland. Two-story 8-room dwelling.
Owner—Mrs. B. Kiley, 1148 7th St., Oakland.
Architect—None.
Contractor—Raymond Ibanes and J. W. Lyons, 1449 103rd Ave., Oakland.
Filed June 21, 1922. Dated June 18, 1922.
Foundation in .....$ 300
First floor up 500
Second floor up 1000
Plastered 1000
Completed and accepted 1700
TOTAL COST, $4500
Bond, none. Sureties, none. Forfeit, none. Limit, 120 days. Plans and specifications not filed.

MOVING CONTRACT
(2814) U. C. GROUNDS, BERKELEY. Moving infirmary annex.
Owner—Regents of University of California, Berkeley.
Architect—John Galen Howard, First National Bank Bldg., San Francisco.
Contractor—E. K. Pearson and A. B. Johnson (Pearson & Johnson), 2031 Bryant St., San Francisco.
Filed June 21, 1922. Dated June 14, 1922.
Tenth day each month. 75%
Usual 35 days 25%
TOTAL COST, $580
Bond, $580. Sureties, Globe Indemnity Co. Forfeit, $50 day. Limit, none. Plans and specifications filed.

DWELLING.
(2815) LOT 11 BLK B, FOURTH AVE Terrace, Oakland. One-story 6-rm. dwelling, except painting.
Owner—J. A. Gilfillan, Oakland.
Architect—None.
Contractor—W. J. Baker, 2255 Ransome Ave., Oakland.
Filed June 21, 1922. Dated June 20, 1922.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $3865
Bond, none. Sureties, none. Forfeit, none. Limit, 80 days from June 26, 1922. Plans and specifications filed.

ADDITION
(2816) NO. 2722 BANCROFT, Berkeley. Addition.
Owner—Prof. E. J. Wilkson, Premises.
Architect—None.
Contractor—Matt L. Koski, 35 Ramona Ave., Oakland. $1200

DWELLING
(2817) SW CHANNING AND JEFferson, Berkeley. One-story five-room dwelling.
Owner—Stanton & Pauline, 2906 Grove St., Berkeley.
Architect—None.
Day's work. $2000

ADDITION
(2818) NO. 111 EL CAMINO REAL, Berkeley. Addition.
Owner—H. H. Sanborn, Premises.
Architect—None.
Contractor—Matt L. Koski, 35 Ramona Ave., Oakland. $3200

DWELLING
(2819) NO. 1423 NEILSON, Berkeley One-story 5-room dwelling.
Owner—Z. Meiners, 1509 Kains Ave. Berkeley.
Architect—None.
Contractor—F. Tomalello, 2314½ 8th St., Berkeley. $1300

FLATS
(2820) E WESLEY AVE, END LAKE Park, Oakland. Two-story 12-room flats and garage.
Owner—Chris Wininger, 1534 Franklin St., Oakland.
Architect—None.
Contractor—California Builders, 1534 Franklin St., Oakland. $11,500

APARTMENTS
(2821) NW COR COTTAGE AVE and York St., Oakland. Three-story frame apartments.
Owner—E. C. Graff, 355 12th St., Oakland.
Architect—None.
Day's Work. $48,000

DWELLING
(2822) N D ST, 300 E 92ND AVE, Oakland One-story 5-room dwelling.
Owner—G. Lipi, 1058 94th Ave., Oakland.
Architect—None.
Contractor—E. Prunetti, 1604 94th Ave., Oakland. $2600

3 DWELLINGS
(2823) W LAUREL AVE 100, 120, 150 N School St. Three one-story 5-room dwellings.
Owner—Wm. H. Irving, 2926 Montclair, Oakland.
Architect—None.
Contractor—O. R. Johnson, 3131 Talbot Ave., Oakland. $3500 each

DWELLING
(2824) W SIXTY-FIRST AVE 200 S Trevor, Oakland. One-story 5-rm. dwelling.
Owner—Jacob Bochm 3201 61st Ave., Oakland.
Architect—None.
Day's Work. $3500

ALTERATIONS
(2825) 2915 SCHOOL ST, OAKLAND. Alterations and additions.
Owner—C. H. Clair.
Architect—None.
Contractor—C. J. Rheberg, 1356 E. 28th St., Oakland. $2500

DWELLING
(2826) N TOWNSEND 140 N Wellington, Oakland. One-story 5-room dwelling.
Owner—Ben F. Kopf, 1015 82nd Ave., Oakland.
Architect—None.
Day's Work. $5000

DWELLING
(2827) W TOWNSEND 100 N Wellington, Oakland. One-story 4-room dwelling.
Owner—Mrs. Annie Archbald.
Architect—None.
Contractor—Ben F. Kopf, 1015 82nd Ave., Oakland. $4000

DWELLING
(2828) SW COR 23RD AVE AND E 30th St., Oakland. One-story 5-rm. dwelling.
Owner—M. F. Aldres, 9302 Birch St., Oakland.
Architect—None.
Contractor—A. T. Anderson, 9302 Birch St., Oakland. $3000

DWELLING
(2829) E VICENTE ST Bet. 56th St. and Key Route right of way, Oakland. One-story 4-room dwelling.
Owner—J. F. Chambers.
Architect—None.
Day's Work. $1750

ALTERATIONS
(2830) 905 WICKSON AVE, Oakland. Alterations.
Owner—H. Kligermain.
Architect—None.
Day's Work. $2000

STORE
(2831) NE COR TWELFTH and Webster, Oakland. Two-story brick and concrete store and lofts.
Owner—C. H. King Estate Co., 308 12th St., Oakland.
Architect—Wm. Knowles.
Contractor, Wm. Knowles, Central Bank Bldg., Oakland. $60,000

BANK BLDG.
(2832) E BROADWAY 50 N 12TH ST, Oakland. Twelve-story brick office and bank building.
Owner—The Oakland Bank.
Architect—Reed & Corlett, Oakland Bank Bldg., Oakland.
Contractor—P. J. Walker Co., Sharon Bldg., San Francisco. $750,000

DWELLING
(2833) LOT 21 BLK A, LAKESHORE Terrace, Oakland. Two-story frame dwelling and garage.
Owner—Walter C. Simpson, 601 Vernon St., Oakland.
Architect—Wm. E. Milwain, Albany Bldg., Oakland.
Contractor — Harry Schwalm, 1525 Chestnut St., Berkeley.
Filed June 22, 1922. Dated June 21, 1922.
Frame up, chimneys built..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $7240
Bond, none. Sureties, none. Forfeit, none. Limit 90 days. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted

June 22, 1922—LOTS 1 TO 28 incln in Block bounded by 1st, 2nd, Washington and Broadway, Oakland. P G & E Co to Cahill-Vensano Co.....June 13, 1922

June 22, 1922—LOT 17 BLK C, Bryant Tract, Berkeley. N C Grider to Aug Hendrickson.....June 21, 1922

June 21, 1922—Nellie Odermatt to Clarke & Allan.....May 2, 1922

June 20, 1922—LOT 48, BLK F, MAP Northbrae Terrace, Berkeley. C. E. Carlson to whom it may concern.....June 17, 1922

June 20, 1922—LOT 22, BLK 15, Northbrae ,Berkeley. T. F. Eastman to L. G. Geary..June 20, 1922

June 20, 1922—SW PALA AVE 60 NW Park Way, NW 50 SW 127.70, Piedmont. Fred S. and Edith S. Collier to Aaron T. Spence.....May 27, 1922

June 0, 1922—LOT 29, BLK H, Broadway Terrace, Oakland. W. F. Underhill by Jennie White Underhill to A. C. Sharp .....May 4, 1922

June 21, 1922—E COLLEGE AVE 200 N Claremont Ave NW 50 NE 259.16 SW 82 SW 207.32, Oakland. Adrianus Van Hoerden to R. B. Maurice ..... June 21, 1922

June 21, 1922—U C GROUNDS Berkeley. Regents of U. C. to Pearson & Johnson.....June 12, 1922

June 19, 1922—NO. 2231 E-TWENTY-first St., Oakland. Christine D Mohrdieck to Thos F L Furlong.....June 13, 1922

June 19, 1922—LOT 11 BLK 17, Lakeshore Highlands, Oakland. Geo Wm Leisz to William J Baker.June 14, '22

June 19, 1922—LOT 7 BLK 3, Map Key Route Terrace No. 2, Albany. Olive A Frisbie to E F Henderson .....June 10, 1922

June 17, 1922—4004 RHODA AVE, Oakland. A. J. Schulz to whom it may concern .....June 17, 1922

June 17, 1922—SE COR HILLSIDE Court and Hillside Ave S 55E 86.06 N 52.08 W 90, Berkeley. L. J. Barker to Roy O. Long Co..June 16, 1922

June 16, 1922—S FORTY-SECOND & E Opal S 35.67 E 111 N 65.66 SW 114.97, Oakland. Millie R Davis to A P Anderson.....June 14, 1922

June 16, 1922—E VERMONT 82 N Prince, Oakland. Karl S Fredrickson to whom it may concern .....June 1, 1922

June 16, 1922—E MIRA VISTA AVE 120 N Bonham Way, Oakland. Myron Benfer to whom it may concern.....June 16, 1922

June 16, 1922—NW CLINTON AVE & Union W 100 N 50, Alameda. Franklin Wolf to Pollard & Son .....June 12, 1922

June 16, 1922—SW ONE HUNDRED fourth between Royal Ann and Biggareau Sts., being Lots 369 and 370 Stonehurst Tract Oak. Geo Leo Hughson to whom it may concern .....June 13, 1922

June 15, 1922—PTN LOT 75 MAP Pleasant Valley Court, Oakland. George Ernst to whom it may concern.....June 15, 1922

June 15, 1922—N 37-6 LOT 17 BLK 8 Map Jose Domingo Tract, Berkeley. P E Marquis to whom it may concern.....June 12, 1922

June 15, 1922—NW 20 LOT 10 BLK B and SW 10 Lot 11 Blk B Map Linda Rosa Tract Corrected, Oakland. Leon.E Gracier to whom it may concern.....June 13, 1922

LIENS FILED

ALAMEDA COUNTY

Recorded Amount

June 22, 1922—LOTS 1, 2, 3 SEC. 31 Lots 6, 7, 8 and 9 Sec 32 N 820; Lots 10, 11, 12, 13, 14, 15 and 16 Sec 32 and Lots 9, 10, 11, 12, 13, 14 and all Lot 15 Sec 33 Tp 2 S Range 3 West M. D. B & M. W W Hunt vs Annie H Darbee, A J Gooch, Eva Mabel Lee, Edna A Sherman, Lillie May Klien, E W and Estelle King $781

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount

June 15, 1922—JEAN 250 W Grand Ave being No 725, Oakland. Sam Pedgrift to J C Radford, et al $315.03

June 16, 1922—W GROVE 45 S Delaware S 45 W 100, Berkeley. G Leone vs Horatio F Barkley....$311

Notice of Non-Responsibility

ALAMEDA COUNTY

June 21, 1922—PT. OPP and at right angles to Engr. Sta. 1291 plus 10 E 90 S 27.2 W 90 N 27.2, Oakland. Southern Pacific Co as to improvements on property .....

BUILDING CONTRACTS

FRESNO COUNTY

$5,000 and Over Reported

STORE BUILDING

LOTS 8, 9 AND 10 BLK 2, Parlier, Fresno. One-story brick store building.

Owner—Lee Jang.

Architect—None.

Contractor—Fisher & McNulty, Mattei Bldg., Fresno.

Filed June 15, '22. Dated June 12, '22

Foundation finished	$1500
Ready for ceiling joists	1500
Sheathing on roof	1500
Completed	1900
Usual 35 days	1500
TOTAL COST,	$7,900

Bond, none Limit, 60 working days. Forfeit, none. Plans and specifications filed.

BUNGALOW

NO. 1215 WASHINGTON ST., being Lot 37 Blk 4, Riverdale Addition, Fresno. All work for one-story frame bungalow.

Owner—Arthur J. Schorling, 2505 Washington St., Fresno.

Architect—None.

Contractor—Chas. E. Baker.

Filer June 16, '22. Dated June 15, '22.

Frame up	$625
House enclosed	625
Plastered	625
Completed	625
TOTAL COST,	$2500

Bond, $1250 Sureties, Bertha A. Clawson and Mary Blood. Limit, 45 working days. Forfeit, none. Plans and specifications filed.

BUNGALOW

LOTS 13 AND 14, La Salle Tct, Fresno All work for one-story frame bungalow and garage.

Owner—Chas. Schuwendt, 1046 Blackstone St., Fresno.

Architect—None.

Contractor—Chas. E. Baker.

Filed June 20, '22. Dated June 15, '22.

Frame up and rough plumbing in	$768.75
Enclosed	768.75
Plastered	768.75
Completed	768.75
TOTAL COST,	$3075.00

Bond, $1500. Sureties, Bertha A. Clausen and Mary J. Blood. Limit, 45 working days. Forfeit, none Plans and specifications filed.

FACTORY

LOTS 1 TO 11 AND 17 TO 32 BLK E, Selma. All work for Class C brick and wood factory building.

Owner—Fresno Tire & Rubber Co, Mattei Bldg., Fresno.

Architect—None

Contractor—W. L. Miller, 149 Abby St., Fresno.

Filed June 21, '22. Dated June —, '22.

Monthly payments of	75%
Usual 35 days	25%
TOTAL COST,	$126,000

Bond none Limit, 100 working days. Forfeit, none Plans and specifications filed.

DWELLING, $7500; No. 2504 Washington Ave., Fresno; owner, F. H. Smith, 346 N Van Ness Ave., Fresno; contractor, Carl Gustafson, 2336 Harvey St., Fresno.

WAREHOUSE, $14,000; No. 324 O St., Fresno; owner, United Warehouse Co., Hand Mono Sts., Fresno; day's work.

APARTMENT HOUSE, $5000; No. 921 F St., Fresno; owner, Mary F. Wilson, 1456 Kern St., Fresno; contractor, Stewart Cotrell, Fresno.

STORE, $7000; 1259-63 F St., Fresno; owner, Arthur Spiropulos, 1257 F St., Fresno; contractor, L. K. Cone, Fresno.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted

June 20, 1922—LOT 15, BLK 34, Alta Vista Tract, Fresno. Harry Sparber to whom it may concern.....June 19, 1922

June 20, 1922—LOTS 11 AND 12, BLK 27, Blackstone Villa, Fresno. M. J. Madsen to whom it may concern .....April 1, 1922

June 20, 1922—LOTS 9 AND 10, BLK 1, Maywood, Fresno. S. J. Felles to whom it may concern.....June 19, 1922

June 20, 1922—LOTS 7 AND 8, BLK 7, Torrance Terrace, Fresno. F. H. McGinnis to whom it may concern .....June 19, 1922

June 21, 1922—LOT 18, J C Forkner Fig Gardens Sub. No. 1, Fresno. Frank J Stepka to whom it may concern.....June 19, 1922

June 19, 1922—LOTS 1 AND 2 BLK 5, Belridge Park, Fresno. H J Diller to whom it may concern.....June 16, 1922

June 19, 1922—PUMPING STATION in Sec. 36, 20-14, Fresno. Associated Oil Co to whom it may concern.....June 15, 1922

June 19, 1922—LOT 10 N ½ LOT 11 Blk 4, Martin Home, Fresno. O A Tedrow to whom it may concern .....June 16, 1922

June 19, 1922—LOTS 23 AND 24 BLK 8, High Addition, Fresno. E B Milnor to Ross L Williams.....June 10, 1922

June 15, 1922—LOT 5 BLK 63, Lot 3 Blk 65, Lot 4 Blk 58, Sierra Vista Addition No. 3 and Lots 29 and 30 Blk 16, Sierra Vista Addition, Fresno. Fresno Bldg Cptn to whom it may concern.....June 14, 1922

June 15, 1922—LOTS 24 AND 25 BLK 3, High Addition, Fresno. Jacob A Schlotthauer to whom it may concern.....June 13, 1922

June 15, 1922—S ½ LOTS 1, 2 and 3 Blk 6, Torrance Terrace, Fresno. H E and E D Guynn to whom it may concern.....June 14, 1922

June 15, 1922—LOT 5 BLK 1, Cedar Park, Fresno. John D Morgan to whom it may concern..June 13, 1922

June 16, 1922—LOT E BLK 12, Alta Vista Tract, Fresno. O D Atkins to whom it may concern.June 12, '22

June 16, 1922—LOTS 9 AND 10 Sierra North Park Addition, Fresno. Fresno Mtg Co to whom it may concern .....June 16, 1922

June 16, 1922—W 41½ LOTS 1 and 2 Blk 1, Fenway Tract, Fresno. Mary J Elzea to whom it may concern.....June 14, 1922

June 17, 1922—W 75 FT LOT 11 BLK 9, Alta Vista Tct, Fresno. Maurice.. S Macy to whom it may concern.. .....June 15, 1922

LIENS FILED

FRESNO COUNTY

Recorded Amount

June 20 1922—BLK 25, PAIGE TR., Fresno M. Kellner & Son Lumber Co. vs. L. A. Erickson and W. B. Van Fleet $408.00

June 21, 1922—LOT 6, Dwight Park, Fresno. Routt Lumber Co vs C L Harrigan $93

June 17, 1922—LOTS 34 AND 35 BLK 7, Van Ness Heights, Fresno. L Rosenberg vs J Anderson.....$301

June 17, 1922—LOT 5 BLK 14, Hazelwood, Fresno. L Rosenberg vs M K Telloian $553

BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 and Over Reported

FLATS, two-story (2) flats, 5-rooms each, $9200; No. 1705 P St., Sacramento; owner, Mrs. M. A. Nagle, 1021½ L St., Sacramento; contractor, G. W. McKoy, 1925 10th St., Sacramento.

DWELLING, one-story 6-room and garage, $4250; No. 1408 41st St., Sacramento; owner, Coleman & Birdsall, 1530½ T St., Sacramento.

DWELLING, one-story four-room and garage, $3600; No. 700 San Miguel St., Sacramento; owner, C. S. Kotermen, 2104 28th St., Sacramento; contractor, P. R. Opdezke, Route 1, Box 60-A, Sacramento.

GYMNASIUM, $4618.80; Galt, Calif.; owner, Galt Joint Union School District, Galt, Calif.; contractor, Guy L. Johnson, Galt, Calif. Filed June 19, 1922. Dated, ——.

STORE, two-story and 5-room flat and garage, $3500; No. 1430 S St., Sacramento; owner, P. M. Jardin, 1824 6th St., Sacramento; day's work.

THREE DWELLINGS, one-story 5-room and garage, 1 @ $3350; 2 @ $3600 each; No. 2327 F St.; 2406 O St. and 1509 21th St., Sacramento owner, Anna E. Williams, 4440 San Benito St., Sacramento; day's work

REMODEL into flats, $7500; No. 1008 P St., Sacramento; owner, W. H. Caswell, 1011 P St., Sacramento; contractor, C. Vanina, 2022 M St., Sacramento.

DWELLING, one-story 5-room, $2500; No. 1100 Dolores Way, Sacramento; owner, H. W. Hill, 1714 25th St., Sacramento; day's work

DWELLING, one-story 5-room and garage $3700; No. 1732 39th St., Sacramento; owner, Anna Moore, 3010 P St., Sacramento; contractor, Chas. Peterson, Motor Route B, Box 221, Sacramento.

DWELLING, one-story 5-room and garage, $4000; No. 1832 45th St., Sacramento; owner, Ester Small, 1871 45th St., Sacramento; contractor, A. Small 1871 45th St., Sacramento

DWELLING, one-story 5-room and garage, $4500; No. 1425 37th St., Sacramento, owner, Ed Betchart, 3637 Folsom St., Sacramento, contractor F. A. Holdener, 504 Bryte Bldg., Sacramento.

DWELLING, one-story 5-room and garage, $3000, No. 1033 47th St., Sacramento, owner, C. E. Wright, 817 J St., Sacramento, day's work.

DWELLING, one-story 6 room and garage, $3510, No. 1124 37th St., Sacramento, owner, A. Pollenberger 1407 P St., Sacramento, contractor Chas. Carson Box 129-B, Sacramento.

SERVICE STATION, steel and glass, $2500; 2763 Sacramento Blvd., Sacramento; owner, Latourrette-Fical Co., Sacramento; contractor, Associated Oil Co., New Montgomery and Mission St., San Francisco.

2 DWELLINGS, 1½-story 6-room, $6000 and 1-story 5-room, $4800, with garages; 952 41st St. and 952 52nd Sts., Sacramento; owner, Geo. F. Watrous; contractor, W. P. Clippa, 2560 27th St., Sacramento.

2-STO. BLDG., $6000; 415 Q St., Sacramento; owner, S. Nomura, 415 Q St., Sacramento; contractor, H. Yoshnoka, 406 L St., Sacramento.

8 DWELLINGS: 3 1-story 5-rm., garages, 2 $3000 ea, 1 $3300; 3 1-story 4-rm., garages, $2800 ea.; and 2 1-story 6-rm., $6800 and $600 respectively; 1416, 1432, 1450, 1470, 1510 and 1524 33rd St., 2709 and 268 Montgomery Way, Sacramento; owner, J. C. Carly Co., 823 J St., Sacramento. Day's work.

HOSPITAL, 1-story, 20-room, $25,000; 3014 M St., Sacramento; owner, A. Flitcroft, 1525 L St., Sacramento; contractor, Herman Schlemner, 13th and J St., Sacramento.

2 DWELLINGS, 1-story 4-rms., $2500 each; 3975 5th Ave and 39 H St., Sacramento; owner, Miss C. E. Dawson, 2430 Stockton Blvd., Sacramento; contractor, F. P. Lopez, 3200 1st Ave., Sacramento.

BANK BLDG., $55,000; SW 6th and K Sts., Sacramento; owner, Bank of Italy, Sacramento; contractor, K. E. Parker, Sacramento. Filed June 21, 1922. Dated June 13, 1922.

APARTMENT, 2-sto., 8 apts. and garage, $25,000; 2922 I St., Sacramento; owner, John Azenedo, 2905 O St., Sacramento. Day's work.

REPAIRS, $19,500; 801 D St., Sacramento; owner, Consumers' Ice & Cold Storage Co., 801 D St., Sacramento. Day's work.

COMPLETION NOTICES

SACRAMENTO COUNTY.

Recorded Accepted

June 21, 1922—LOT 6, PRICE VILLA, Sacramento. Clarence H. McClure to whom it may concern.....June 19, 1922

Notice of Non-Responsibility

SACRAMENTO COUNTY

June 21, 1922—LOTS 40, 41 AND 42, Lockport, on E bank Sacramento River. Geo. W. Locke & Son as to improvements thereon.....

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

$2,500 and Over Reported

RESIDENCES, two, $2500 each; and gurage, $200; N East St., Stockton; owner, J. C. Warner, 24 W Walnut St., Stockton; day's work.

RESIDENCE and garage, $4750, W Willow St., Stockton; owner, T. E. Williamson, 1229 N Pilgrim St., Stockton; day's work

RESIDENCE, $1890; N Grant Ave., Stockton; owner, Curtis Alley, 231 E-Cleveland St., Stockton, day's work.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted

June 15, 1922 SIDE TRACK AT Acampo San Joaquin County Southern Pacific Co to Ernest and Will Ware (Ware Bros.).....June 8, 1922

June 16, 1922—LOT "B" BLK 15, Survey 2299, Stockton. Avis G McCloud to T E Williamson.....June 15, 1922

BUILDING CONTRACTS

SAN MATEO COUNTY

BUNGALOW

LOT B, BLK 5, BURLINGAME, CAL. Furnish and construct, except materials and labor, plumbing, heating and electric light fixtures, one-story frame bungalow.

Owner—J. H. Macpherson.

Architect—None.

Contractor—F. H. Boring, 514 Santa Inez St., San Mateo.

Filed June 12, 1922. Dated June 5, 1922.

Frame up and sheathed	$1348.75
Browned in and out	1348.75
Completed and accepted	1348.75
Usual 35 days	1348.75
TOTAL COST,	$5395.00

Bond, none. Sureties, none. Forfeit, none. Limit, on or before Sept. 1, 1922. Plans and specifications filed.

BUNGALOW

LOT ON STATE ST, SAN MATEO. Furnish and construct one-story frame bungalow.

Owner—R. C. and Augusta B. Catto.

Plans by R. Caldwell, San Mateo.

Contractor—Unit Builders, 315 2nd St., San Mateo.

Filed June 12, 1922. Dated June 7, 1922.

Framed	1250
Plastered	1250
Completed and accepted	1250
Usual 35 days	1250
TOTAL COST,	$5000

Bond, none. Sureties, none. Forfeit, none. Limit, 90 working days. Plans and specifications filed.

RESIDENCE

PTN OF LOT 144, SAN MATEO PARK, San Mateo, Cal. Furnish and construct one-story frame residence and garage.

Owner—John D. Bromfield, 1211 Baywater, Burlingame, Cal.

Architect—C. A. Jackson of the S. A. Born Building Co.

Contractor—James Keegan, 21 N. E, San Mateo.

Filed June 15, 1922. Dated May 22, 1922.

Frame up	25%
Plastered	25%
Completed	25%
Usual 35 days	25%
TOTAL COST,	$7800

Bond, $3900. Sureties, Republic Casualty Co. Forfeit, $5 day. Limit, 100 days. Plans and specifications filed.

DWELLING

LOT 5 BLK 25, EASTON ADD No. 2, Burlingame, Cal. Furnish and construct one-story and basement frame dwelling.

Owner—Christopher W. Halliday.

Architect—None.

Contractor—Harry A. Hertenstein.

Filed June 10, 1922. Dated June 9, 1922.

Frame up	$1149
Brown coated	1149
Completed and accepted	1149
Usual 35 days	1149
TOTAL COST,	$4596

Bond, none. Sureties, none. Forfeit, $1 day Limit, 75 working days. Plans and specifications filed.

RESIDENCE

OCCIDENTAL AVE., San Mateo. All work for one-story frame residence and garage

Owner—John J. Reid by K. M. Larson Attorney in fact

Architect—E L Norberg, Balboa Bldg., San Francisco.

Contractor—Alfred C. Dahl, 2208 Pine St., San Francisco.

Filed June 20, '22. Dated June 17, '22.
Sub-floor 1st story.....$ 983
Roof laid 2000
Rough plastered 2000
Completed 2000
Usual 35 days..... 2328
TOTAL COST, $9311
Bond, none. Limit, 100 working days. Forfeit, none. Plans and specifications filed.

RESIDENCE
LOTS 51, 52, 55 AND 56 Folhemus Tct., near Atherton. All work except plumbing for one and one-half-story frame residence.
Owner—Suzanne Perry, San Francisco.
Architect—E. L. Norberg, Balboa Bldg., San Francisco.
Contractor—L. Dioguardi, Dumbarton Ave., Redwood City.
Filed June 20, '22. Dated June 17, '22.
As work progresses.....
TOTAL COST, $27,799
Bond, $13,900. Sureties, Z. T. Thorring and W. P. Gray. Limit, 100 working days. Forfeit, $10. Plans and specifications filed.

PLUMBING ON ABOVE.
Contractor—P. E. Brand, 78 Broadway, Redwood City.
Filed June 20, '22. Dated June 17, '22.
Payments same as above.....
TOTAL COST, $2726
Bond, $1362. Sureties, John Lyong and Guss Waller. Limit, 100 working days. Forfeit, none. Plans and specifications filed.

BUNGALOW
PORTION OF LOT 7, BLK O, San Mateo Heights, San Mateo, Cal. Furnish and construct one-story Bungalow.
Owner—L. T. Darraugh, 614 Woodside, San Mateo.
Architect—None.
Contractor—D. F. Valentine, 19 Bancroft, Burlingame, Cal.
Filed June 21, 1922. Dated June 20, 1922.
Rustic and roof on..... $609.50
Plastered 609.50
Completed and accepted..... 609.50
Usual 35 days 609.50
TOTAL COST, $2438
Bond, none. Sureties, none. Forfeit, none. Limit, 60 working days. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded **Accepted**

June 21, 1922—LOT H, BLK 3, Burlingame Terrace, Burlingame. D. Houle to whom it may concern.. .....June 19, 1922
June 17, 1922—LOT 20 BLK 24, Easton Addition No. 2, Burlingame H J Hughes to whom it may concern.....June 15, 1922
June 17, 1922—LOT 14 BLK 2, Easton Addition No. 1, Burlingame. Minnie Mayer to W R Thompson.June 15, '22
June 17, 1922—LOT 18 BLK 45 Town of Burlingame. Aug. Belfrage to Frank Gould and Burlingame Bldg Co.....June 14, 1922
June 17, 1922—LOT 12 BLK 45, Town of Burlingame, Sub of Burlingame. Aug Belfrage to Frank Gould and Burlingame Building Co.June 14, 1922
June 19, 1922—LOT 9 BLK No. 7, Burlingame Terrace No. 2, Burlingame Charles Hammer and Hugo Hultberg to whom it may concern... .....June 15, 1922
June 19, 1922—SW ½ LOTS 19 AND 20 Blk 47, Easton Addition No. 4, Burlingame. Harry C Brown to whom it may concern..June 15, 1922
June 19, 1922—LOT 21 BLK 55, Easton Addition No. 5, Burlingame. A L Roberts to L E White..... .....June 5, 1922
June 19, 1922—LOT 41, Burlingame Heights, Burlingame. Arthur W Sabey to John W Ruthirdale..... .....May 31, 1922
June 16, 1922—LOT 1 BLK 4 Dingee Park, Redwood City, Cal. Mary J. and William Hahn to W. O. Nicolaides .....June 16, 1922
June 15, 1922—LOT 218, SAN MATEO Park, San Mateo, Cal. John W. Sward to C. H. Bessett Bldg. Co. .....June 10, 1922
June 15, 1922—LOT 4 BLK 8 SUBD. A, Wellesley Park, Redwood City, Cal. Annie F. and Arhtur Mighall to whom it may concern.... ..... June 10, 1922
June 15, 1922—LOT 31 BLK 42 Easton Add. No. 3 to Burlingame. W. F. Cordes to W. O. Nicolaides. .....June 9, 1922

Notice of Non Responsibility

SAN MATEO COUNTY

June 15, 1922—S 35 FT LOT 9 BLK 100, South San Francisco. South San Francisco Land & Improvement Co. with regard to improvements on same.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

$1000 and Over Reported

FLAT BUILDING
E SIXTH near San Fernando St., San Jose. All work for a one-story frame double flat building.
Owner—Mary F. Roth, 79 Devine St., San Jose.
Architect—Chas. S. McKenzie, Bank of San Jose, San Jose.
Contractor—H. C. Jorgensen, San Jose.
Filed June 14, '22. Dated June 6, '22
Foundation completed and lumber on ground $1365
Frame is erect 1365
First coat of plaster on..... 1365
Completed and accepted..... 1365
Usual 35 days 1831
TOTAL COST, $7,291
Bond, $3700. Sureties, A. L. Hubbard and Theo. F. Heple. Limit, 90 working days after June 6, 1922. Forfeit, none. Plans and specifications filed.

LIBRARY BLDG.
PALO ALTO. All work for tile roof for library building.
Owner—Library Board City of Palo Alto.
Architect — Birge M. Clark, Stanford University, Palo Alto.
Contractor — United Materials Co., Sharon Bldg., San Francisco.
Filed June 15, '22. Dated June 12, '22.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $2325
Bond, $2325. Surety, Fidelity & Deposit Co. of Maryland. Limit, 25 working days from and after notification. Forfeit, none. Plans and specifications filed.

PIERCE-BOSQUIT
Abstract & Title Co.
Capital Stock $100,000
Sacramento, Placerville, Nevada City, Reno
SACRAMENTO OFFICE
ROSS E. PIERCE, Manager
905 SIXTH STREET

RESIDENCE
SAN JOSE. All work for one-story frame residence and garage.
Owner—Theodore A. Hansen, San Jose
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose
Contractor—Geo. Lindblom, 471 W-San Carlos St., San Jose.
Filed June 16, '22 Dated June 15, '22.
Frame up $1079
1st coat plaster on..... 1079
Completed and accepted..... 1079
Usual 35 days..... 1079
TOTAL COST, $4316
Bond, $2158. Sureties, James H. Pierce and H. J. Pascoe. Limit, 60 working days from June 16, 1922. Forfeit, none. Plans and specifications filed

ADDITION
SAN JOSE. All work for six-room frame house addition to a store and storeroom.
Owner—J. V. Gagliardi, 632 W-Williams St., San Jose.
Architect—None.
Contractor—W. Porria, 72 S-Buena Vista St., San Jose.
Filed June 17, '22 Dated June 15, '22.
Upon completion $510
TOTAL COST, $510
Bond, limit, forfeit, none. Plans and specifications filed.

SCHOOL
LOS GATOS. All work for two-story frame school building.
Owner—Los Gatos School District, Los Gatos.
Architect—Wyckoff & White, Auzerais Bank Bldg., San Jose.
Contractor—E. Nommensen, 19 S-5th St., San Jose.
Filed June 17, 22. Dated June 11, '22.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $79,857
Bond, $59,895. Sureties, A. L. Hubbard and Neil Carnuchael. Limit, 165 working days from June 14, 1922. Forfeit, $20. Plans and specifications filed.

DWELLING
SAN JOSE. All work for five-room and bath frame dwelling.
Owner—Harold Wehner, San Jose.
Architect—None.
Contractor—Wm. Regel, 428 Atlanta St., San Jose.
Filed June 17, '22. Dated June 16, '22.
Frame up $933.48
1st coat plaster on inside..... 933.48
Building completed 933.48
Usual 35 days..... 933.48
TOTAL COST, $3733.92
Bond, limit, forfeit, none. Plans and specifications filed.

SIDEWALKS, ETC.
ALAMEDA PARK, San Jose. All work for sidewalks, gutters, curbs, sewers and manholes.
Owner—A. W. Maderis, 29 S-Eleventh St., San Jose.
Architect—None.
Contractor — M. E. Kilcourse, 528 S-Tenth St., San Jose.
Filed June 17, '22. Dated June 17, '22.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $14,950
Bond, $7500. Sureties, J. W. McClay & W. A. Dunlap. Limit, 60 working days from and after June 5, 1922. Forfeit, $25 a day. Plans and specifications filed.

RESIDENCE
SAN JOSE. All work for one-story frame residence.
Owner—Meriel J. Wetmore, 324 N-4th St., San Jose.
Architect—None.
Contractor—Howard G. Waltz, 41 N-Willard Ave., San Jose.
Filed June 20, '22. Dated June 19, '22.
Rafters in place.....$871.81
1st coat plaster on..... $71.81
Building completed..... $85.84
Usual 35 days..... $85.84
TOTAL COST, $3515.30

Bond, $1757.65. Sureties, Jos. H McElroy and F. P. Heringer. Limit, 60 working days from June 20, 1922 Forfeit, none. Plans and specifications filed.

COTTAGE, 4-room, $2300; Vine and San Carlos Sts, San Jose, owner, Mrs J. Vinezia; contractor, Globe Mfg Co., 31 Pleasant Ave, San Jose.

WAREHOUSE, $1500; Fourth and Margaret Sts., San Jose, owner, O A. Harlan & Co., Premises; day's work.

COTTAGE, 5-room, $3500; Hobson St., near Poplar St., San Jose; owner, L. Miller, 465 N-11th St., San Jose; contractor, E. McCombs.

COTTAGE, 5-room, $3400; E Santa Clara and 24th Sts., San Jose; owner, Verne Bryan, 1200 E-Santa Clara St., San Jose; contractor, T. J. Lannin, 312 S-Ninth St., San Jose.

FRAME COTTAGE

SAN JOSE. All work for one-story frame cottage.

Owner—J. Peterson and Mrs. J. Peterson, San Jose.

Architect—None.

Contractor—A. J. Nielsen, 156 S-20th St., San Jose.

Filed June 22, '22. Dated June 20, '22

All studding in place	$450
Roof, rustic, electric wiring and lathing in place	450
Upon completion	450
Usual 35 days	450
TOTAL COST.	$1800

Bond, none. Limit, 40 working days from June 20, 1922. Forfeit, none. Plans and specifications filed.

APARTMENTS,(10) two-story, $16,000; San Carlos near Seventh St., San Jose; owner, T. P. Mitchell, 1105 7th St., San Jose; architect, C. C. Lewis, 329 S-5th St., San Jose; contractor, Lewis & Nelson, 329 S-5th St., San Jose.

ALTER residence into 12 apartments, $30,800; No. 360 N-Third St., San Jose; owner, J. C. Bondi, 135 E-St. James St., San Jose; architect, Wesley Hastings, 524 E-St. James St., San Jose; contractor, Hastings Bros., Room 204 Bank of San Jose Bldg., San Jose.

ALTER residence into 2 flats, $1850; No. 177 S-Eighth St., San Jose owner, Mrs. E Trowbridge, 329 N-Third St., San Jose; contractor, Percy Sherburne, 375 N-15th St., San Jose.

COTTAGE, three-room, $1800; Sherman and Goodyear Sts., San Jose; owner, J. Peterson, 93 Ford St., San Jose, contractor, A. J. Nielson, 156 S-20th St., San Jose.

COTTAGE, six-room, $3600; Margaret and Twelfth Sts., San Jose, owner, Pete Ghiorse, 700 S-12th St., San Jose; contractor, Felix Savio, 14 N-River St., San Jose.

COTTAGE, five-room $3850, 15th St near Santa Clara, San Jose, owner, Steve Barone, 58 N-San Pedro Ave. San Jose; contractor, Hector De Smet, 333 N-13th St., San Jose.

ALTER front, etc., $1000, No. 7 West Santa Clara St., San Jose; owner, Frank Martin 917 S-10th St., San Jose; contractor, H. A. Pridgeo Pine and Lincoln Ave., San Jose.

COTTAGE, 4-room, $2740, Locust and Colfax Sts., San Jose, owner, C. Mace; contractor, Jerome Gatelli 1052 S-First St., San Jose.

COTTAGE, 5-room, $1900, Hollywood St near First St., San Jose; owner, John Johnson, 120 S-4th St., San San Jose; day's work.

ALTERATIONS, $1000; No. 221 E San Carlos St., San Jose, owner, E. M. Cunningham, 471 E-William St., San Jose, day's work.

COTTAGE, 6-room, $5600; Clayton St. near San Pedro, San Jose, owner, J. Ditto, 416 N-Third St., San Jose; architect, Chas. McKenzie, 213 S-12th St., San Jose; contractor, V. Maggio, 750 S-5th St., San Jose.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded	Accepted
June 20, 1922—PALO ALTO. Clear B and Ora Smith to whom it may concern	June 7, 1922
June 17, 1922—PALO ALTO. R P Ober to whom it may concern	June 16, 1922
June 19, 1922—SAN JOSE. G W Boyd to whom it may concern	June 16, '22
June 16, 1922—SAN JOSE, Cal. A. M. Whiteside to whom it may concern	June 15, 1922
June 16, 1922—PALO ALTO, Cal. Dean O. Nichols and Edgar H. Tucker	June 14, 1922
June 15, 1922—PALO ALTO, Cal. Birge M. Clark to The Minto Co.	June 13, 1922
June 14, 1922—SOUTH PALO ALTO, Cal. J L Drysdale to L L Drysdale	June 8, 1922
June 14, 1922—SAN JOSE, Cal. Harry F Dowell to whom it may concern	June 13, 1922

BUILDING CONTRACTS

CONTRA COSTA COUNTY

DWELLINGS, (3), one-story frame, $10,500; W Eleventh St., bet. Bissell and Chanslor, Richmond; owner, H. Charchain, 718 Fulton St., San Francisco; contractor, N. E. Anderson, 2030 Roosevelt St., Richmond.

FLATS, (2) two-story frame, $7500; N Barrett St. bet. 9th and 10th Sts., Richmond; owner, M. H. Michailian, 123 Nicholl Ave., Richmond Ave., Richmond; contractor, P. M. Sanfor, Box 1061, Richmond, Calif.

OFFICIAL PROPOSALS

(Continued from Page 15)

NOTICE TO CONTRACTORS

(Franklin Union School)

Notice is hereby given that sealed bids will be received by the Board of Trustees of the Franklin Union School District, Sacramento County, California, at the office of the Principal of the Franklin Union School, Franklin, California, **until 8 o'clock P. M., June 30, 1922,** for the erection of a school building to be built in Franklin, California, according to plans and specifications prepared for the same by George C. Sellon & Company, the authorized architects, when they will be opened and read.

Bids will be received for the work complete with alternate propositions.

Plans and specifications can be seen during office hours at the office of the school at Franklin, California, and may be seen at or obtained from the office of the architects, 203 Mitau Bldg., Sacramento, California.

A cash deposit of $25 will be required from all prospective bidders on all copies of plans and specifications loaned out, as a guarantee of the return of the same.

All bids shall be presented on blank forms which may be procured at the office of the architects.

Each bid must be accompanied by a certified check on some responsible California bank for a sum not less than ten (10) per centum of the amount of the bid, made payable to the Clerk of the Board of Trustees, as a guarantee of good faith that the party to whom the contract may be awarded will, within ten days after the award is made, enter into the necessary agreement and furnish the necessary bonds for the faithful performance of said work, and in case the bidder to whom the contract is awarded, fails or refuses to enter into said agreement, or to furnish said bonds, said check will be forfeited to the said school district in the manner provided by law.

Each bid must be enclosed in a sealed envelope and addressed to L. B. Johnston, Clerk of the Board of School Trustees, Franklin, California, and endorsed "Proposal for building school."

The Board of Trustees expressly reserve the right to reject any or all bids.

By order of the Board of Trustees of Franklin Union School District, Franklin, California.

L. B. JOHNSTON, Clerk.

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BIDS WANTED FOR FRESNO SCHOOL BUNGALOWS

NOTICE TO CONTRACTORS

At a regular meeting of the Board of Education, held on June 8, 1922, Secretary was authorized to advertise for and accept bids on the following:

Five bungalows to be used as school rooms.

Plans and specifications on file with the Secretary of the Board, 2525 Tuolumne Street.

Prices to be submitted on bungalows singly or in lots of five.

Bidder must specify length of time required to complete the job. These buildings all to be completed before September 8, 1922.

The Board reserves the right to reject any and all bids. A 10% deposit of the amount of the bids must accompany each bid. All bids must be in the hands of the Secretary of the Board by **Thursday, July 13, 1922, at 5 P. M.**

By order of the Board of Education.

L. L. SMITH, Secretary.

NOTICE TO CONTRACTORS

(Manual Training Building)

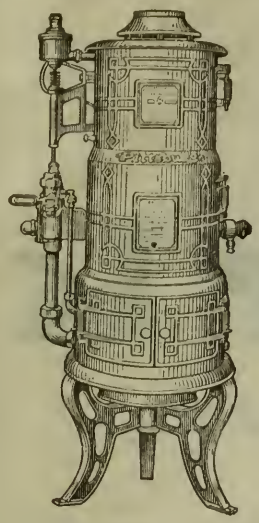
Notice is hereby given that sealed bids will be received by the secretary of the board of trustees of the Sequoia Union High School District, Redwood City, San Mateo County, California, **until Saturday, the 6th day of July, 1922, up to and until the hour of 2 o'clock P. M., of said day,** when the said bids will be opened at the office of said clerk in the office of the Sequoia Union High School, Redwood City, California, for the remodeling and completion of the Manual Training Department of the Sequoia Union High School on the property lately acquired by the said district, located in Redwood City, California, said work to be performed must be completed on or before August 19 1922.

Plans and specifications for said work are on file at the office of the principal of the Sequoia Union High School and at the office of the architects, Werner & Coffey, 312 Humboldt Bank Building, San Francisco, California.

Bids must be made on proposals obtained at the office of the architects and be signed by the bidder, accompanied by a certified check for at least ten per cent (10%) of the amount of the bid or proposal, certified to by some responsible bank or banker, and made payable to D. E. O'Keefe, secretary of the Board, to be retained by the said School District as agreed and liquidated damages should the party or parties to whom the contract should be awarded fail to enter into the contract after award, or to give bonds required for the faithful performance of the contract, or any bond required by law.

The Board reserves the right to reject any or all bids or any or all items of such bids.

L. P. BEHRENS, President,
D. E. O'KEEFE, Secretary,
Board of Trustees, Sequoia Union High School District.



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